

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\
 Data File : VX009259.D
 Acq On : 01 May 2019 17:14
 Operator : JC/SP
 Sample : K2241-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Manual Integrations
 APPROVED

MMDadoda
 5/2/2019 10:53:36 AM

Quant Time: May 02 07:03:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	34913	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	204227	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	177603	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	85567	29.54	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.47%
60) 4-Bromofluorobenzene	11.13	95	88165	29.21	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.37%
63) Toluene-d8	8.71	98	257830	30.62	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	4509	2.431 ug/l	96
3) Chloromethane	1.32	50	6408	2.570 ug/l	95
4) Vinyl Chloride	1.40	62	6027	2.423 ug/l	93
5) Bromomethane	1.64	94	4152	2.633 ug/l	100
6) Chloroethane	1.72	64	3890	2.384 ug/l	98
7) Trichlorofluoromethane	1.93	101	7929	2.581 ug/l	96
8) Diethyl Ether	2.18	74	3574	2.506 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	5167	2.717 ug/l	99
10) 1,1-Dichloroethene	2.37	96	4898	2.565 ug/l	96
11) Methyl Iodide	2.51	142	3582	1.726 ug/l	93
12) Methyl Acetate	2.77	43	10179	2.830 ug/l	99
13) Acrolein	2.29	56	7577	15.359 ug/l	96
14) Acrylonitrile	3.14	53	19344	12.392 ug/l	98
15) Acetone	2.44	58	5621	12.542 ug/l	97
16) Carbon Disulfide	2.57	76	12204	2.362 ug/l	97
17) Allyl chloride	2.73	41	11267	2.458 ug/l	98
18) Methylene Chloride	2.85	84	6045	2.619 ug/l	97
19) trans-1,2-Dichloroethene	3.16	96	5289	2.598 ug/l	92
20) Diisopropyl ether	3.85	45	23769	2.633 ug/l	92
21) 1,1-Dichloroethane	3.69	63	11199	2.563 ug/l	100
22) cis-1,2-Dichloroethene	4.59	96	6419	2.617 ug/l	99
23) tert-Butyl Alcohol	3.04	59	7966	12.069 ug/l	# 100
24) Methyl tert-Butyl Ether	3.19	73	19328	2.586 ug/l	100
25) Chloroform	5.21	83	10555	2.647 ug/l	93
26) Cyclohexane	5.58	56	10556	2.592 ug/l	# 97
29) 1,1-Dichloropropene	5.79	75	7759	2.589 ug/l	84
30) 2-Butanone	4.67	43	28822	12.281 ug/l	98
31) 2,2-Dichloropropane	4.59	77	8685	2.629 ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	8409m	2.588 ug/l	
33) Carbon Tetrachloride	5.78	117	6728	2.475 ug/l	97
34) Benzene	6.14	78	23536	2.548 ug/l	96
35) Methacrylonitrile	5.04	41	5761	2.346 ug/l	92
36) 1,2-Dichloroethane	6.18	62	8442	2.518 ug/l	# 89
37) Trichloroethene	7.21	130	5895	2.651 ug/l	80
38) Methylcyclohexane	7.46	83	9732	2.629 ug/l	98
39) 1,2-Dichloropropane	7.51	63	6993	2.658 ug/l	97
40) Dibromomethane	7.66	93	3974	2.661 ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\
 Data File : VX009259.D
 Acq On : 01 May 2019 17:14
 Operator : JC/SP
 Sample : K2241-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Manual Integrations
 APPROVED

MMDadoda
 5/2/2019 10:53:36 AM

Quant Time: May 02 07:03:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	7286	2.389	ug/l	93
42) Vinyl Acetate	3.81	43	92310	11.918	ug/l	100
43) Ethyl Acetate	4.83	43	9529	2.247	ug/l	96
44) Isopropyl Acetate	6.44	43	16754	2.439	ug/l	97
45) 1,4-Dioxane	7.74	88	3542	52.514	ug/l #	91
46) Methyl methacrylate	7.77	41	7696	2.244	ug/l	94
47) n-amyl Acetate	10.90	43	14140	2.285	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	7971	2.240	ug/l	91
49) cis-1,3-Dichloropropene	8.43	75	9253	2.368	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	5708	2.495	ug/l	94
51) Ethyl methacrylate	9.18	69	9582	2.267	ug/l	97
52) 1,3-Dichloropropane	9.37	76	10455	2.575	ug/l	97
53) Dibromochloromethane	9.58	129	5409	2.374	ug/l	94
54) 1,2-Dibromoethane	9.67	107	5766	2.457	ug/l	99
55) 2-Chloroethyl vinyl ether	8.30	63	27265	12.103	ug/l	99
56) Bromoform	10.85	173	3811	2.179	ug/l #	96
58) 4-Methyl-2-Pentanone	8.64	43	54865	12.563	ug/l	99
59) 2-Hexanone	9.49	43	42329	12.358	ug/l	99
61) Tetrachloroethene	9.34	164	5402	2.759	ug/l	97
62) Toluene	8.78	91	24486	2.580	ug/l	98
64) Chlorobenzene	10.13	112	14598	2.556	ug/l	94
65) 1,1,1,2-Tetrachloroethane	10.22	131	5260	2.515	ug/l	97
66) Ethyl Benzene	10.25	91	27380	2.590	ug/l	97
67) m/p-Xylenes	10.35	106	19930	5.163	ug/l	99
68) o-Xylene	10.69	106	9861	2.598	ug/l	100
69) Styrene	10.71	104	16090	2.415	ug/l	97
70) Isopropylbenzene	11.02	105	27221	2.667	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	9515	2.545	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	8221m	2.552	ug/l	
73) Bromobenzene	11.26	156	6444	2.555	ug/l	99
74) n-propylbenzene	11.36	91	29854	2.524	ug/l	100
75) 2-Chlorotoluene	11.42	91	18767	2.645	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	21940	2.537	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	2713	2.088	ug/l	98
78) 4-Chlorotoluene	11.51	91	20566	2.552	ug/l	100
79) tert-butylbenzene	11.77	119	21442	2.565	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	21645	2.498	ug/l	99
81) sec-Butylbenzene	11.94	105	25419	2.560	ug/l	99
82) p-Isopropyltoluene	12.06	119	22356	2.475	ug/l	97
83) 1,3-Dichlorobenzene	12.02	146	11780	2.615	ug/l	95
84) 1,4-Dichlorobenzene	12.10	146	11192	2.494	ug/l	99
85) n-Butylbenzene	12.38	91	19501	2.359	ug/l	98
86) Hexachloroethane	12.59	117	3382	2.200	ug/l	93
87) 1,2-Dichlorobenzene	12.39	146	11440	2.523	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	2005	2.308	ug/l	97
89) 1,2,4-Trichlorobenzene	13.65	180	7647	2.366	ug/l	99
90) Hexachlorobutadiene	13.78	225	4038	2.502	ug/l	96
91) Naphthalene	13.83	128	24115	2.279	ug/l	98
92) 1,2,3-Trichlorobenzene	14.02	180	8095	2.464	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\
Data File : VX009259.D
Acq On : 01 May 2019 17:14
Operator : JC/SP
Sample : K2241-07
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

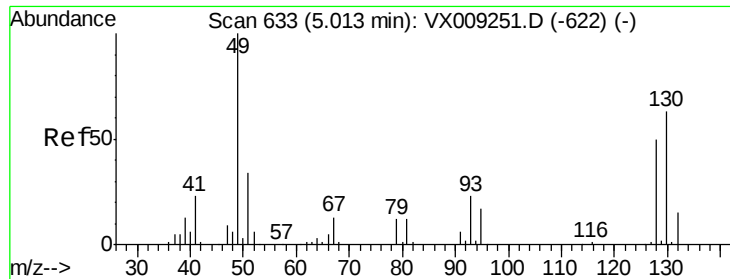
Manual Integrations
APPROVED

MMDadoda
5/2/2019 10:53:36 AM

Quant Time: May 02 07:03:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 02 06:46:57 2019
Response via : Initial Calibration

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

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

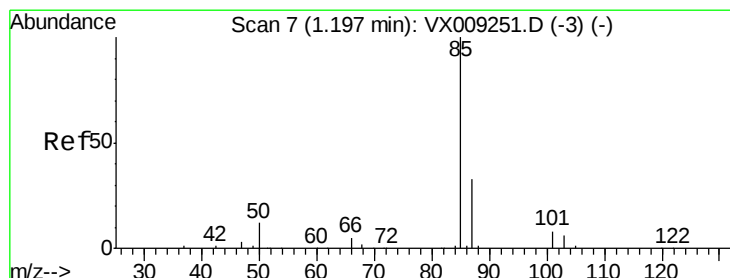
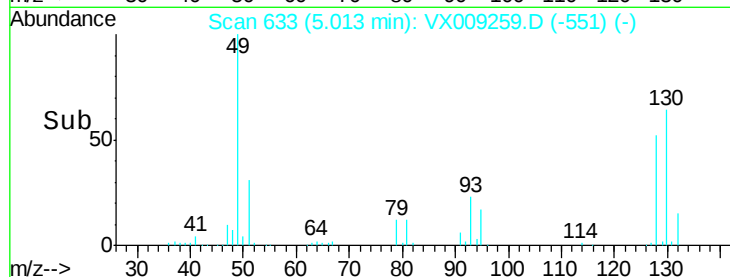
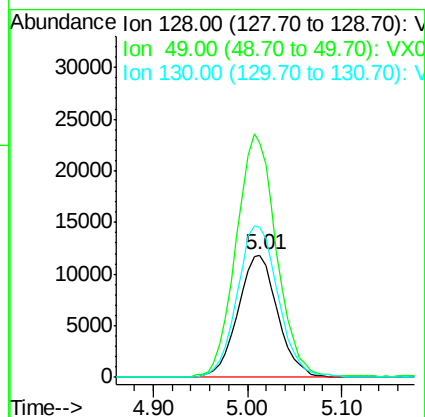
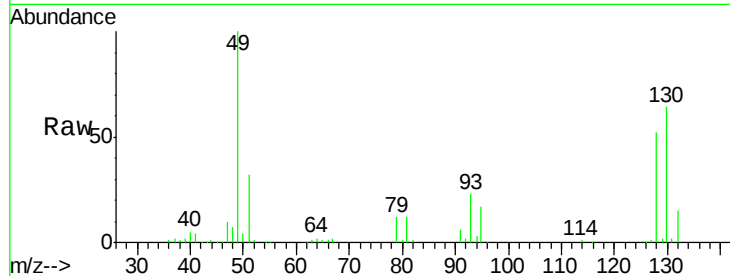
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
128	100		
49	201.6	0.0	515.0
130	127.1	0.0	323.3

Manual Integrations
APPROVED

MMDadoda
5/2/2019 10:53:36 AM



#2

Dichlorodifluoromethane

Concen: 2.431 ug/l

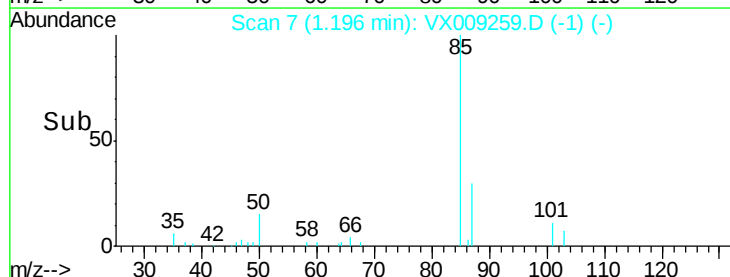
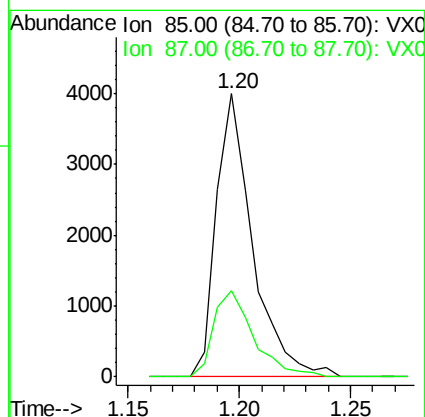
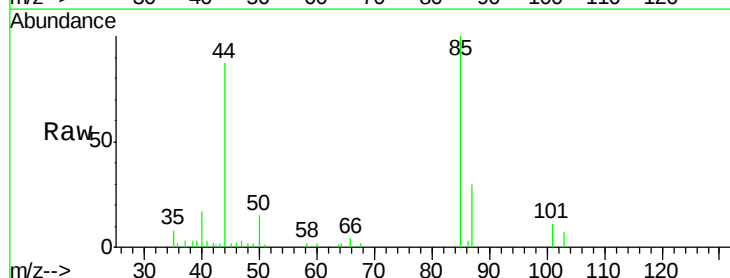
RT: 1.20 min Scan# 7

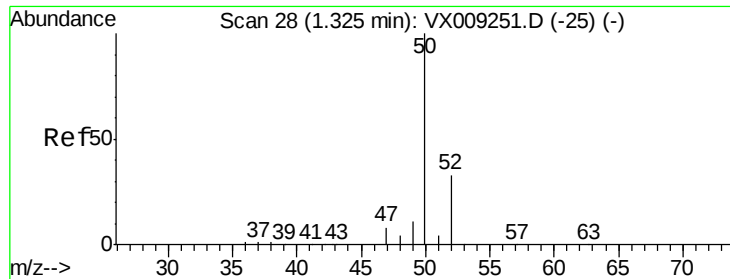
Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.3	16.3	48.9





#3

Chloromethane

Concen: 2.570 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 50 Resp: 6408

Ion Ratio Lower Upper

50 100

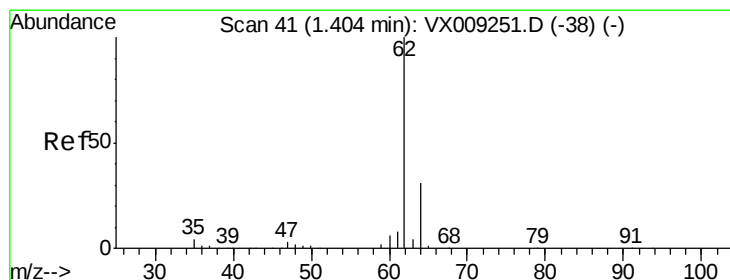
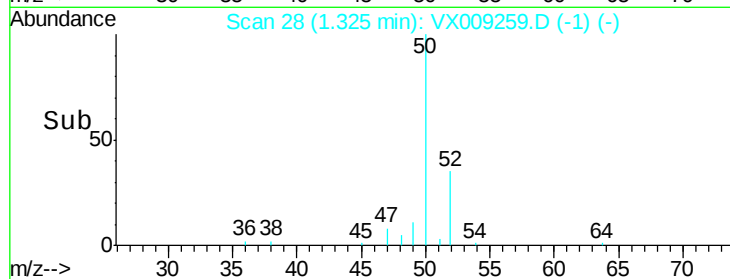
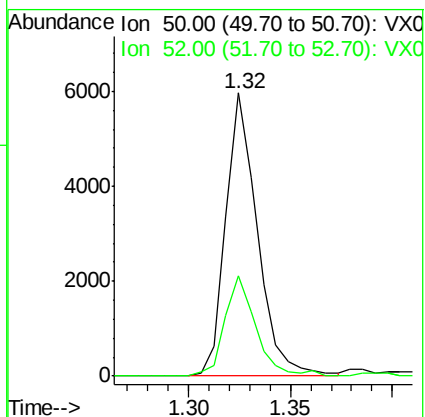
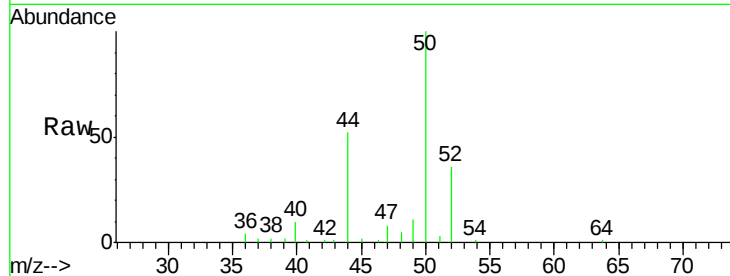
52 35.6 26.3 39.5

Manual Integrations

APPROVED

MMDadoda

5/2/2019 10:53:36 AM



#4

Vinyl Chloride

Concen: 2.423 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX009259.D

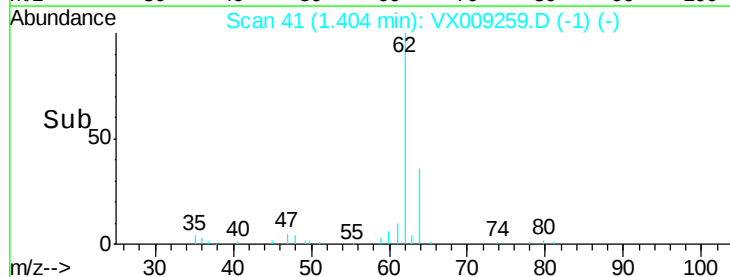
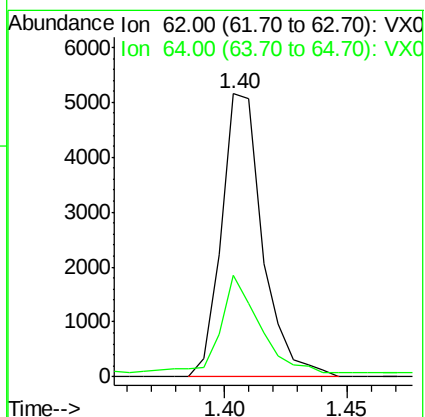
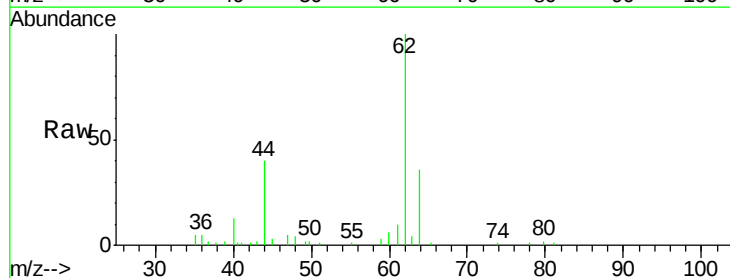
Acq: 01 May 2019 17:14

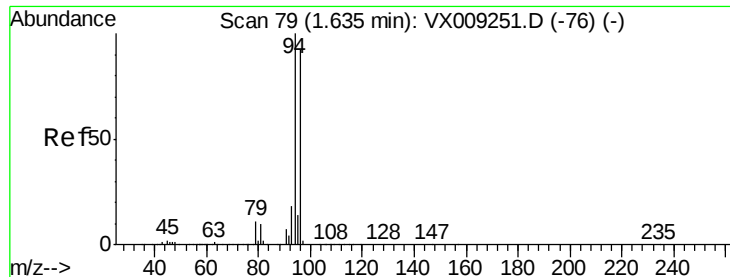
Tgt Ion: 62 Resp: 6027

Ion Ratio Lower Upper

62 100

64 34.6 24.6 36.8





#5

Bromomethane

Concen: 2.633 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 94 Resp: 4152

Ion Ratio Lower Upper

94 100

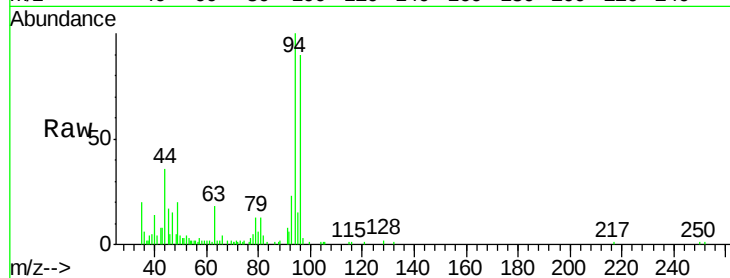
96 91.5 73.5 110.3

Manual Integrations

APPROVED

MMDadoda

5/2/2019 10:53:36 AM



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.64

5000

4000

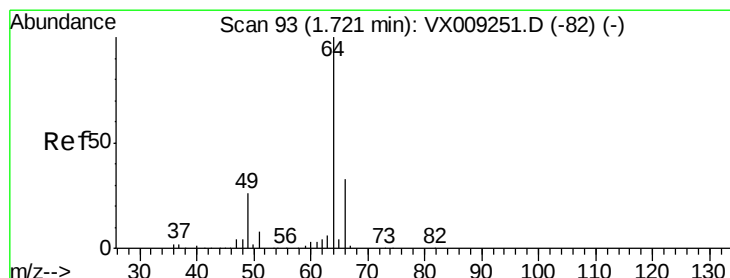
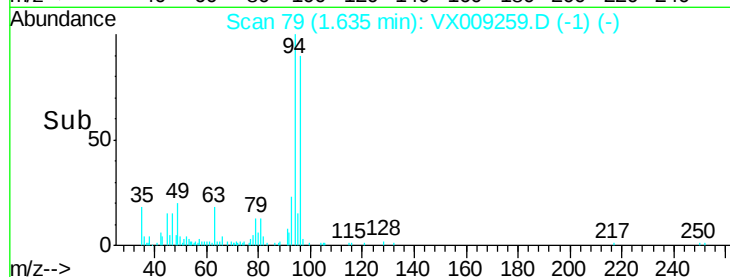
3000

2000

1000

0

Time-->



#6

Chloroethane

Concen: 2.384 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009259.D

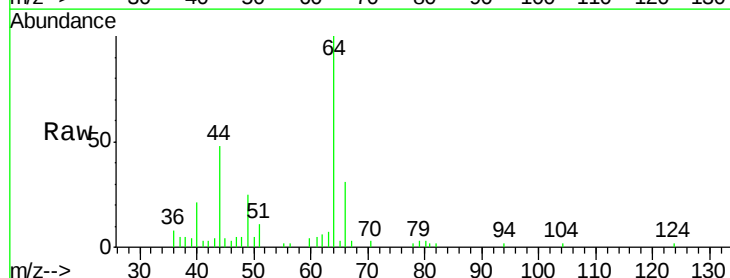
Acq: 01 May 2019 17:14

Tgt Ion: 64 Resp: 3890

Ion Ratio Lower Upper

64 100

66 31.3 25.9 38.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1.72

3000

2500

2000

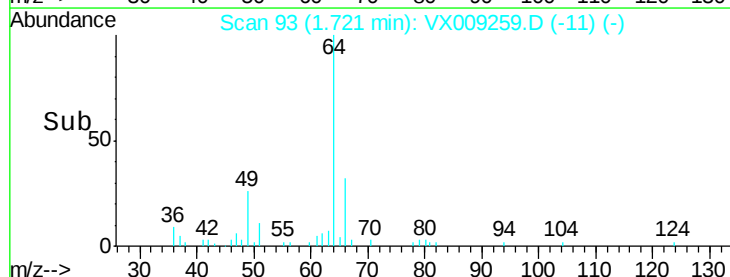
1500

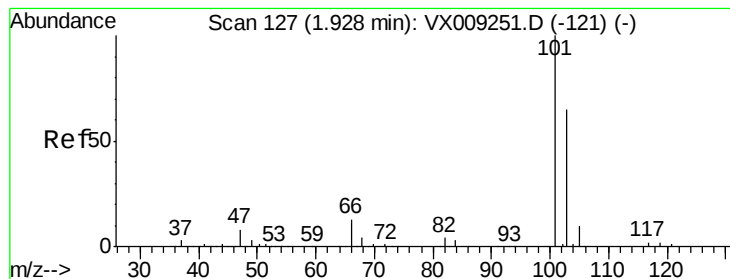
1000

500

0

Time-->





#7

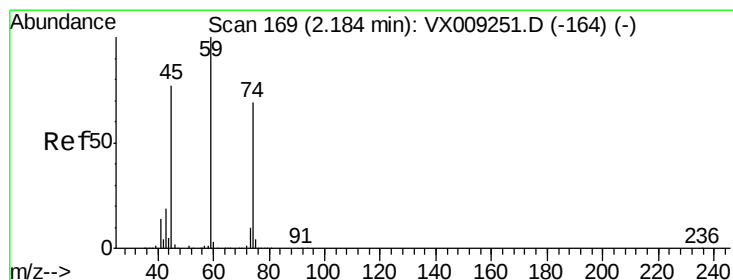
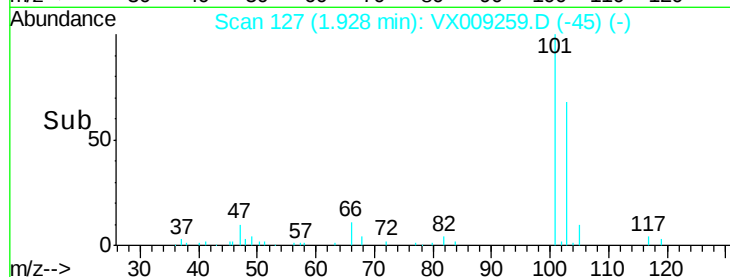
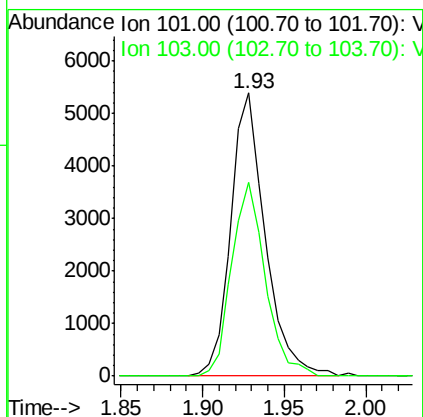
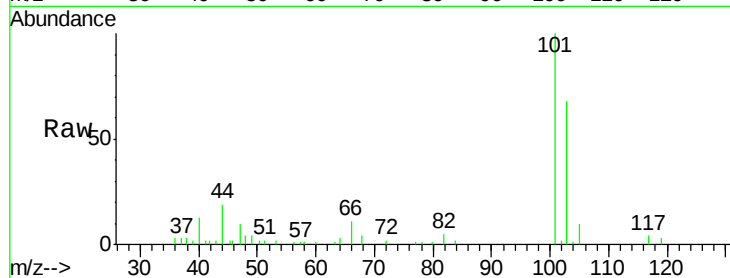
Trichlorofluoromethane
Concen: 2.581 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.2	51.9	77.9

Manual Integrations
APPROVED

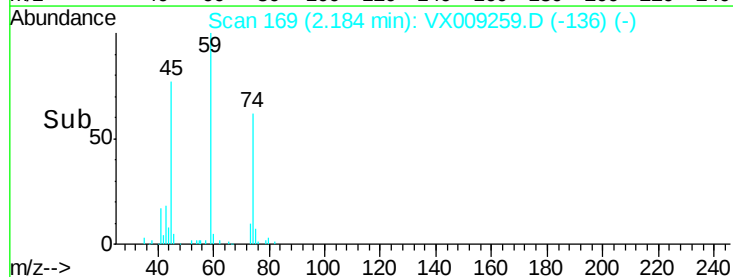
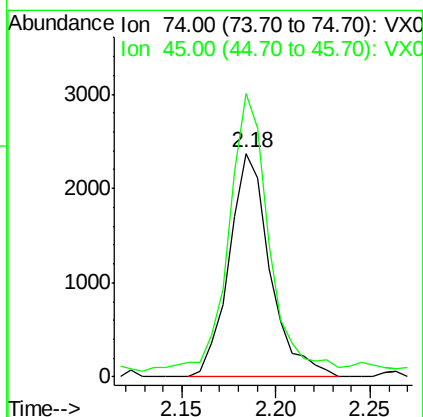
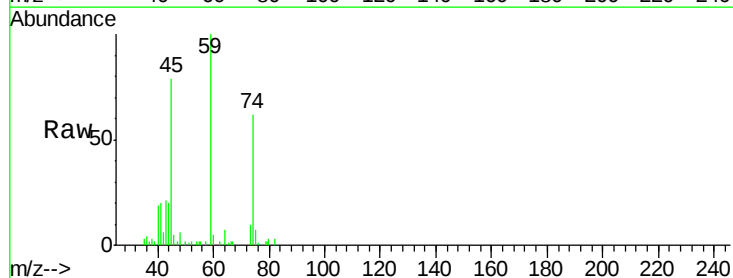
MMDadoda
5/2/2019 10:53:36 AM

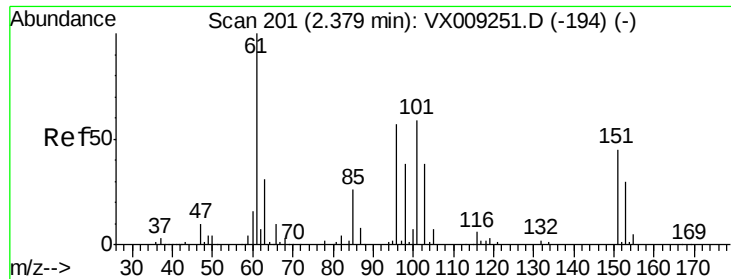


#8

Diethyl Ether
Concen: 2.506 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.3	21.5	193.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.717 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

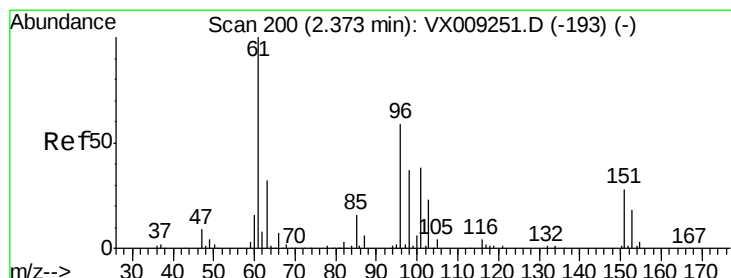
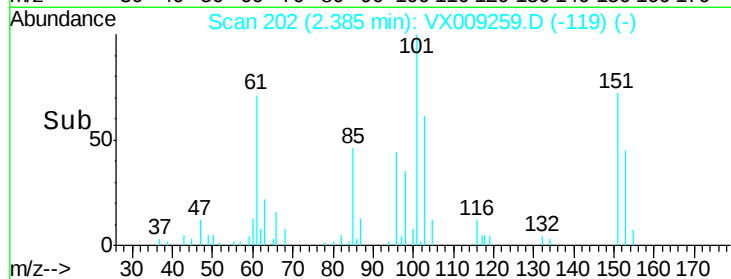
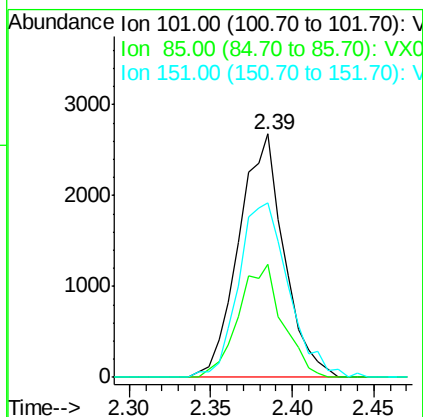
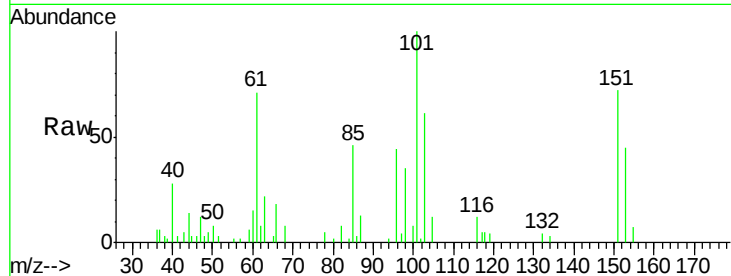
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	101	Resp:	5167
Ion Ratio	Lower	Upper	
101	100		
85	45.2	0.0	87.4
151	79.0	0.0	157.0

Manual Integrations
APPROVED

MMDadoda
5/2/2019 10:53:36 AM



#10

1,1-Dichloroethene

Concen: 2.565 ug/l

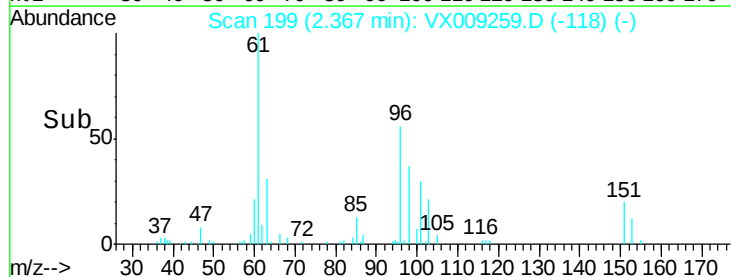
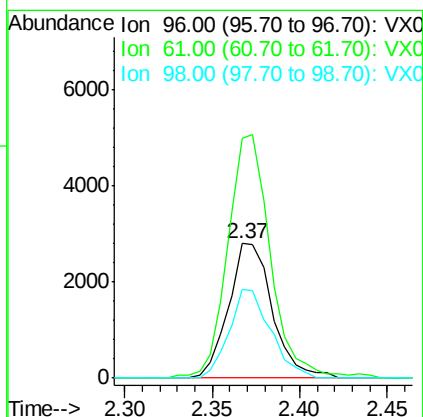
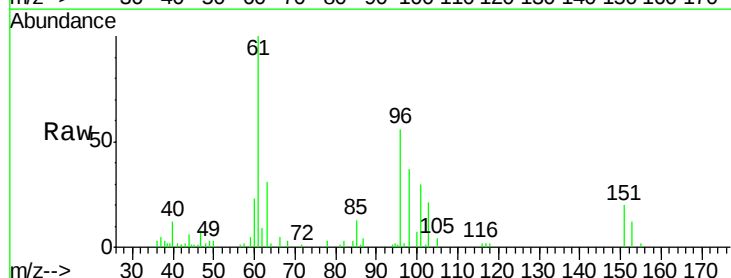
RT: 2.37 min Scan# 199

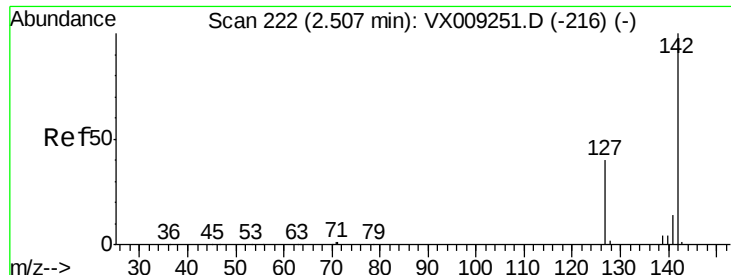
Delta R.T. -0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Tgt Ion:	96	Resp:	4898
Ion Ratio	Lower	Upper	
96	100		
61	176.3	136.5	204.7
98	65.6	51.0	76.4





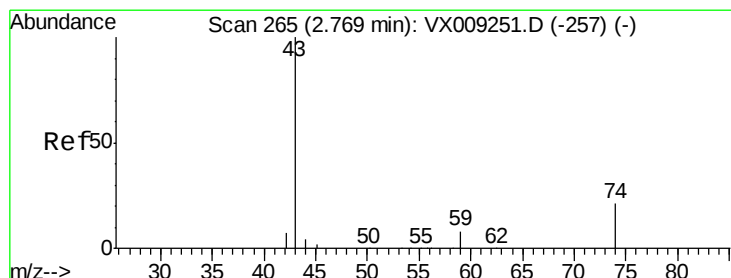
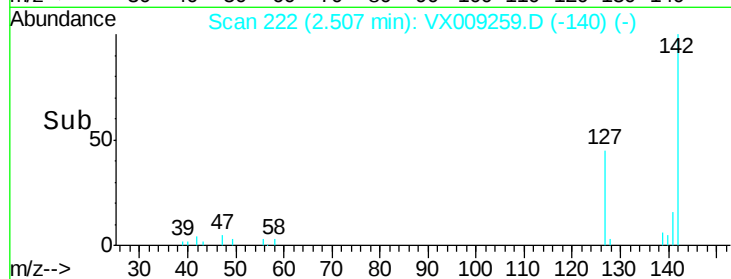
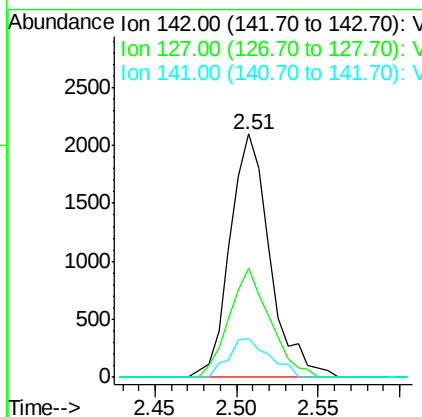
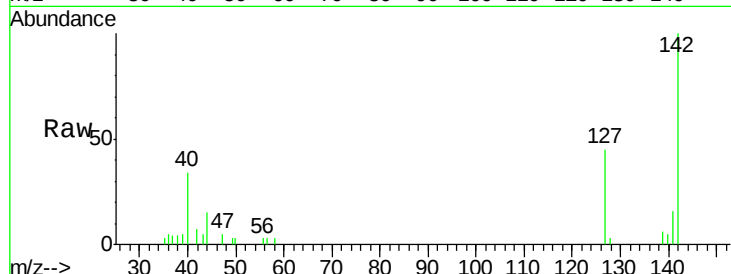
#11
Methvl Iodide
Concen: 1.726 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion:142 Resp: 3582
Ion Ratio Lower Upper
142 100
127 45.0 20.2 60.5
141 16.0 6.9 20.7

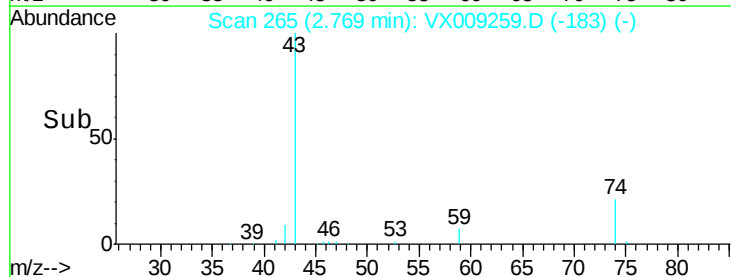
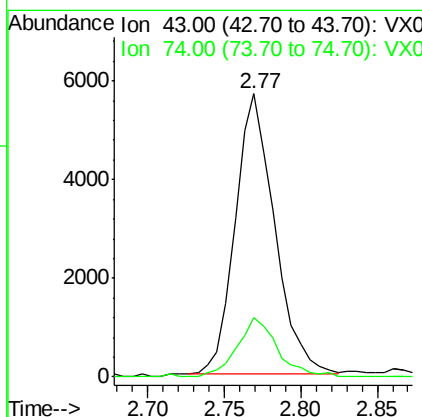
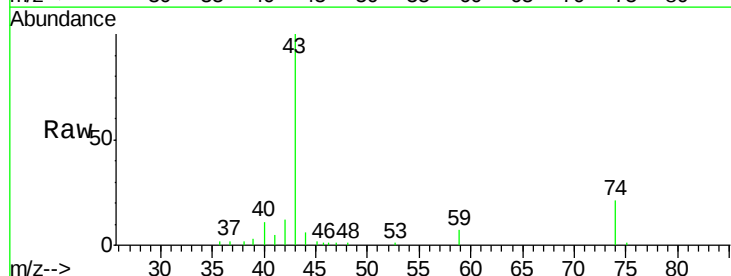
Manual Integrations
APPROVED

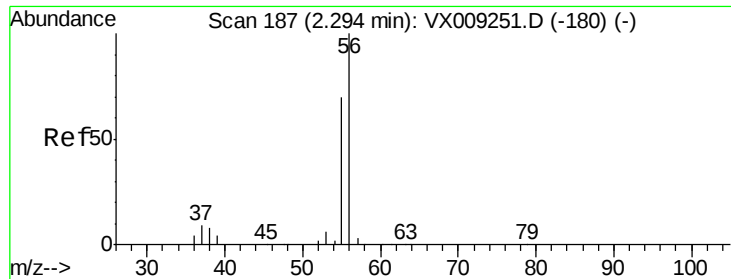
MMDadoda
5/2/2019 10:53:36 AM



#12
Methyl Acetate
Concen: 2.830 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Tgt Ion: 43 Resp: 10179
Ion Ratio Lower Upper
43 100
74 21.1 16.5 24.7





#13

Acrolein

Concen: 15.359 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 56 Resp: 7577

Ion Ratio Lower Upper

56 100

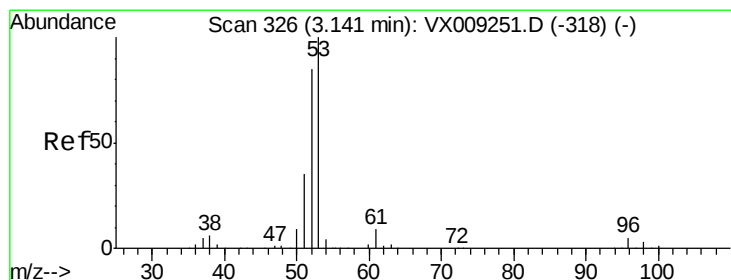
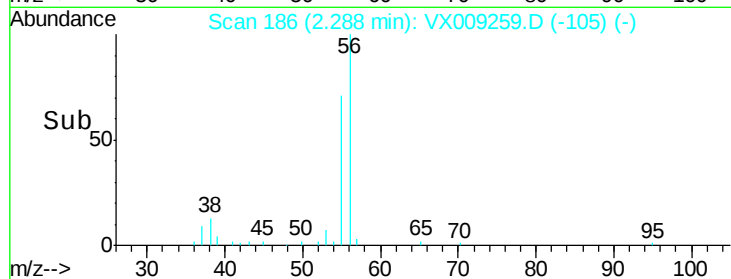
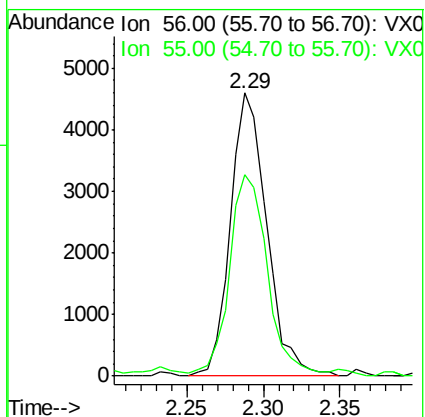
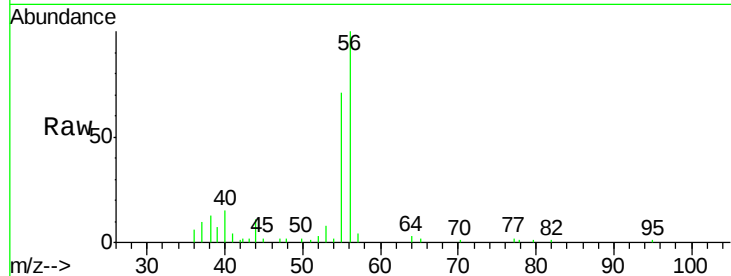
55 74.7 56.9 85.3

Manual Integrations

APPROVED

MMDadoda

5/2/2019 10:53:36 AM



#14

Acrylonitrile

Concen: 12.392 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

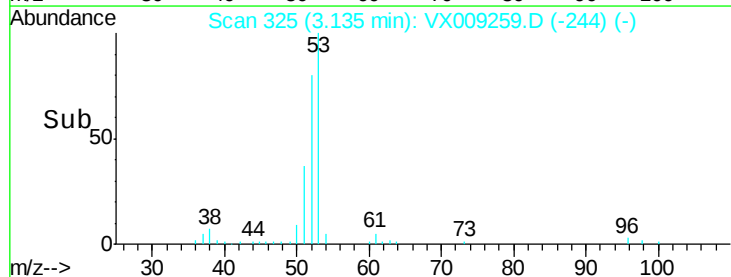
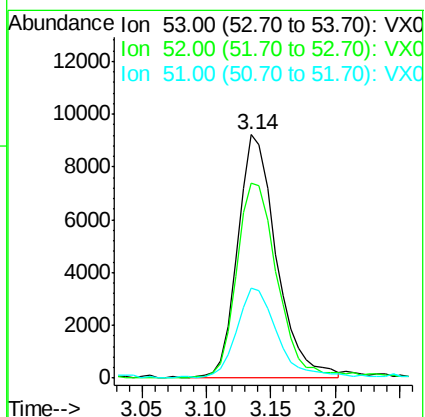
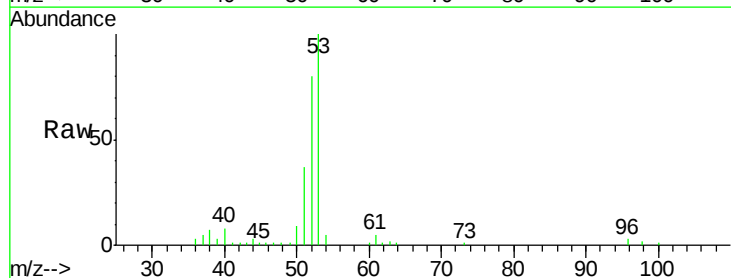
Tgt Ion: 53 Resp: 19344

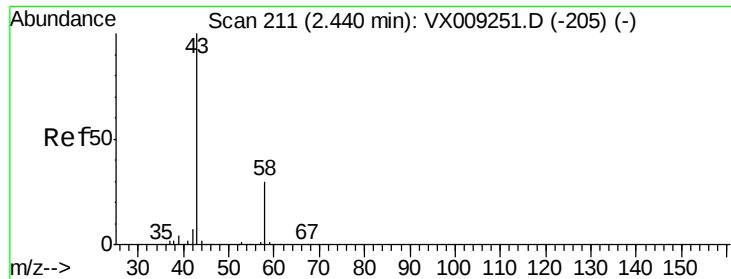
Ion Ratio Lower Upper

53 100

52 82.6 41.5 124.5

51 38.7 17.8 53.3





#15

Acetone

Concen: 12.542 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 58 Resp: 5621

Ion Ratio Lower Upper

58 100

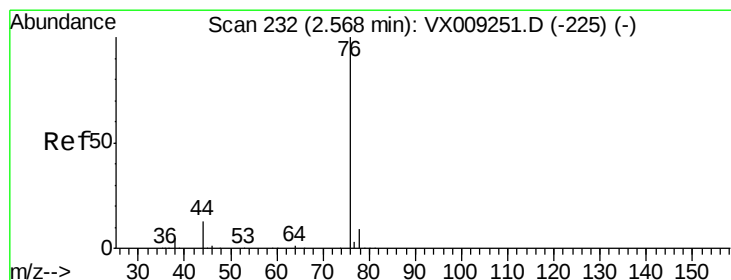
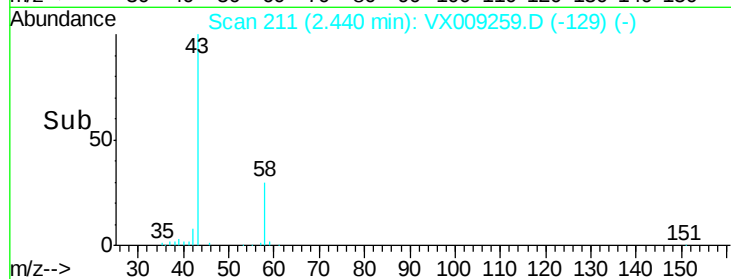
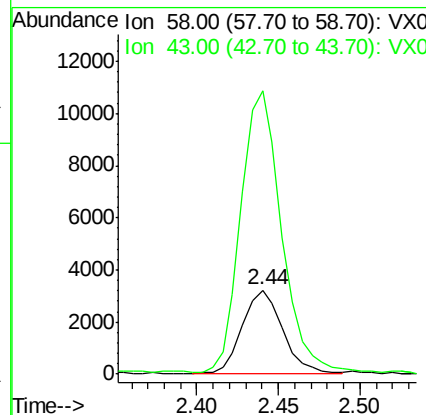
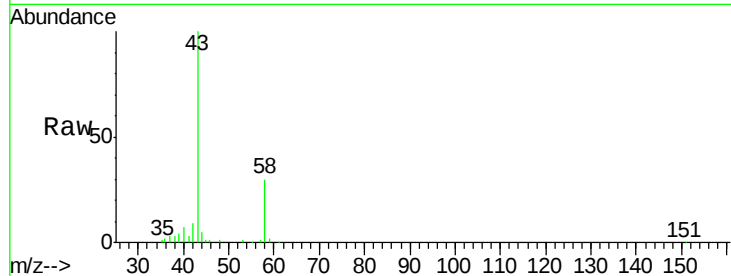
43 335.4 264.0 396.0

Manual Integrations

APPROVED

MMDadoda

5/2/2019 10:53:36 AM



#16

Carbon Disulfide

Concen: 2.362 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009259.D

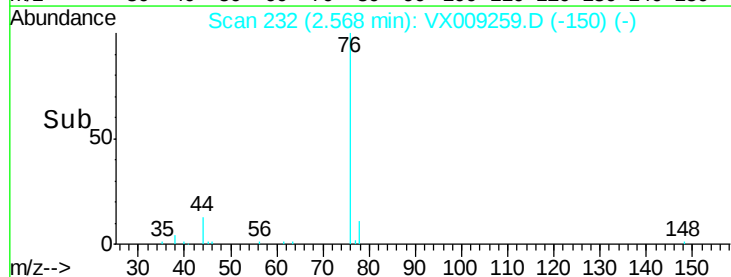
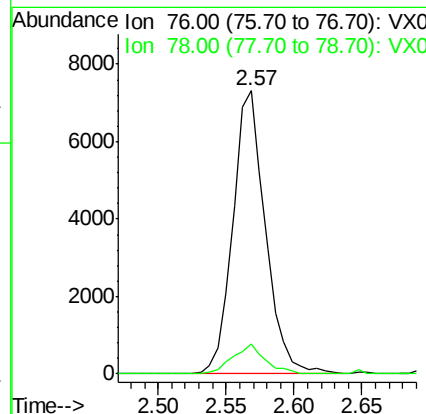
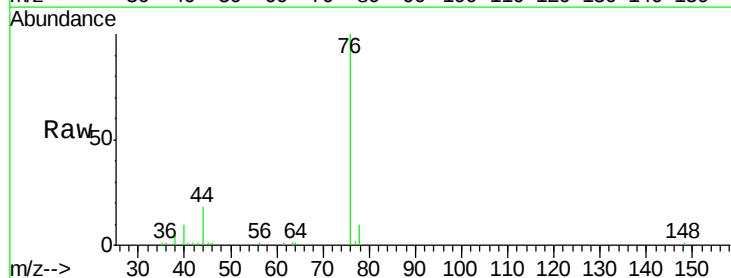
Acq: 01 May 2019 17:14

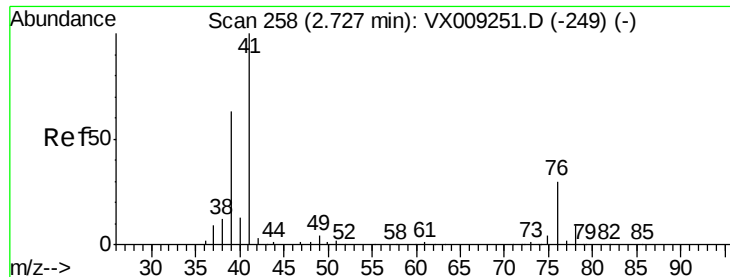
Tgt Ion: 76 Resp: 12204

Ion Ratio Lower Upper

76 100

78 10.5 7.4 11.2





#17

Allvl chloride

Concen: 2.458 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

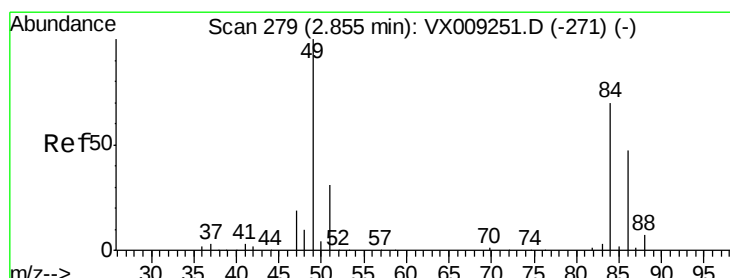
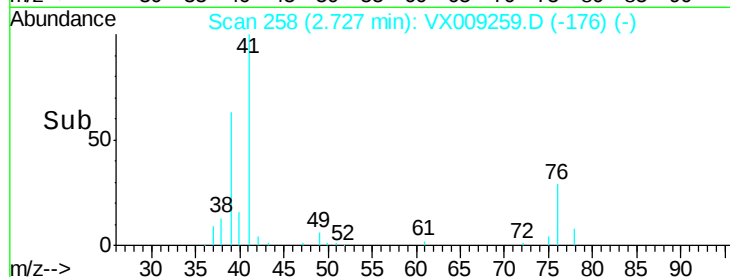
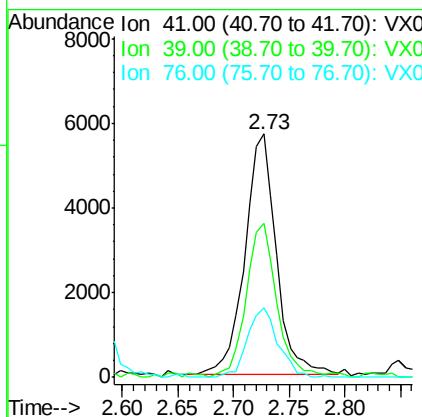
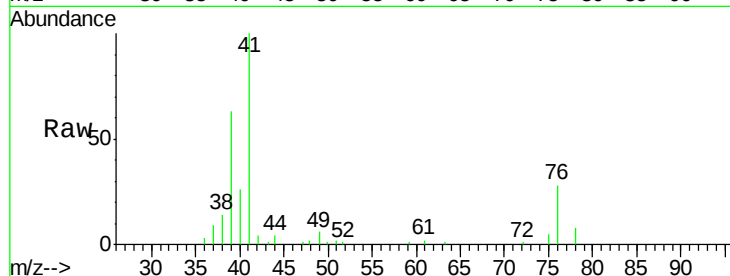
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	41	Resp:	11267
Ion	Ratio	Lower	Upper
41	100		
39	62.3	31.6	94.7
76	28.7	15.1	45.3

Manual Integrations
APPROVED

MMDadoda
5/2/2019 10:53:36 AM



#18

Methylene Chloride

Concen: 2.619 ug/l

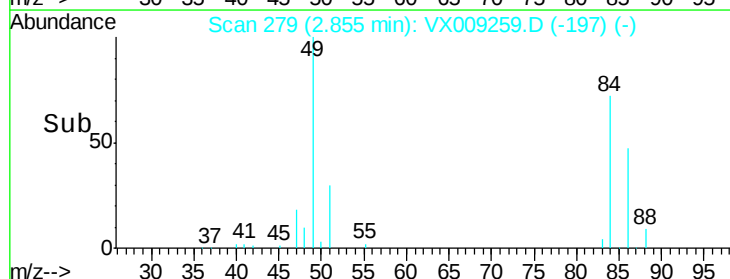
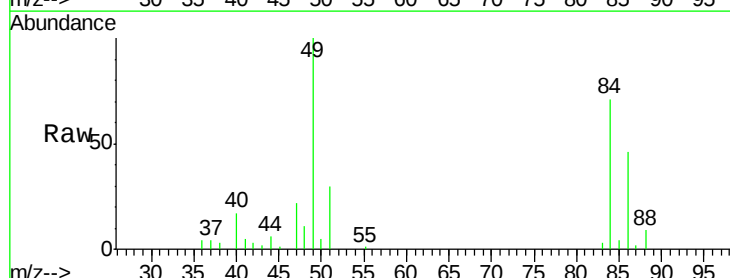
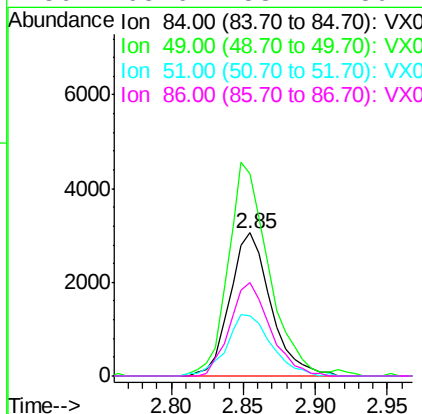
RT: 2.85 min Scan# 279

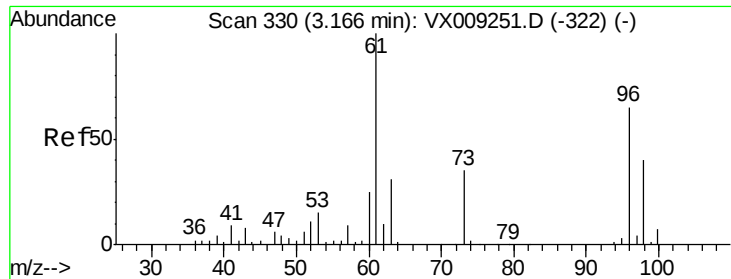
Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Tgt Ion:	84	Resp:	6045
Ion	Ratio	Lower	Upper
84	100		
49	139.4	114.6	171.8
51	41.8	35.5	53.3
86	65.6	53.4	80.2





#19

trans-1,2-Dichloroethene

Concen: 2.598 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

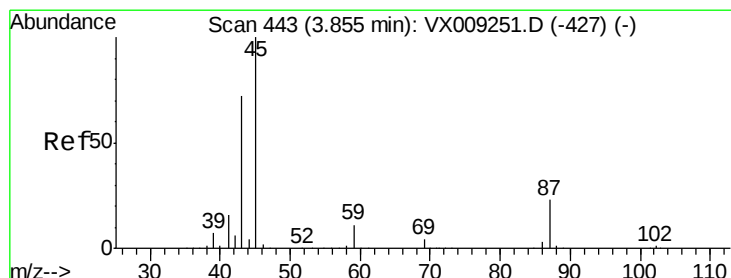
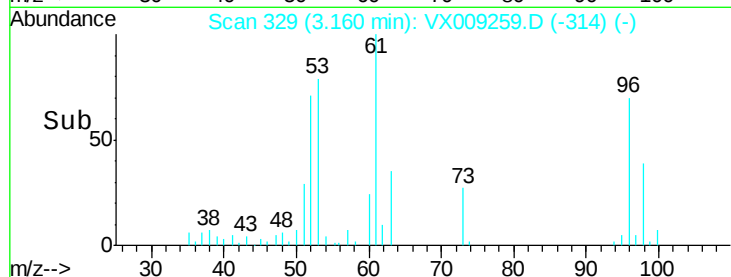
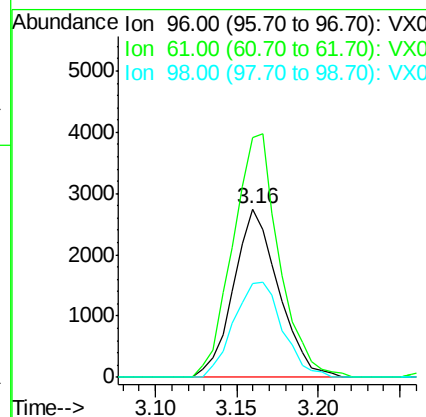
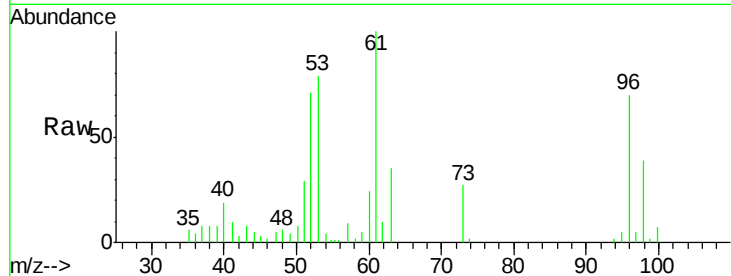
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	96	Resp:	5289
Ion	Ratio	Lower	Upper
96	100		
61	142.4	122.7	184.1
98	55.7	49.5	74.3

Manual Integrations
APPROVED

MMDadoda
5/2/2019 10:53:36 AM



#20

Diisopropyl ether

Concen: 2.633 ug/l

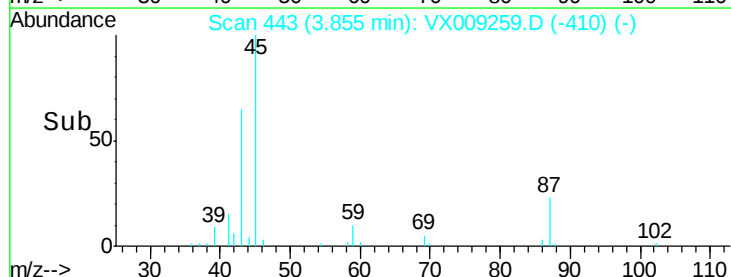
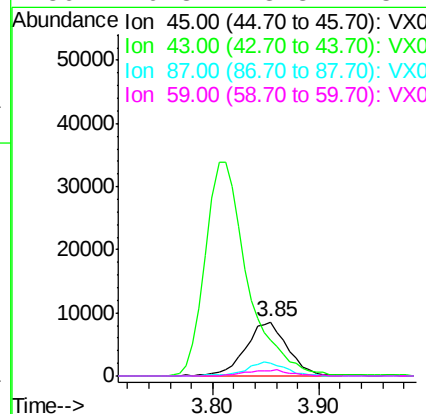
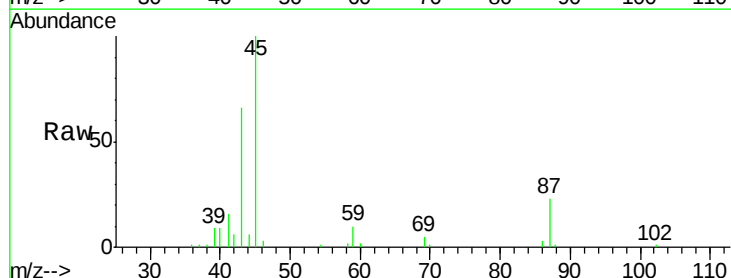
RT: 3.85 min Scan# 443

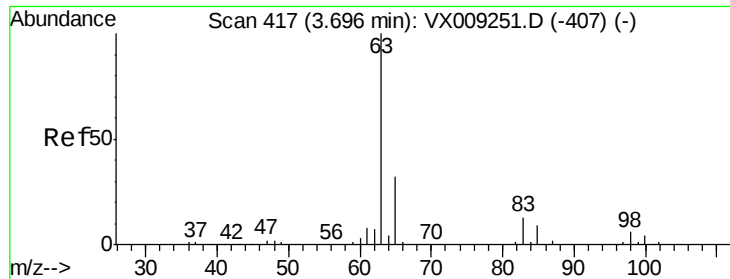
Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Tgt Ion:	45	Resp:	23769
Ion	Ratio	Lower	Upper
45	100		
43	63.0	57.7	86.5
87	22.9	18.5	27.7
59	10.3	8.8	13.2





#21

1,1-Dichloroethane

Concen: 2.563 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

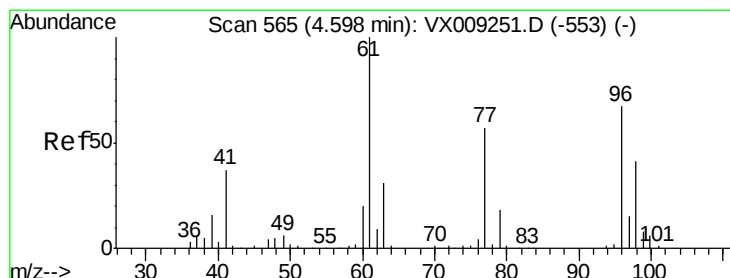
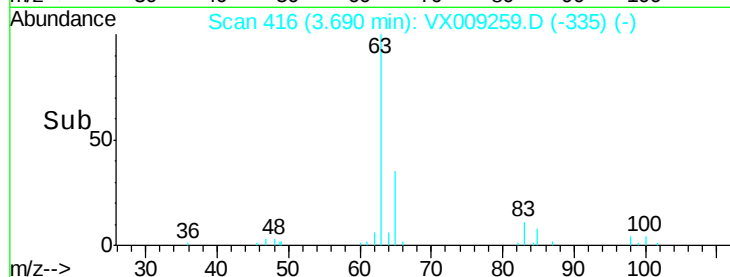
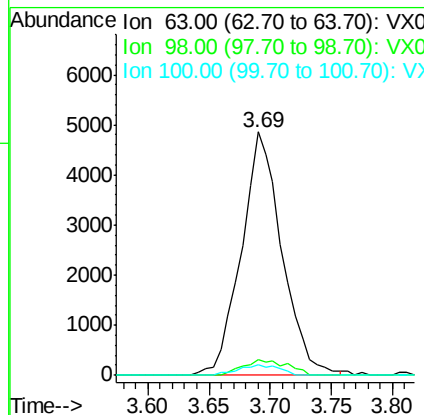
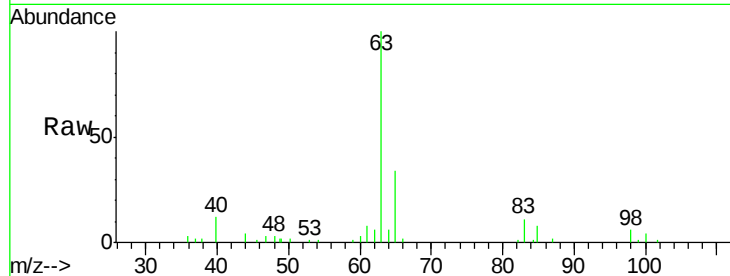
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	63	Resp:	11199
Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.1	9.3
100	4.3	2.2	6.6

Manual Integrations
APPROVED

MMDadoda
5/2/2019 10:53:36 AM



#22

cis-1,2-Dichloroethene

Concen: 2.617 ug/l

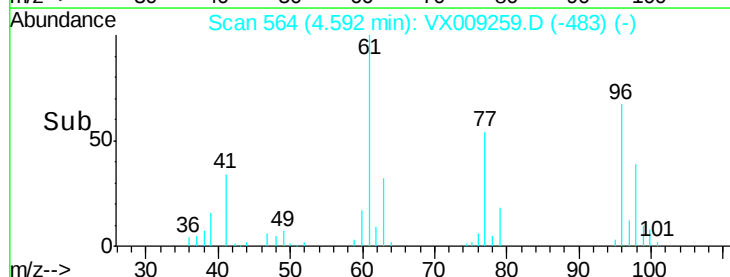
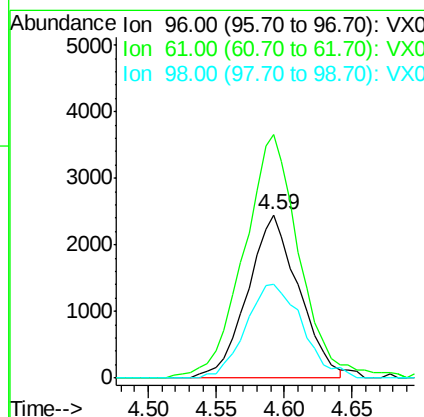
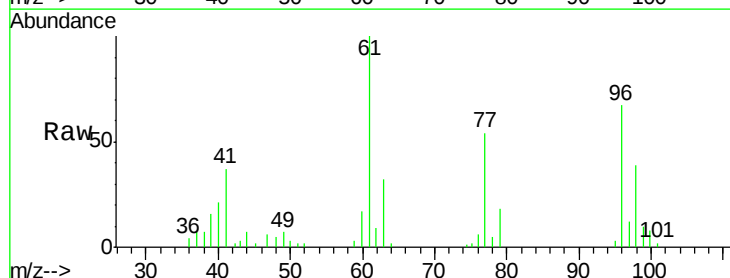
RT: 4.59 min Scan# 564

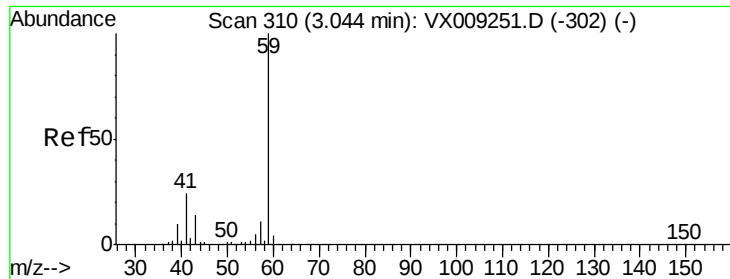
Delta R.T. -0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Tgt Ion:	96	Resp:	6419
Ion	Ratio	Lower	Upper
96	100		
61	161.5	127.7	191.5
98	62.5	50.5	75.7





#23

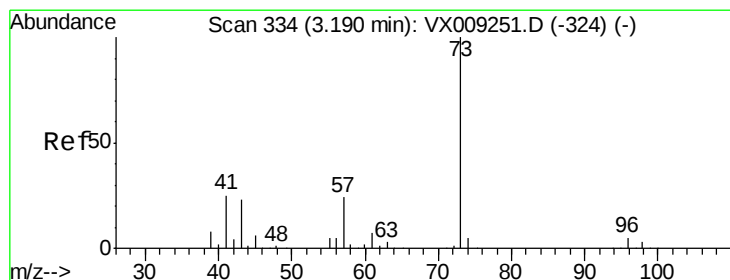
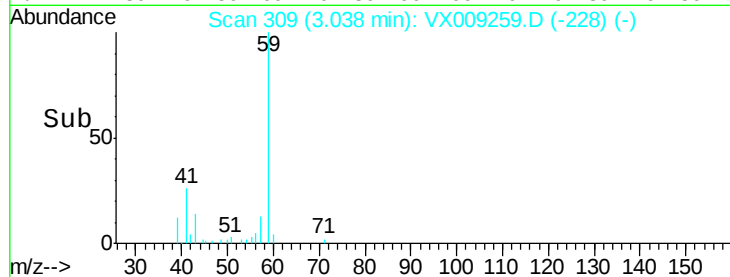
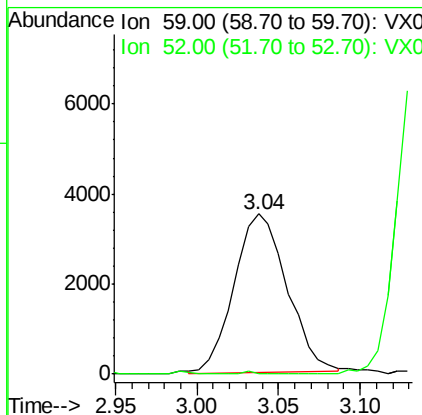
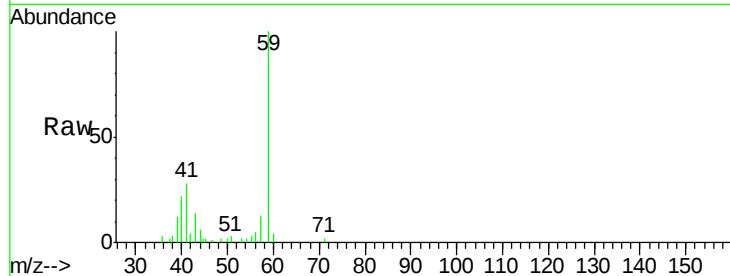
tert-Butyl Alcohol
 Concen: 12.069 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. -0.01 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion	59	52	Ratio	Lower	Upper
7966	100	0.0		0.2	0.2#

Manual Integrations
 APPROVED

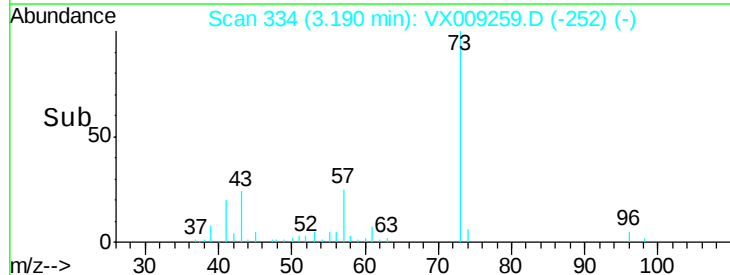
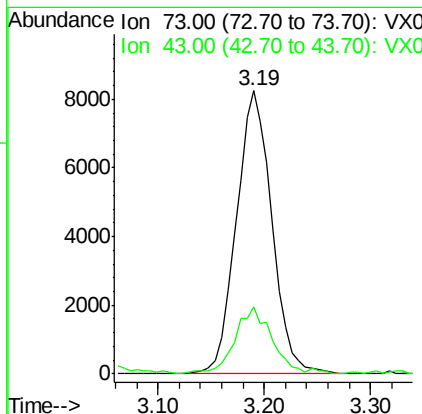
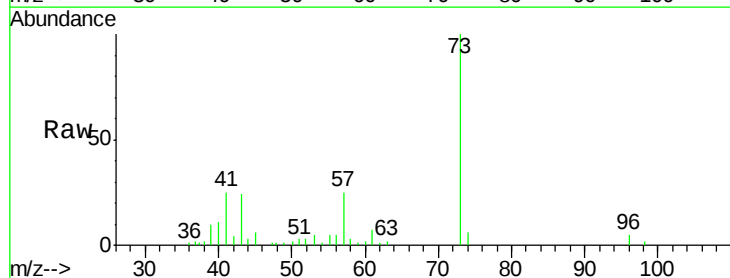
MMDadoda
 5/2/2019 10:53:36 AM

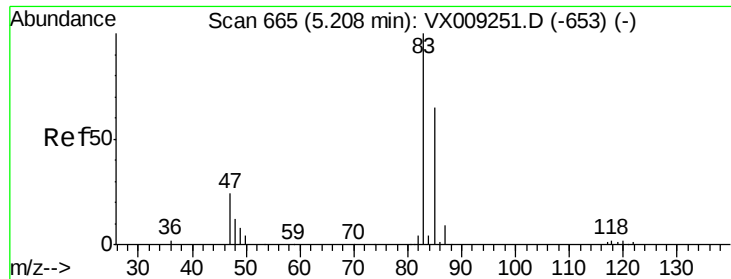


#24

Methyl tert-Butyl Ether
 Concen: 2.586 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.00 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

Tgt Ion	73	43	Ratio	Lower	Upper
19328	100	22.0		17.6	26.4





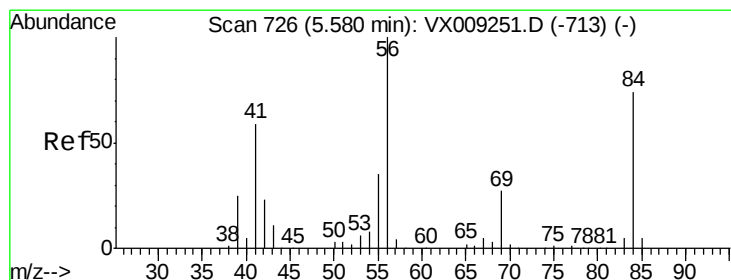
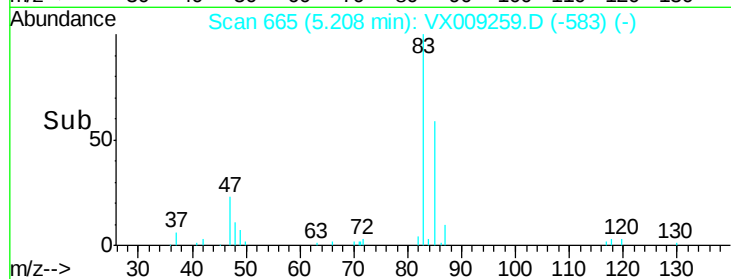
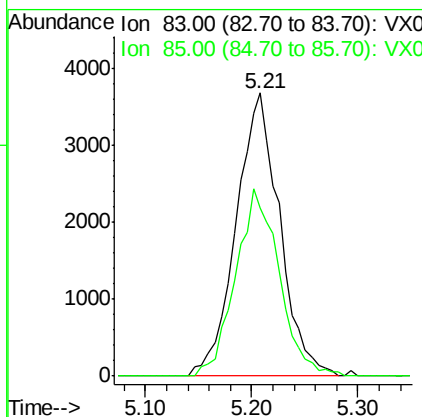
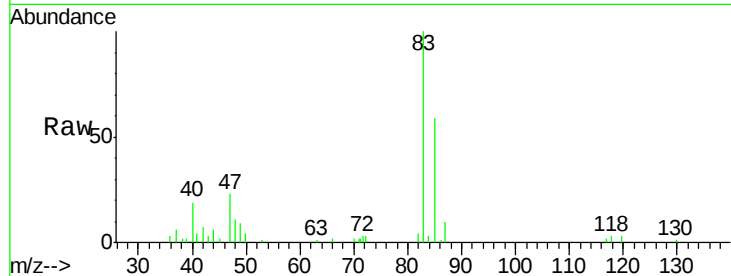
#25
Chloroform
Concen: 2.647 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
83	100	10555		
85	59.4		51.9	77.9

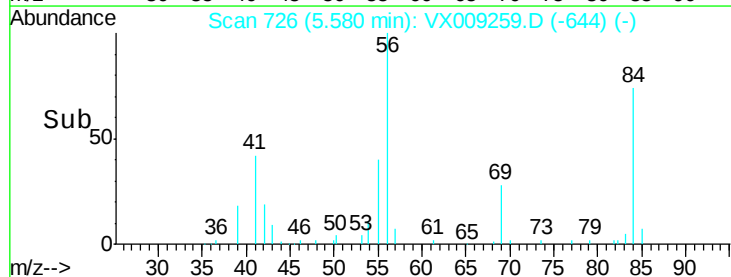
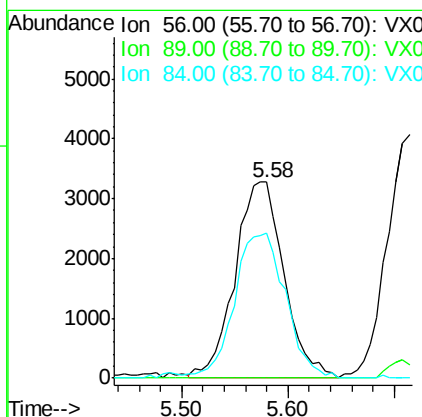
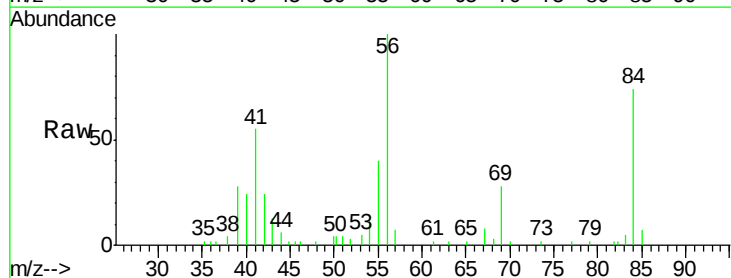
Manual Integrations
APPROVED

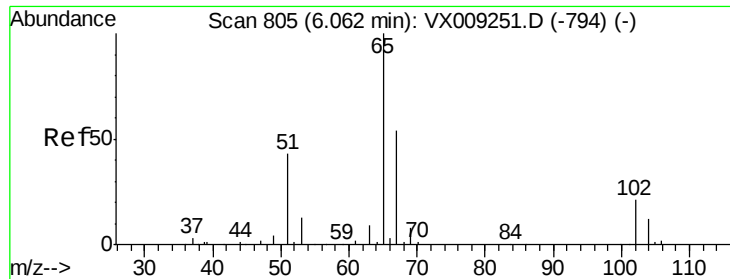
MMDadoda
5/2/2019 10:53:36 AM



#26
Cyclohexane
Concen: 2.592 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	10556		
89	4.6		0.0	0.0#
84	77.1		59.7	89.5





#27

1,2-Dichloroethane-d4

Concen: 29.545 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.3	43.1	64.7

Instrument :

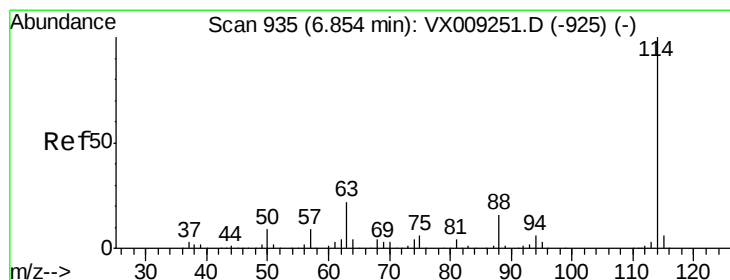
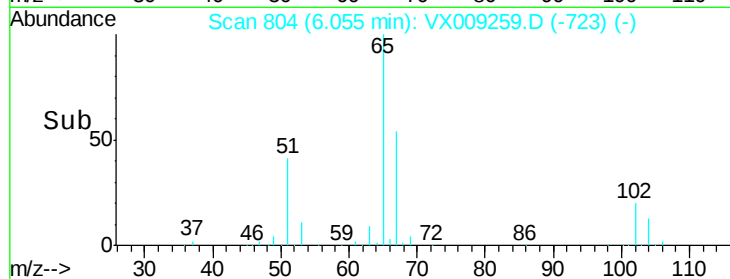
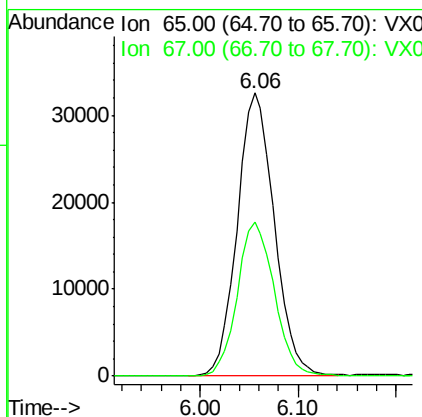
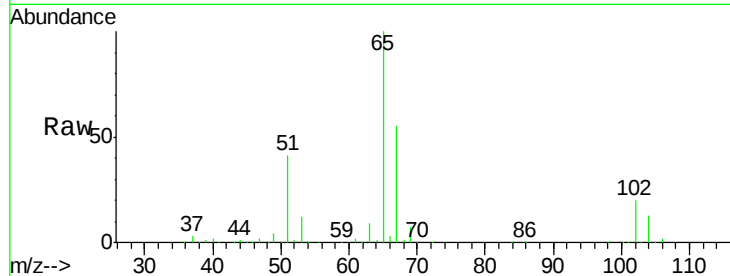
MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Manual Integrations
APPROVED

MMDadoda
5/2/2019 10:53:36 AM



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

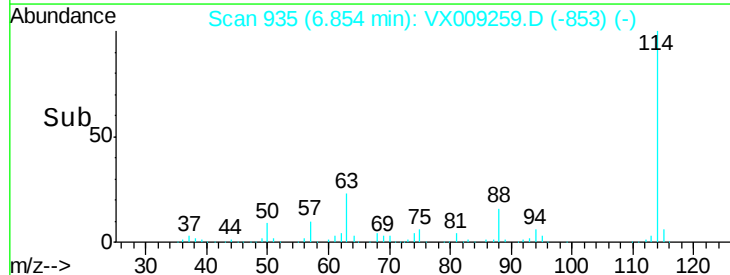
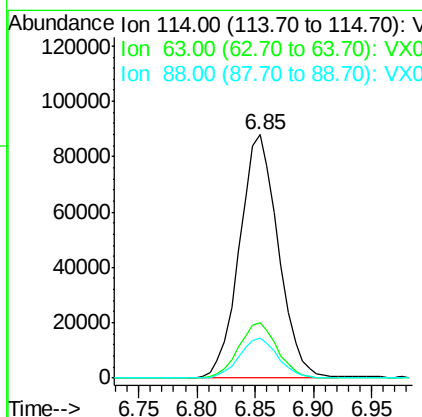
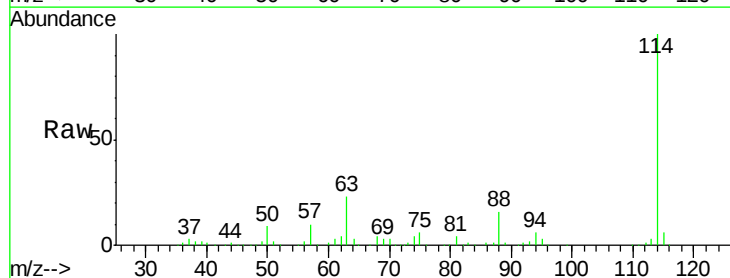
RT: 6.85 min Scan# 935

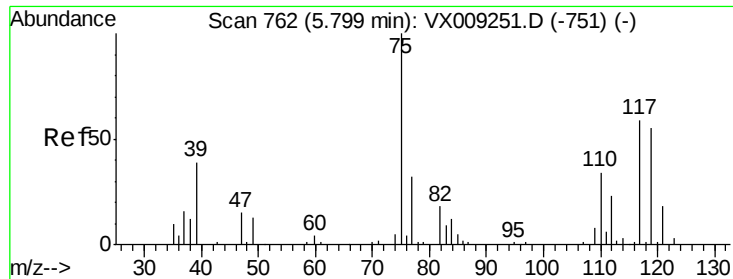
Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.0	18.0	27.0
88	16.3	13.4	20.0





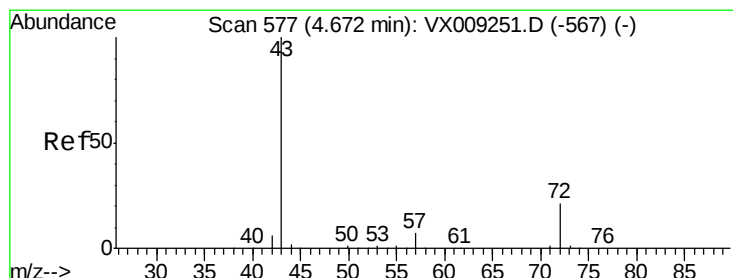
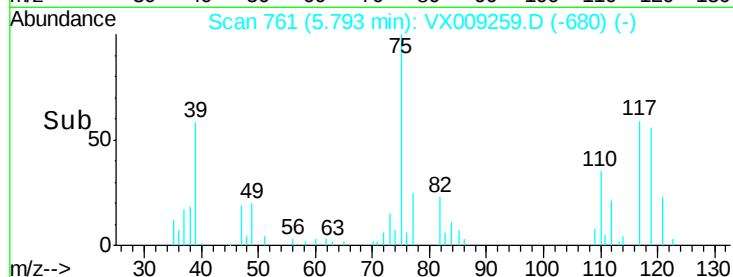
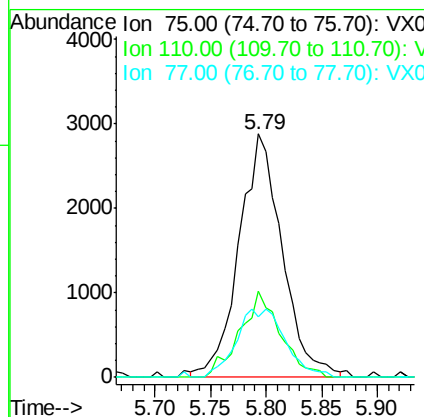
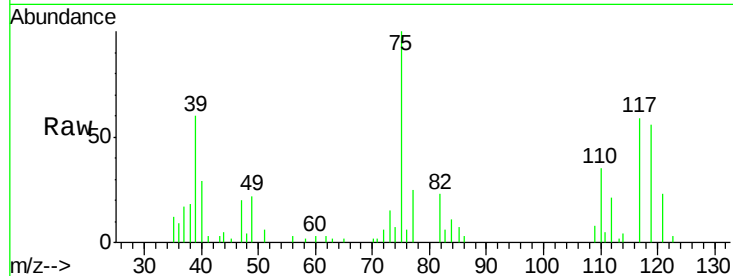
#29
 1,1-Dichloropropene
 Concen: 2.589 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion:	75	Resp:	7759
Ion	Ratio	Lower	Upper
75	100		
110	30.7	0.0	66.4
77	16.0	0.0	62.2

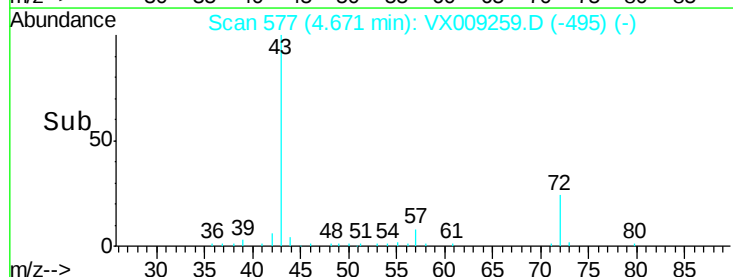
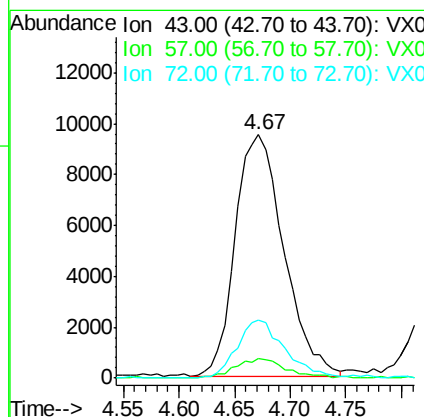
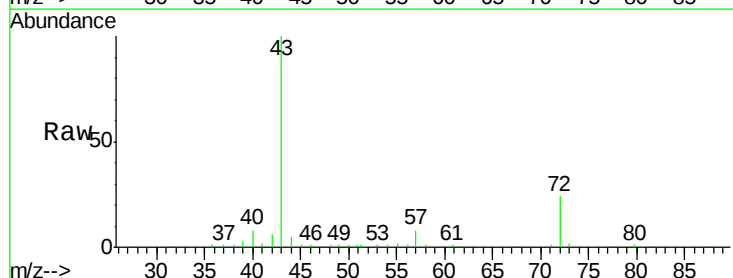
Manual Integrations
 APPROVED

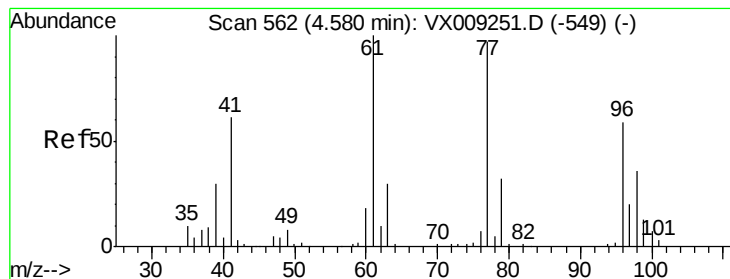
MMDadoda
 5/2/2019 10:53:36 AM



#30
 2-Butanone
 Concen: 12.281 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

Tgt Ion:	43	Resp:	28822
Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.0	9.0
72	23.6	18.2	27.4





#31

2,2-Dichloropropane

Concen: 2.629 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 77 Resp: 8685

Ion Ratio Lower Upper

77 100

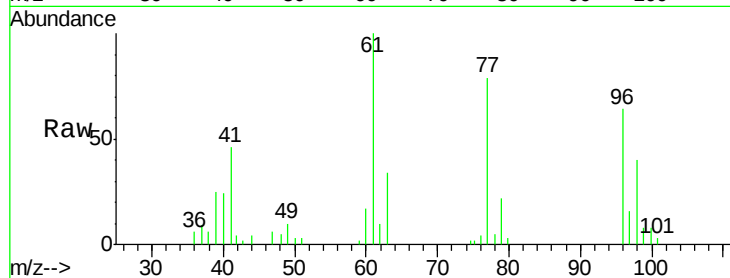
97 23.4 18.3 27.5

Manual Integrations

APPROVED

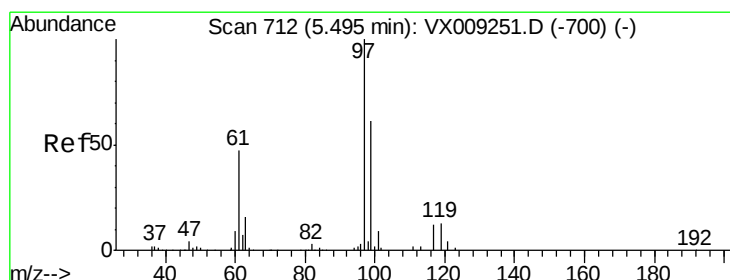
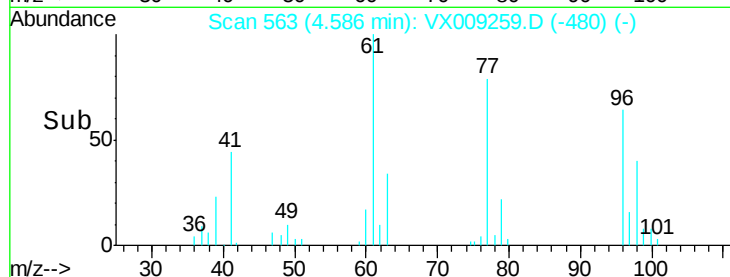
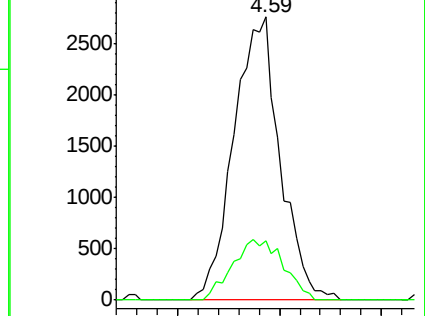
MMDadoda

5/2/2019 10:53:36 AM



Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0



#32

1,1,1-Trichloroethane

Concen: 2.588 ug/l m

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

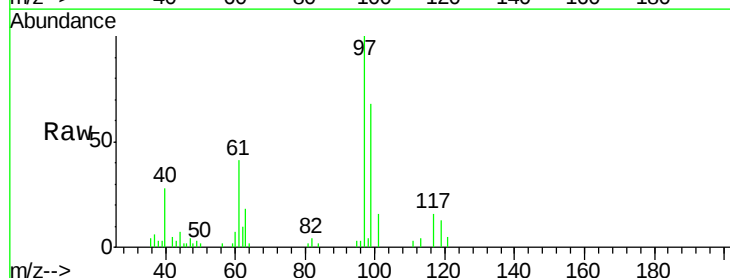
Tgt Ion: 97 Resp: 8409

Ion Ratio Lower Upper

97 100

99 67.7 53.9 80.9

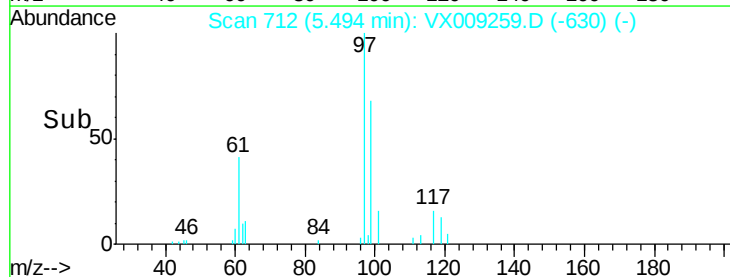
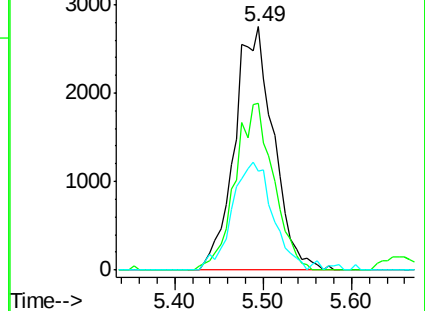
61 46.4 38.6 58.0

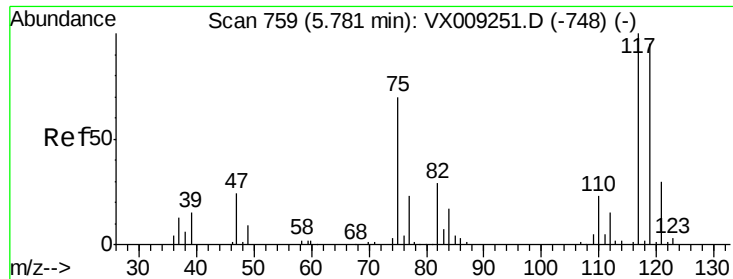


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





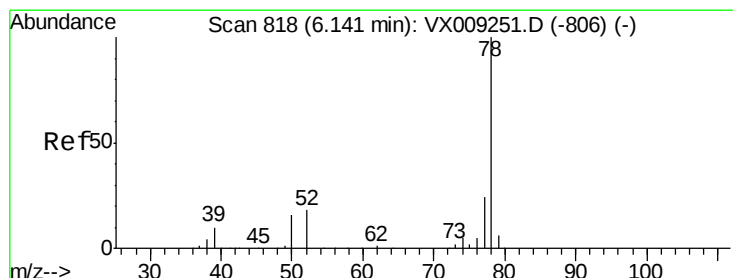
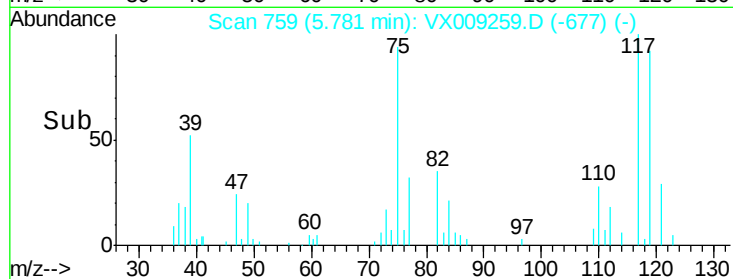
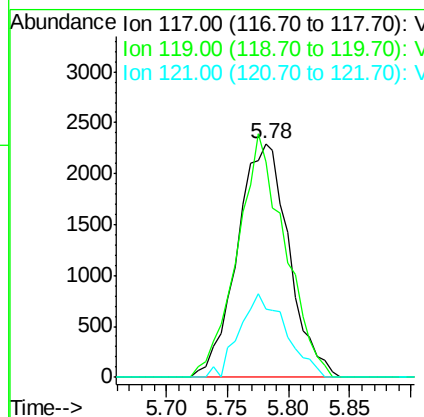
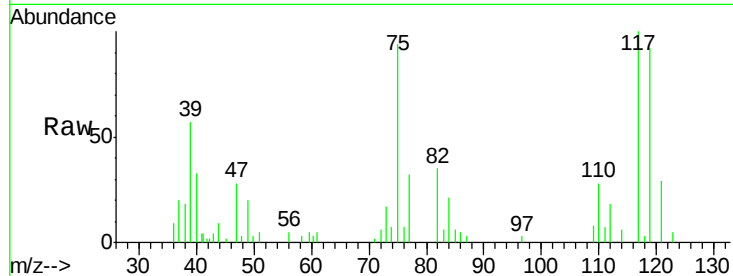
#33
Carbon Tetrachloride
Concen: 2.475 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion:117 Resp: 6728
Ion Ratio Lower Upper
117 100
119 92.4 76.1 114.1
121 29.1 24.4 36.6

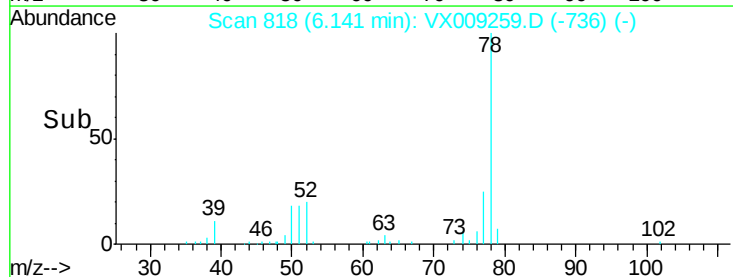
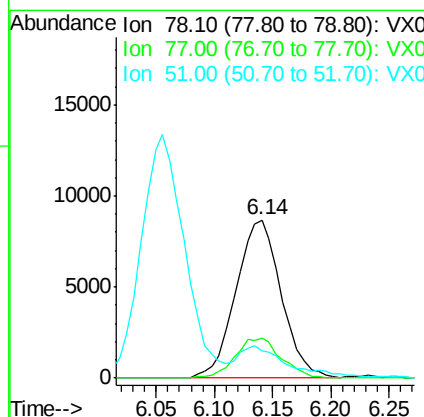
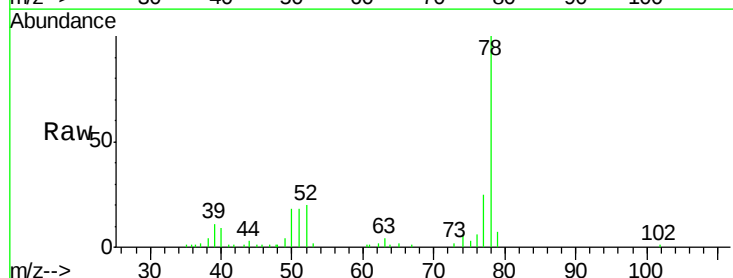
Manual Integrations
APPROVED

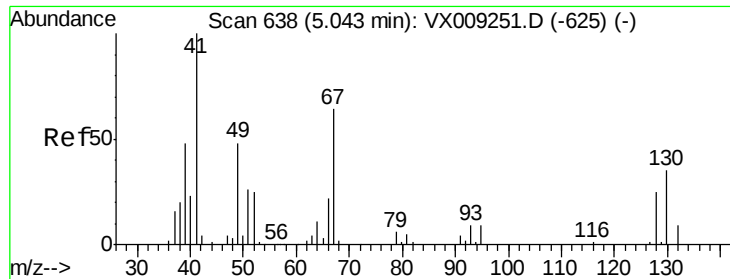
MMDadoda
5/2/2019 10:53:36 AM



#34
Benzene
Concen: 2.548 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Tgt Ion: 78 Resp: 23536
Ion Ratio Lower Upper
78 100
77 25.4 18.8 28.2
51 15.3 13.5 20.3





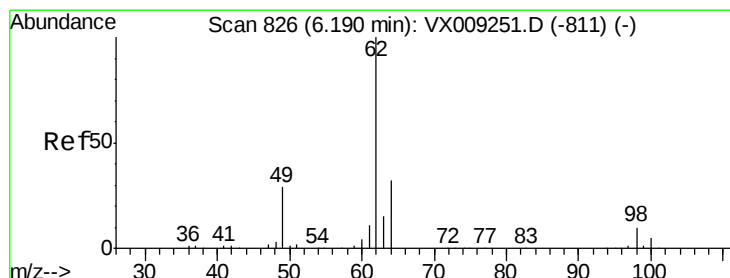
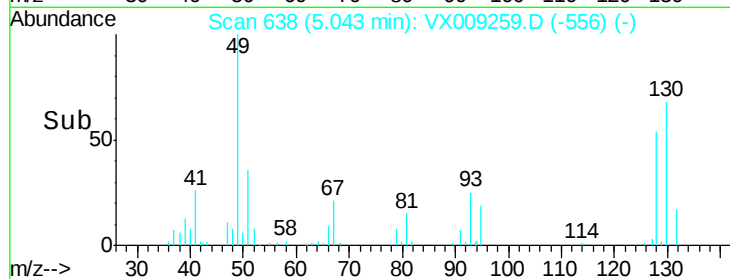
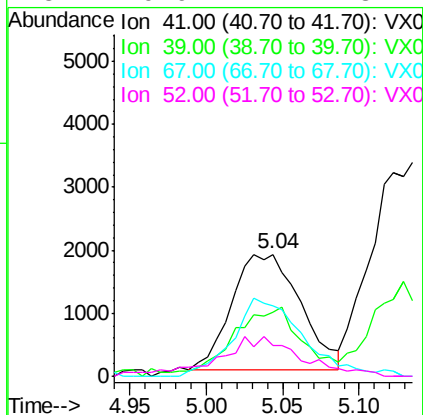
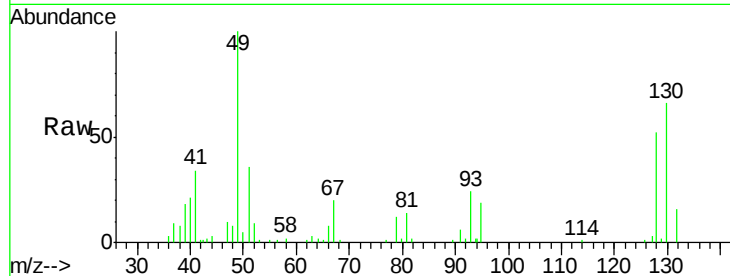
#35
Methacrylonitrile
Concen: 2.346 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.1	24.1	72.3
67	56.1	32.2	96.6
52	19.9	12.4	37.4

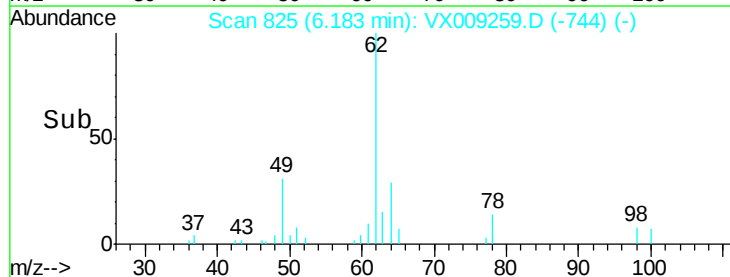
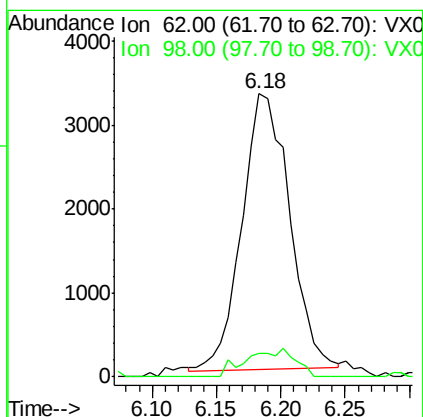
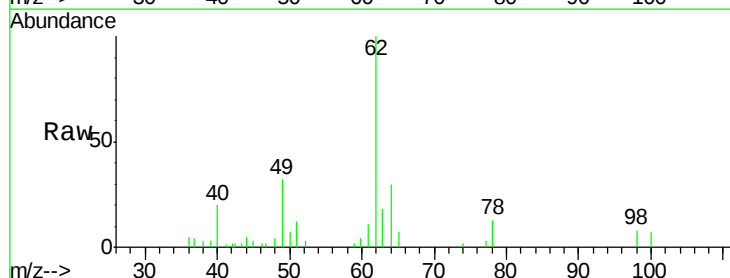
Manual Integrations
APPROVED

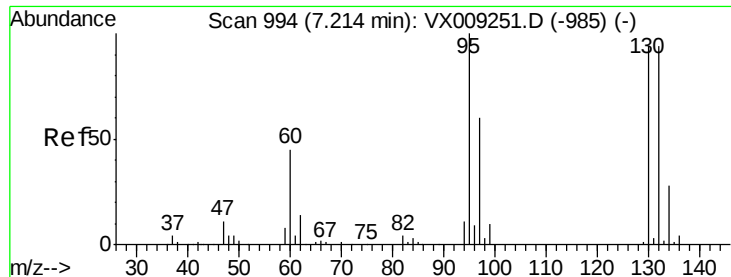
MMDadoda
5/2/2019 10:53:36 AM



#36
1,2-Dichloroethane
Concen: 2.518 ug/l
RT: 6.18 min Scan# 825
Delta R.T. -0.01 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.3	7.4	11.2#





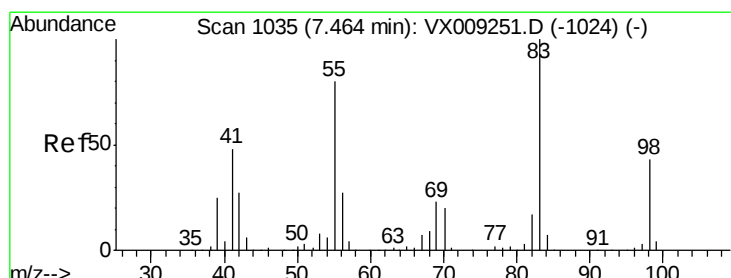
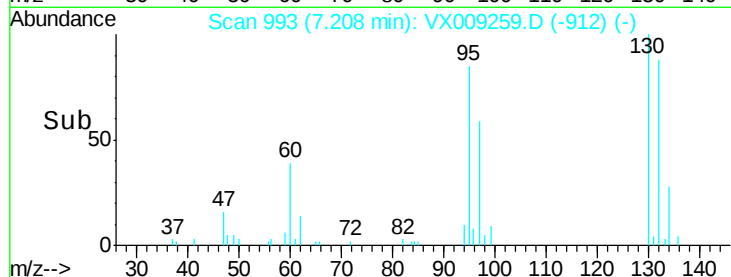
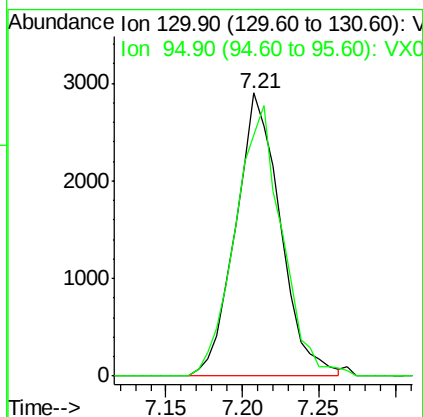
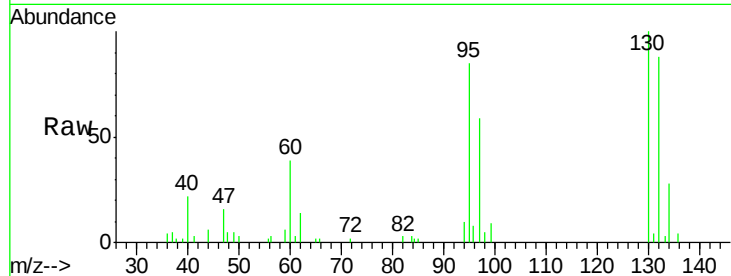
#37
 Trichloroethene
 Concen: 2.651 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion:130 Resp: 5895
 Ion Ratio Lower Upper
 130 100
 95 85.4 85.0 127.4

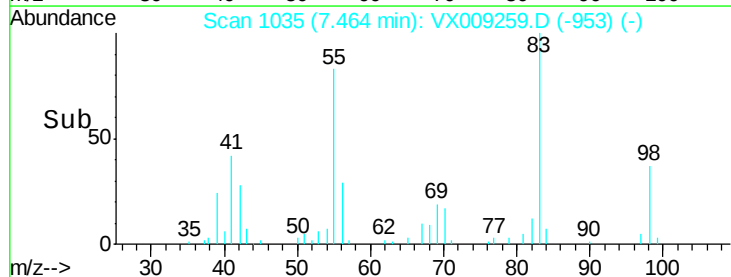
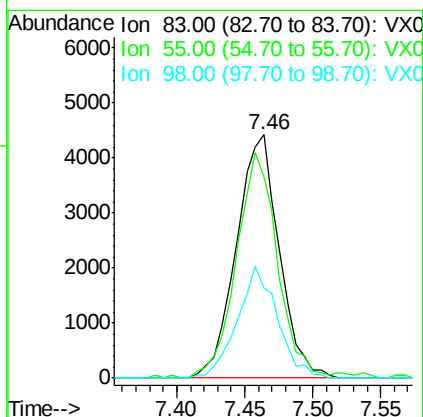
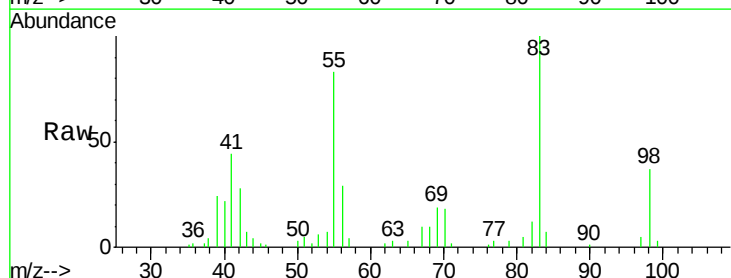
Manual Integrations
 APPROVED

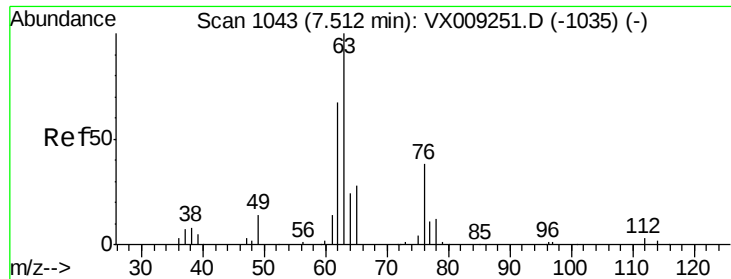
MMDadoda
 5/2/2019 10:53:36 AM



#38
 Methylcyclohexane
 Concen: 2.629 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

Tgt Ion: 83 Resp: 9732
 Ion Ratio Lower Upper
 83 100
 55 88.7 43.0 129.2
 98 43.1 22.1 66.1





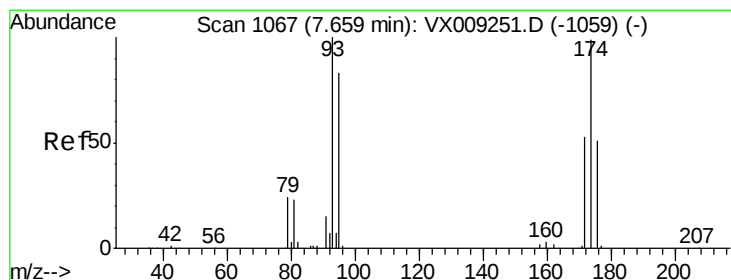
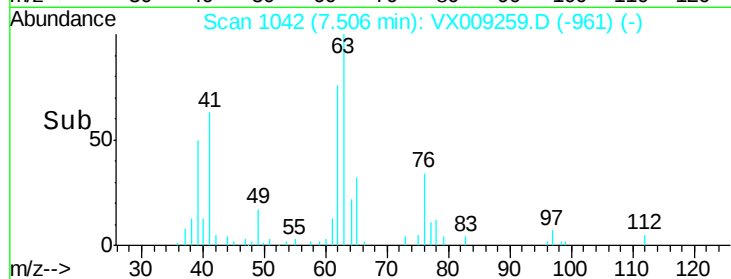
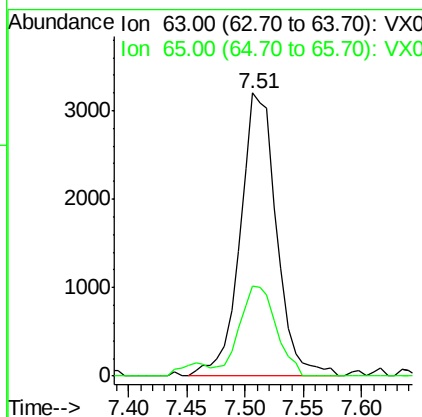
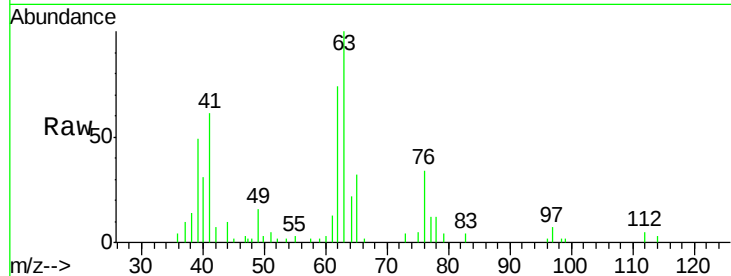
#39
 1,2-Dichloropropane
 Concen: 2.658 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion: 63 Resp: 6993
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.0 36.0

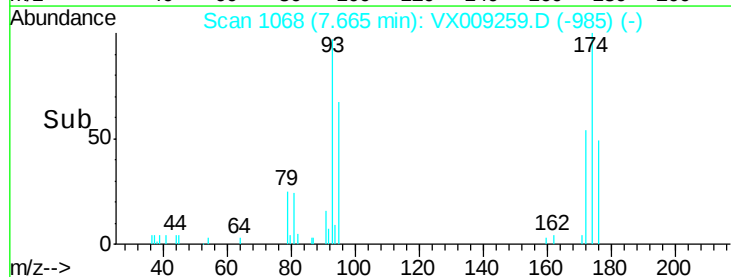
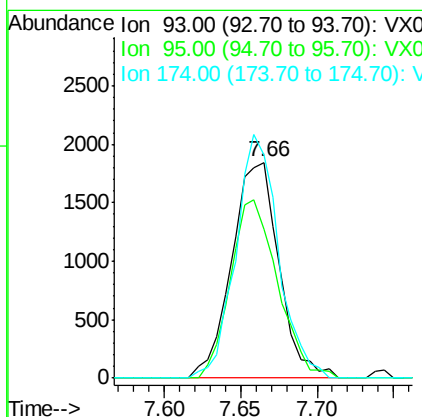
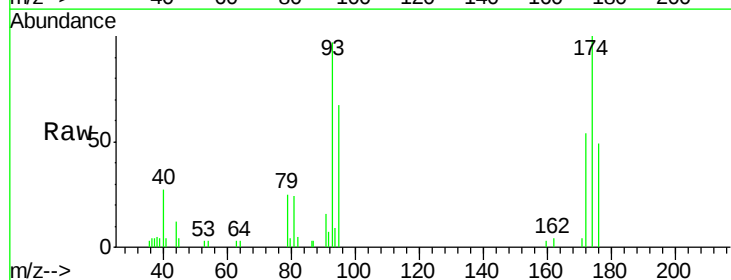
Manual Integrations
 APPROVED

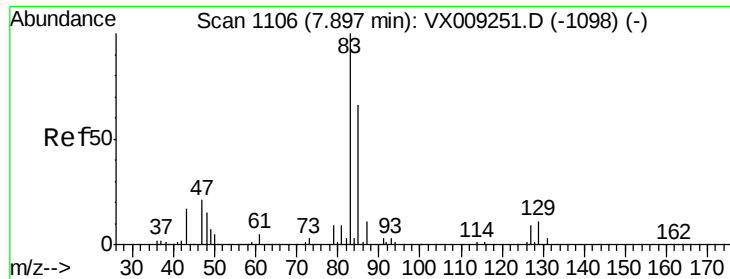
MMDadoda
 5/2/2019 10:53:36 AM



#40
 Dibromomethane
 Concen: 2.661 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

Tgt Ion: 93 Resp: 3974
 Ion Ratio Lower Upper
 93 100
 95 81.2 0.0 167.2
 174 101.8 0.0 203.4





#41

Bromodichloromethane

Concen: 2.389 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

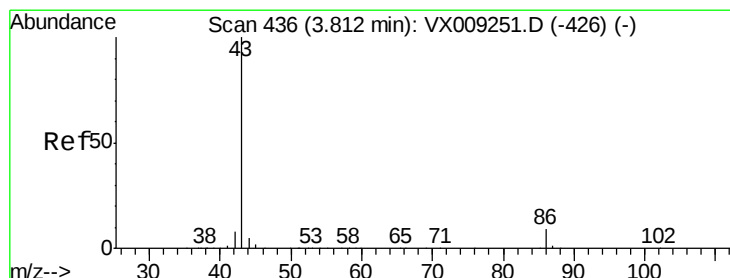
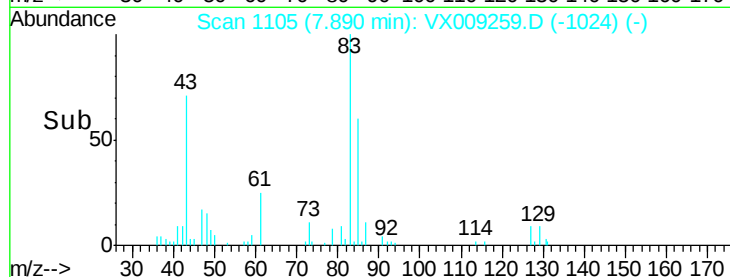
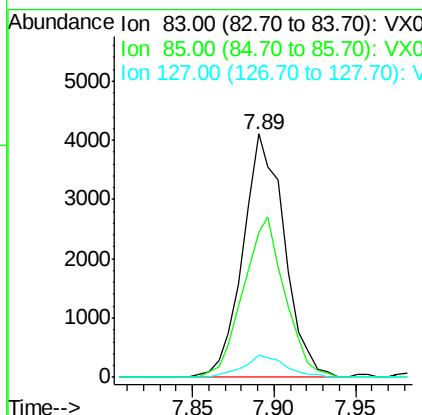
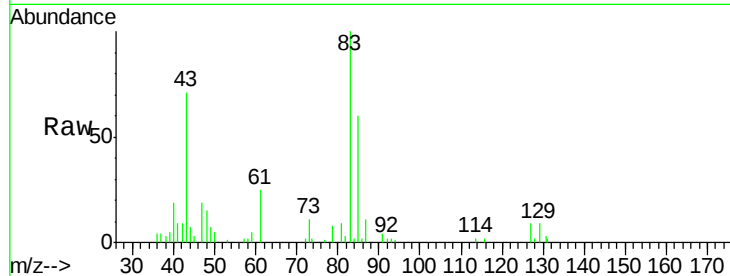
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	83	Resp:	7286
Ion	Ratio	Lower	Upper
83	100		
85	59.8	52.6	79.0
127	9.0	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
5/2/2019 10:53:36 AM



#42

Vinyl Acetate

Concen: 11.918 ug/l

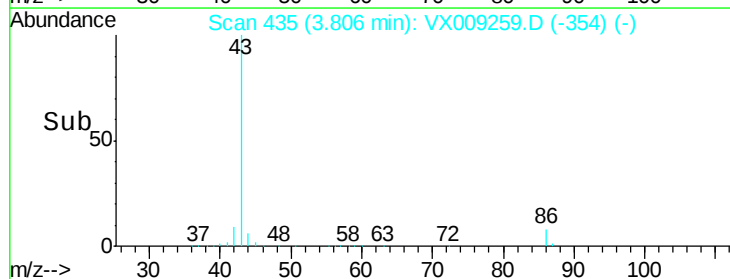
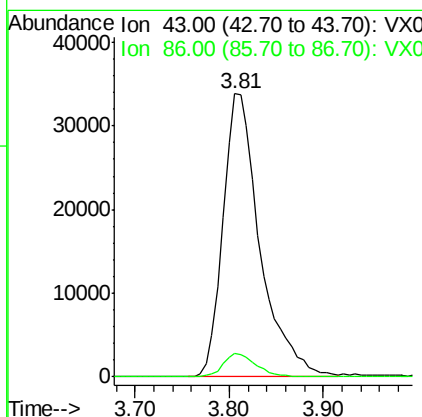
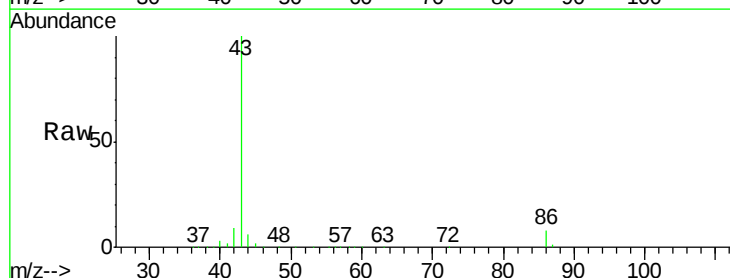
RT: 3.81 min Scan# 435

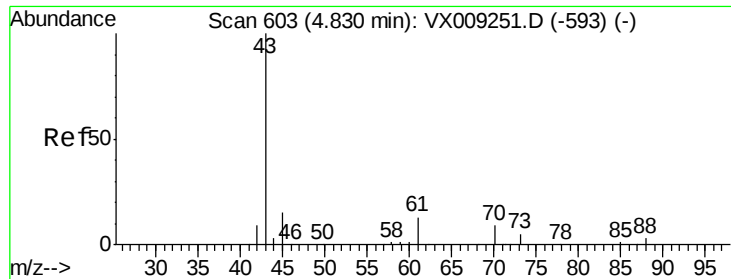
Delta R.T. -0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Tgt Ion:	43	Resp:	92310
Ion	Ratio	Lower	Upper
43	100		
86	7.4	6.0	9.0





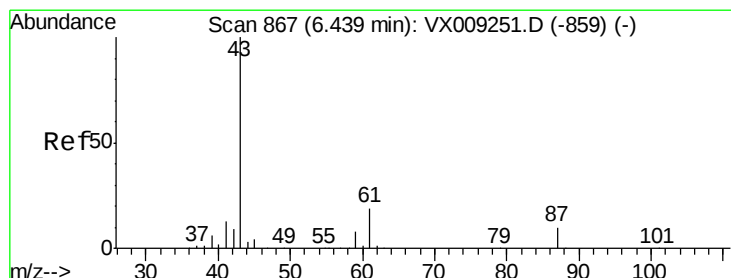
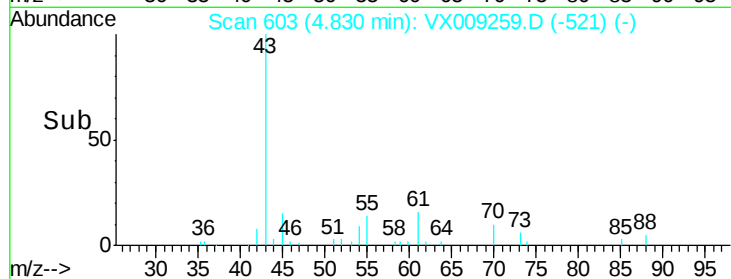
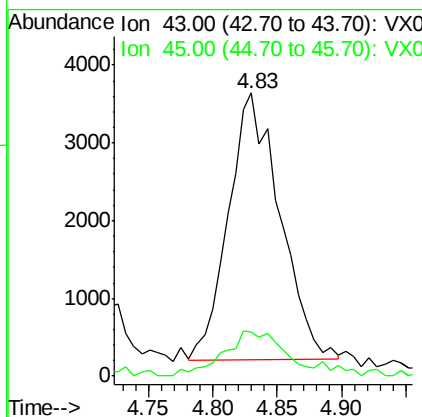
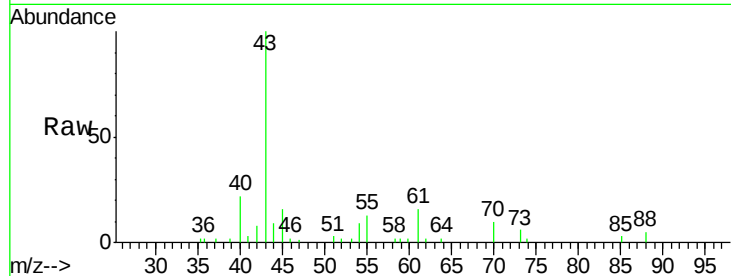
#43
Ethyl Acetate
Concen: 2.247 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 43 Resp: 9529
Ion Ratio Lower Upper
43 100
45 13.2 11.8 17.8

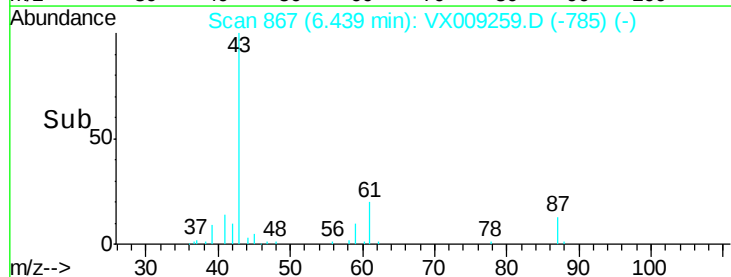
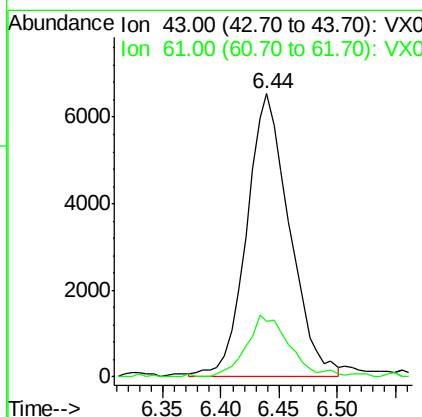
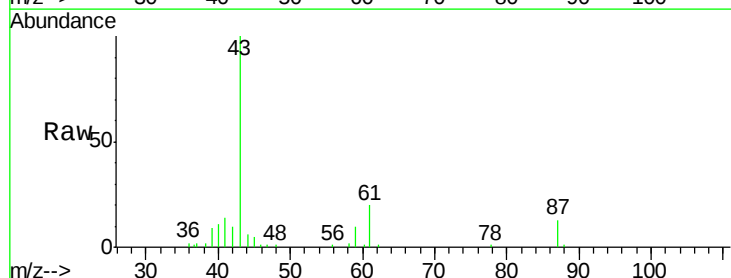
Manual Integrations
APPROVED

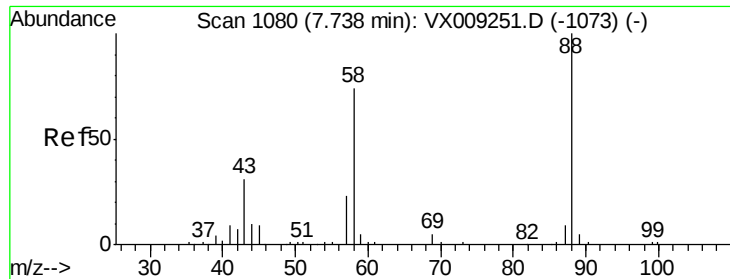
MMDadoda
5/2/2019 10:53:36 AM



#44
Isopropyl Acetate
Concen: 2.439 ug/l
RT: 6.44 min Scan# 867
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Tgt Ion: 43 Resp: 16754
Ion Ratio Lower Upper
43 100
61 20.9 15.4 23.2





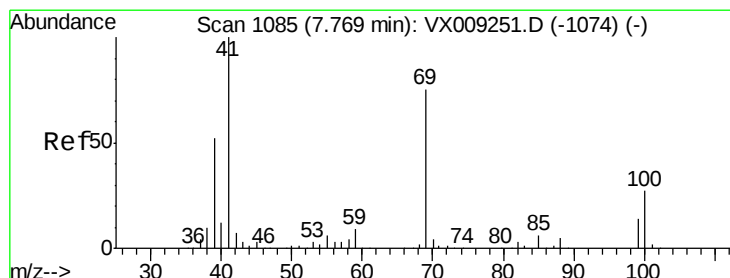
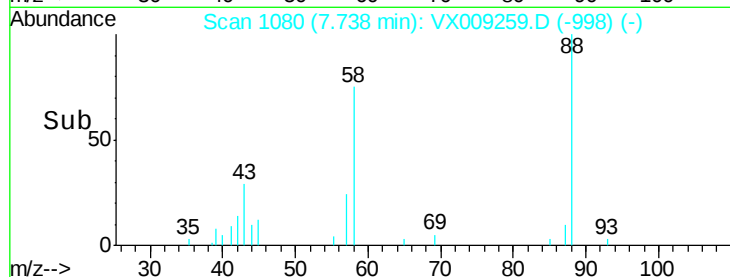
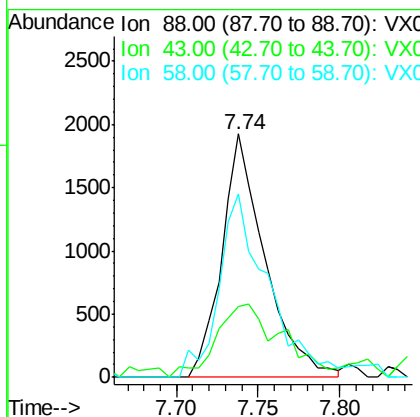
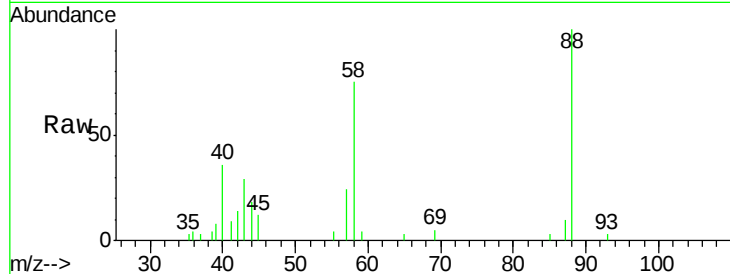
#45
 1,4-Dioxane
 Concen: 52.514 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.9	28.5	42.7#
58	81.8	62.5	93.7

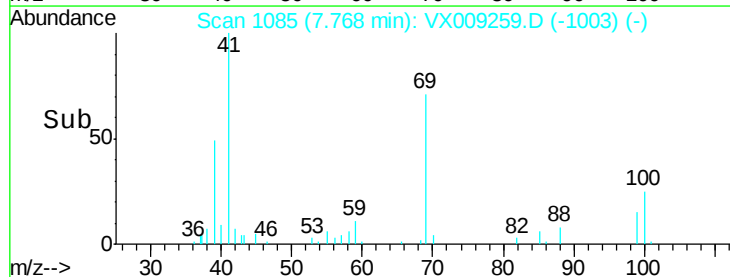
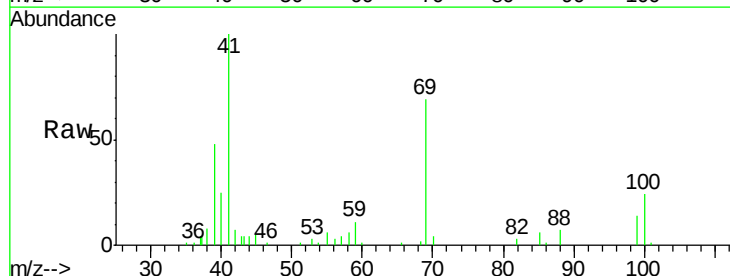
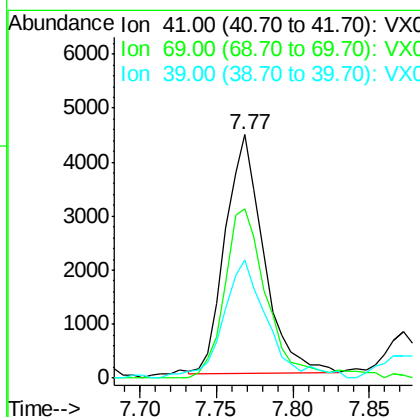
Manual Integrations
 APPROVED

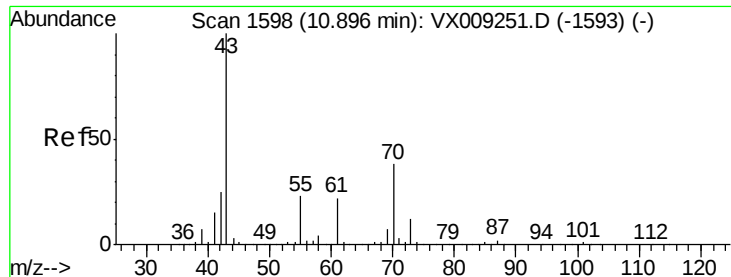
MMDadoda
 5/2/2019 10:53:36 AM



#46
 Methyl methacrylate
 Concen: 2.244 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

Tgt Ion	Ratio	Lower	Upper
41	100		
69	71.1	37.6	112.8
39	46.7	25.8	77.3





#47

n-amvl Acetate

Concen: 2.285 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 43 Resp: 14140

Ion Ratio Lower Upper

43 100

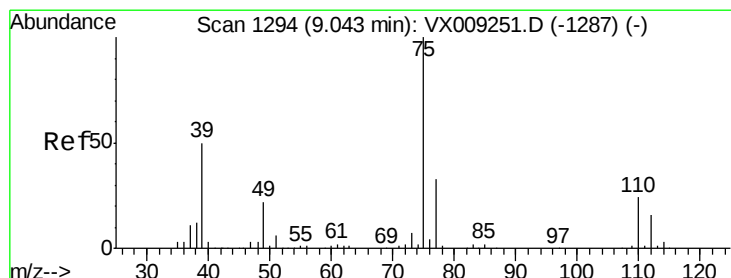
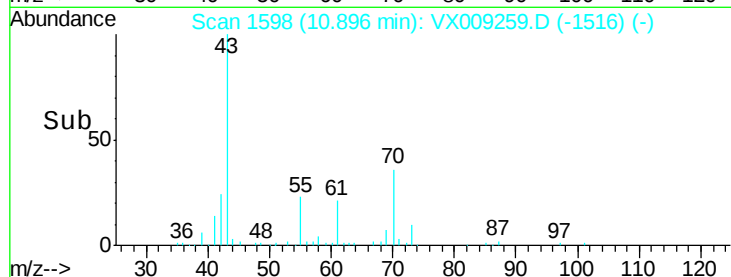
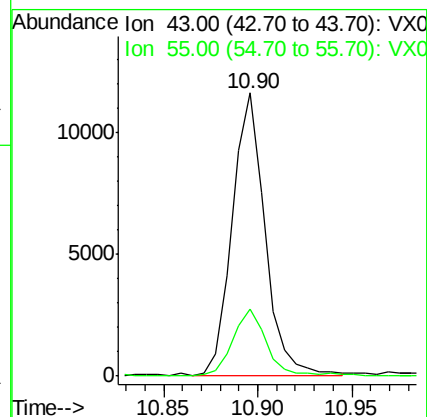
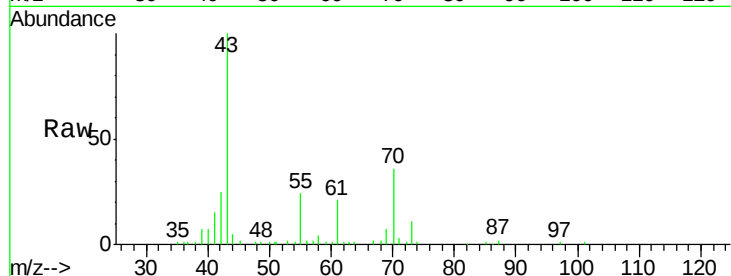
55 23.8 18.2 27.4

Manual Integrations

APPROVED

MMDadoda

5/2/2019 10:53:36 AM



#48

t-1,3-Dichloropropene

Concen: 2.240 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX009259.D

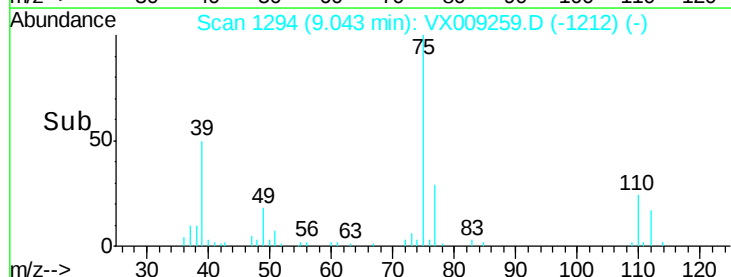
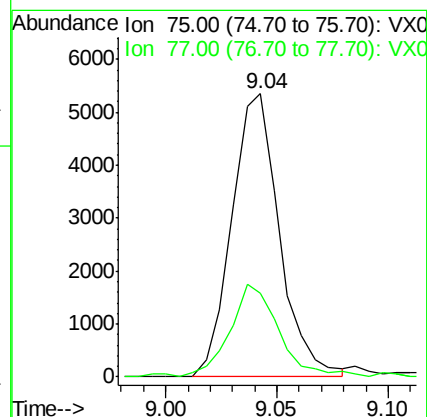
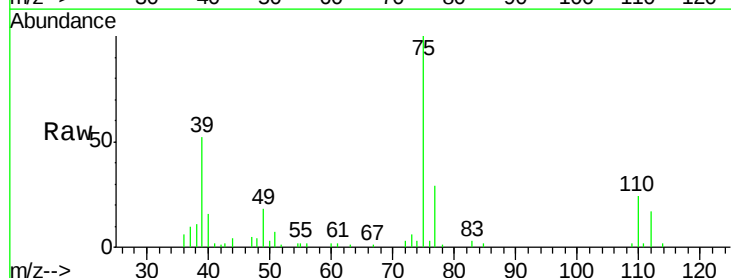
Acq: 01 May 2019 17:14

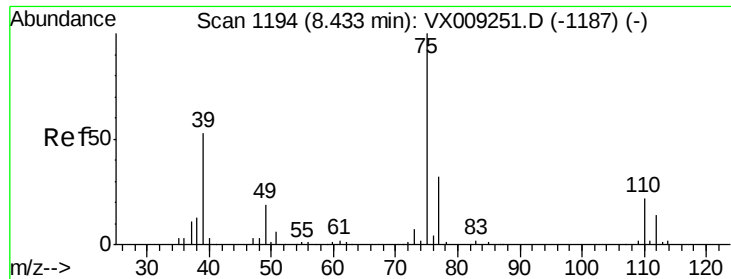
Tgt Ion: 75 Resp: 7971

Ion Ratio Lower Upper

75 100

77 27.8 26.5 39.7





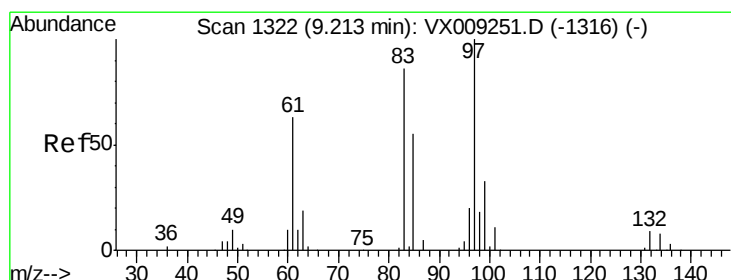
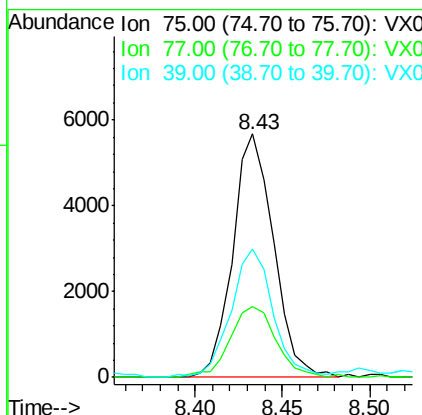
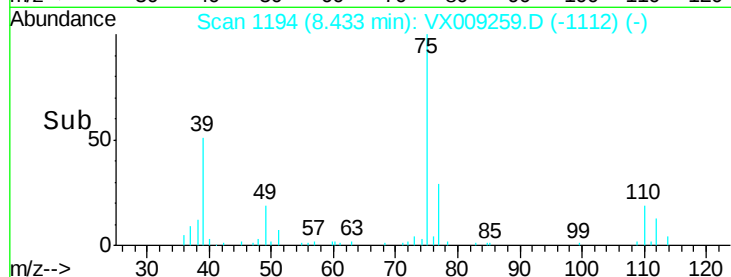
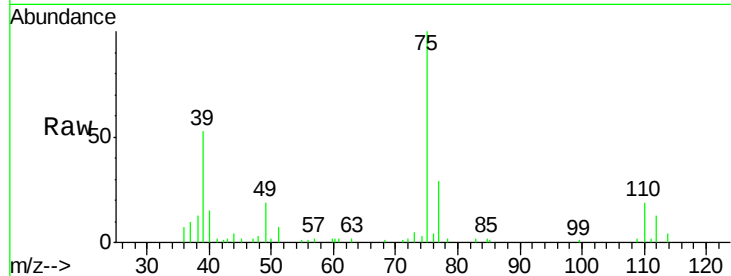
#49
 cis-1,3-Dichloropropene
 Concen: 2.368 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion:	75	Resp:	9253
Ion	Ratio	Lower	Upper
75	100		
77	27.9	26.0	39.0
39	52.0	42.6	63.8

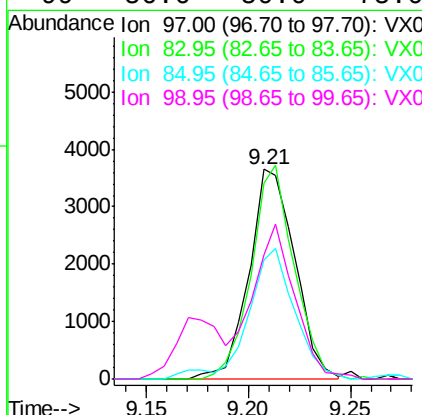
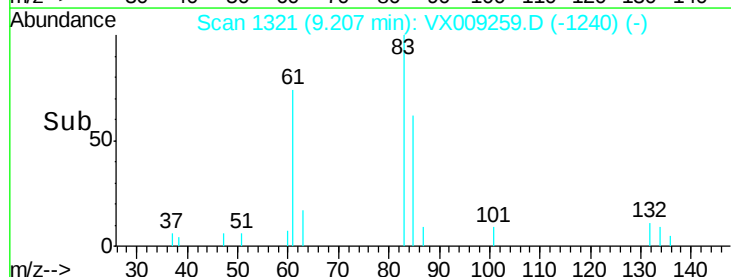
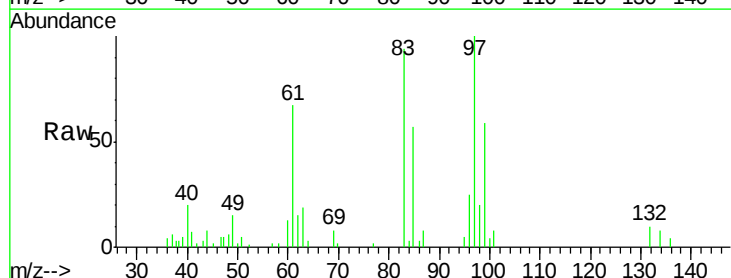
Manual Integrations
 APPROVED

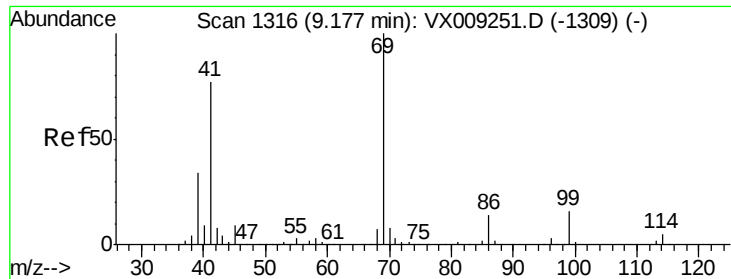
MMDadoda
 5/2/2019 10:53:36 AM



#50
 1,1,2-Trichloroethane
 Concen: 2.495 ug/l
 RT: 9.21 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

Tgt Ion:	97	Resp:	5708
Ion	Ratio	Lower	Upper
97	100		
83	93.6	68.8	103.2
85	55.5	45.8	68.6
99	56.6	50.0	75.0





#51

Ethyl methacrylate

Concen: 2.267 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

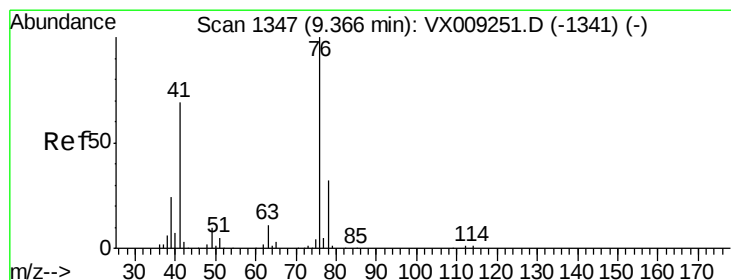
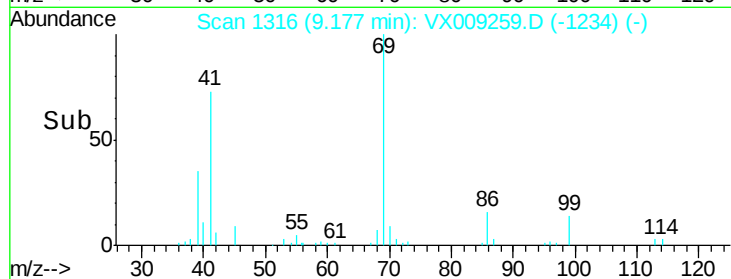
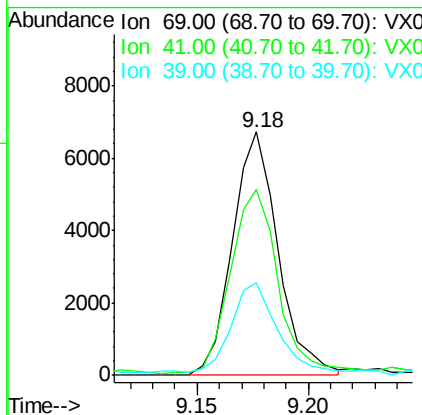
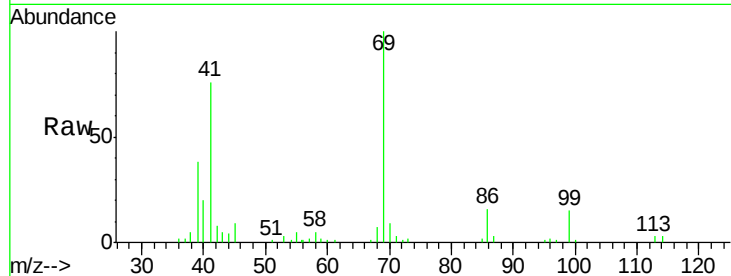
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	69	Resp:	9582
Ion	Ratio	Lower	Upper
69	100		
41	74.9	38.4	115.2
39	36.7	17.2	51.5

Manual Integrations
APPROVED

MMDadoda
5/2/2019 10:53:36 AM



#52

1,3-Dichloropropane

Concen: 2.575 ug/l

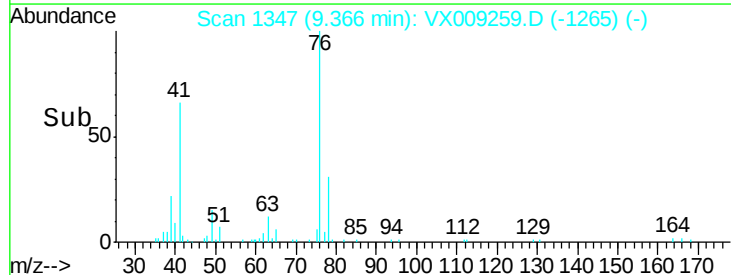
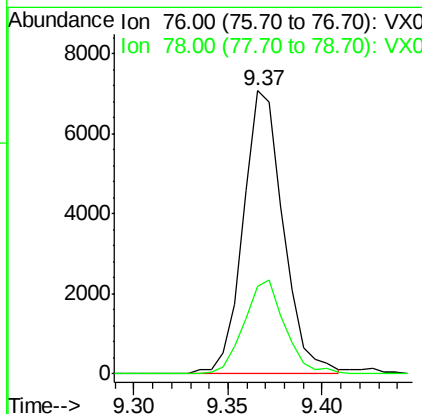
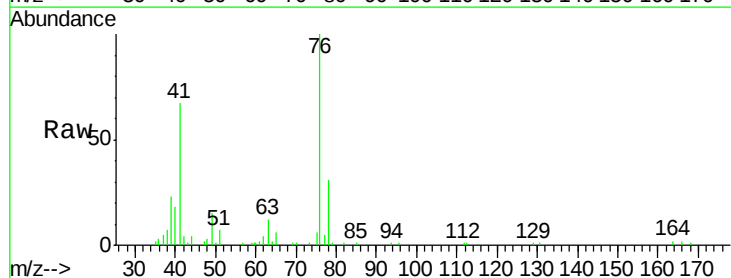
RT: 9.37 min Scan# 1347

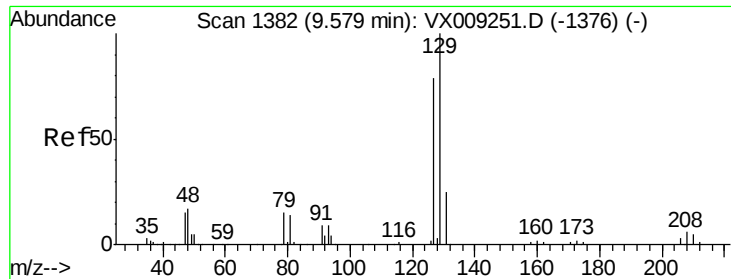
Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Tgt Ion:	76	Resp:	10455
Ion	Ratio	Lower	Upper
76	100		
78	33.7	0.0	64.2





#53

Dibromochloromethane

Concen: 2.374 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:129 Resp: 5409

Ion Ratio Lower Upper

129 100

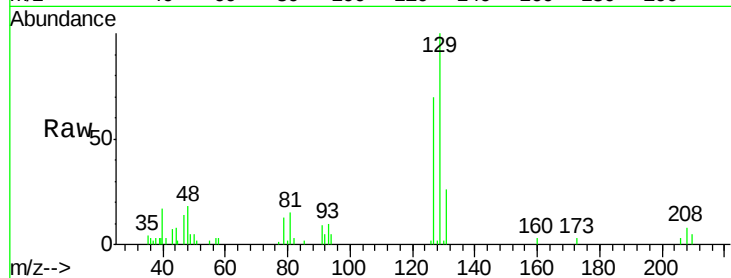
127 73.1 39.1 117.5

Manual Integrations

APPROVED

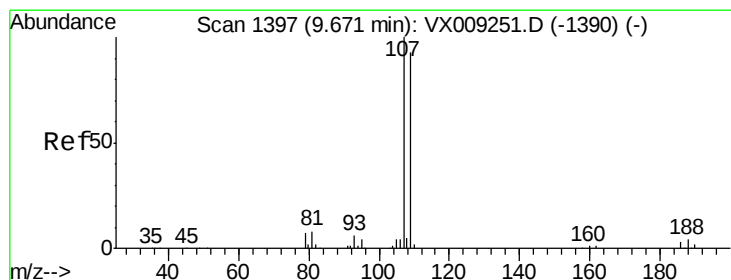
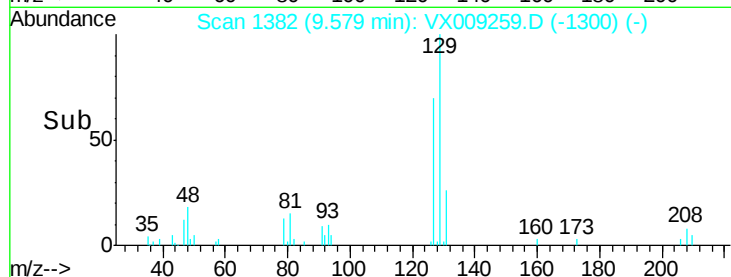
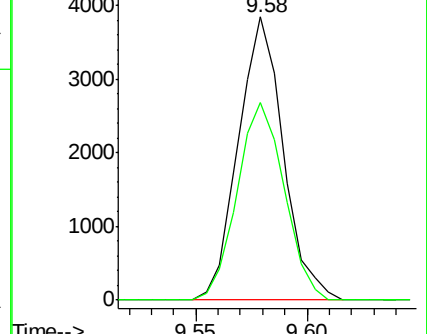
MMDadoda

5/2/2019 10:53:36 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 2.457 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009259.D

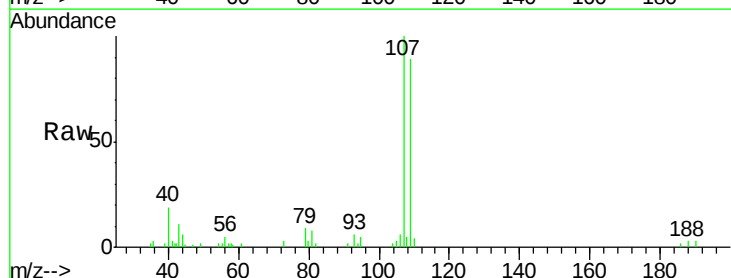
Acq: 01 May 2019 17:14

Tgt Ion:107 Resp: 5766

Ion Ratio Lower Upper

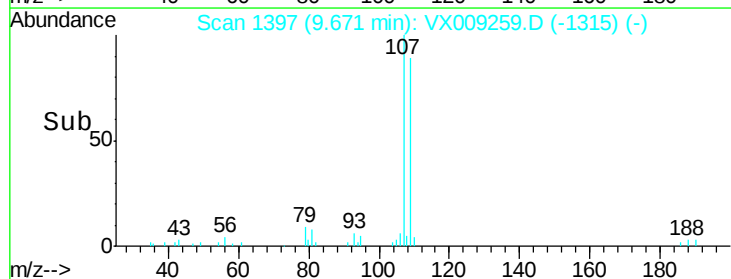
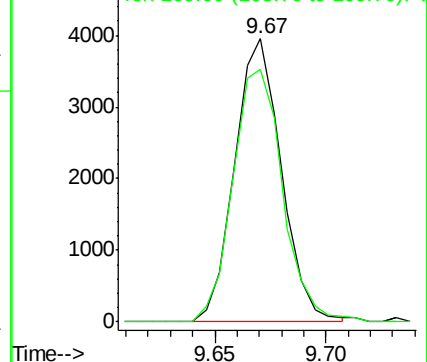
107 100

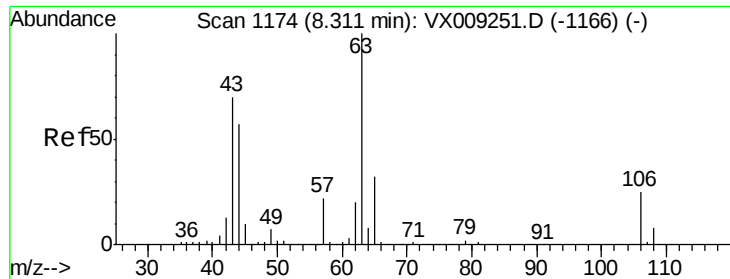
109 95.4 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





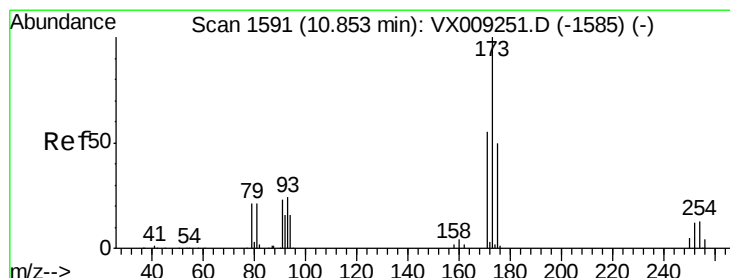
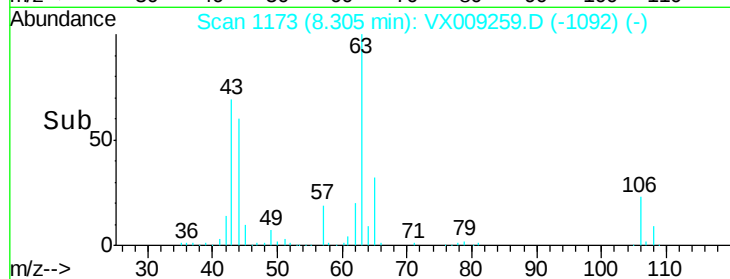
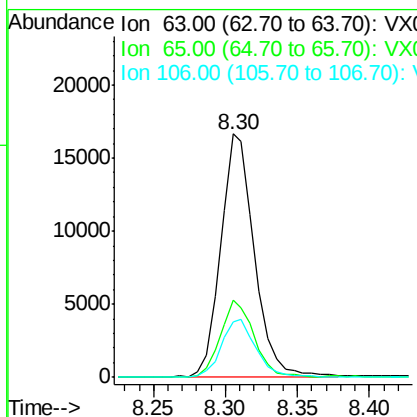
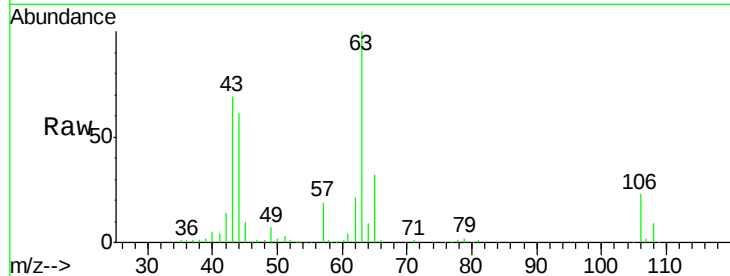
#55
2-Chloroethyl vinyl ether
Concen: 12.103 ug/l
RT: 8.30 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.8	38.6
106	24.7	19.8	29.6

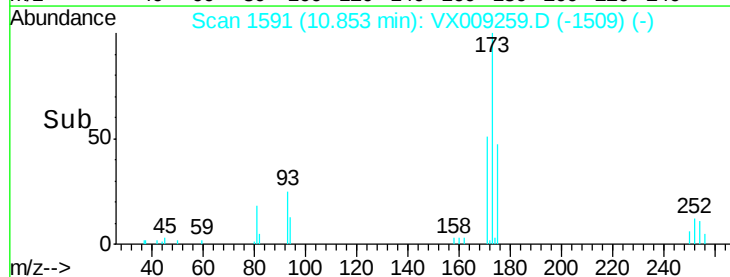
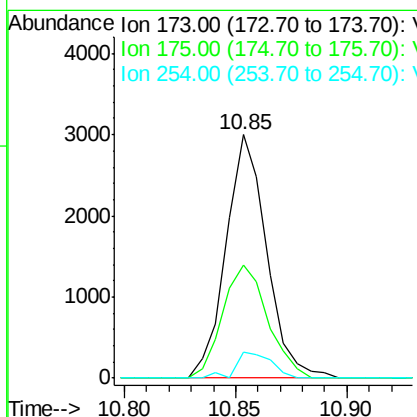
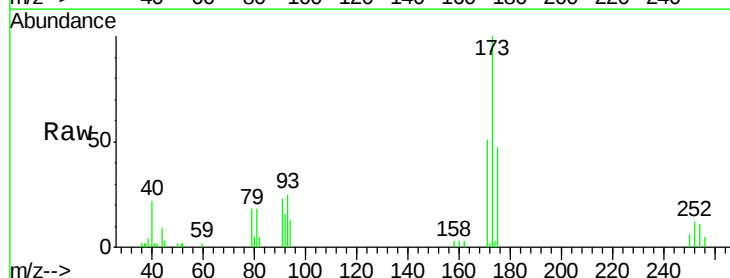
Manual Integrations
APPROVED

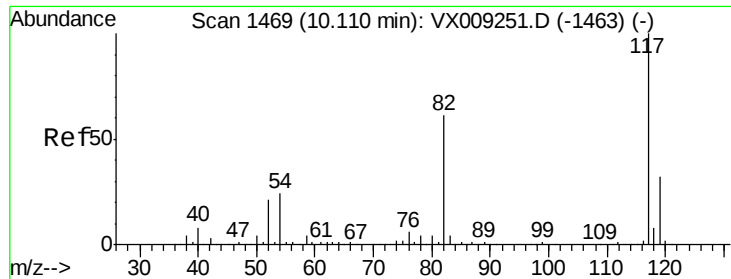
MMDadoda
5/2/2019 10:53:36 AM



#56
Bromoform
Concen: 2.179 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Tgt Ion	Ratio	Lower	Upper
173	100		
175	51.2	39.4	59.2
254	8.6	9.9	14.9





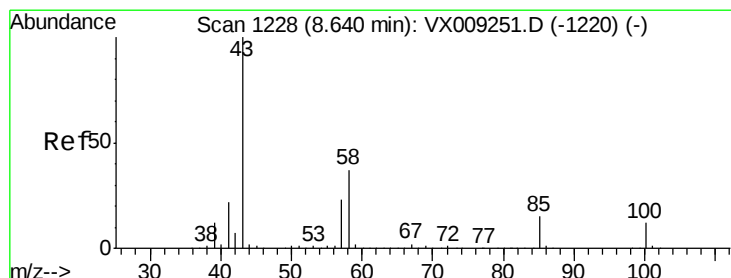
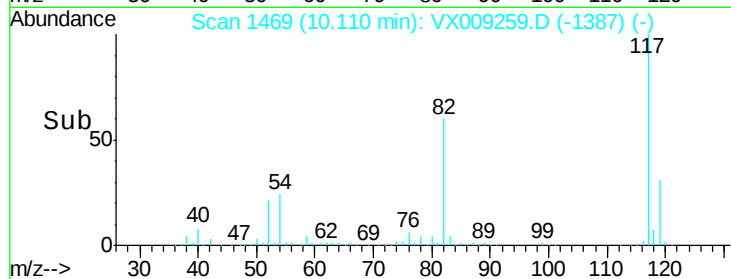
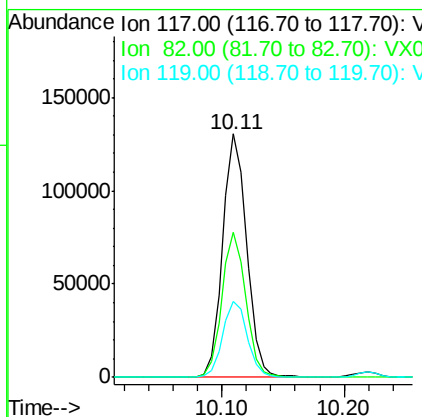
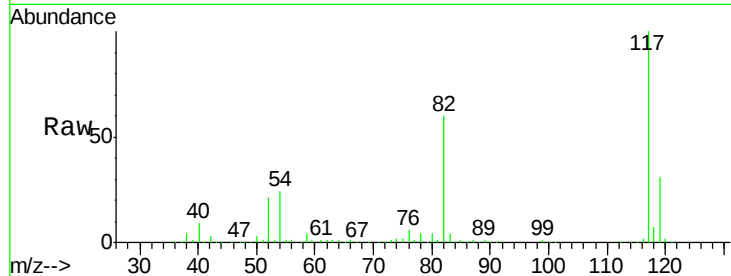
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.2	47.8	71.8
119	31.9	25.6	38.4

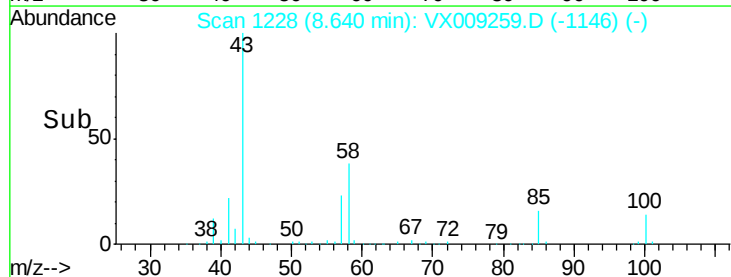
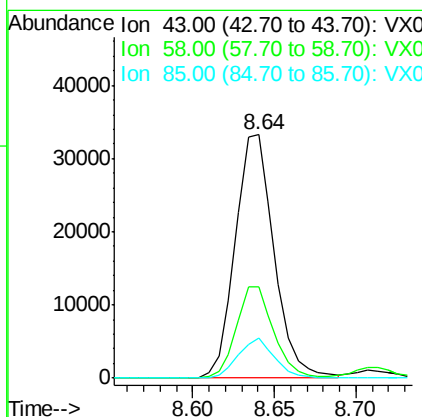
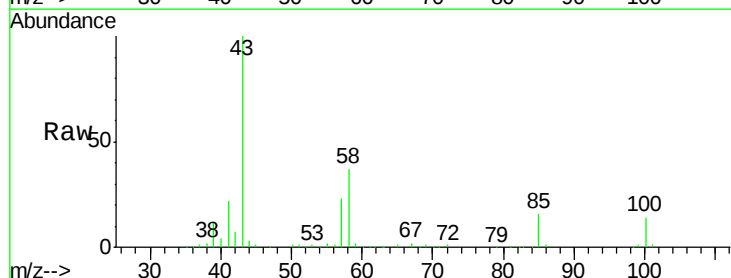
Manual Integrations
APPROVED

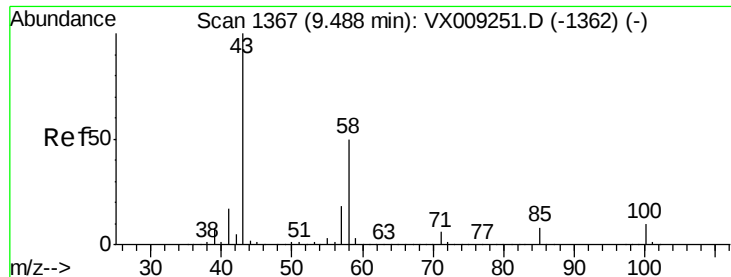
MMDadoda
5/2/2019 10:53:36 AM



#58
4-Methyl-2-Pentanone
Concen: 12.563 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.4	44.0
85	15.4	11.8	17.8





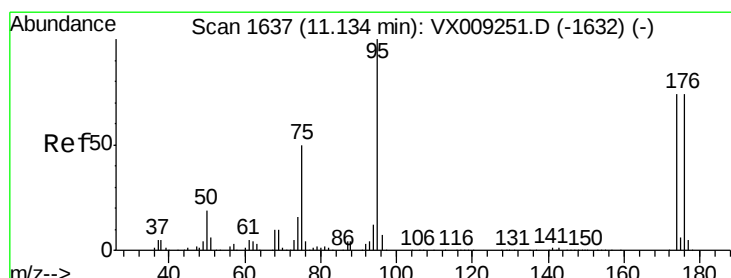
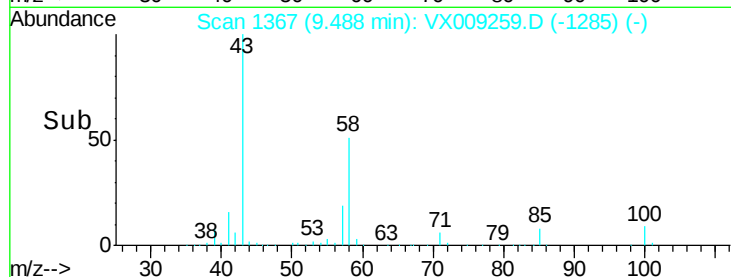
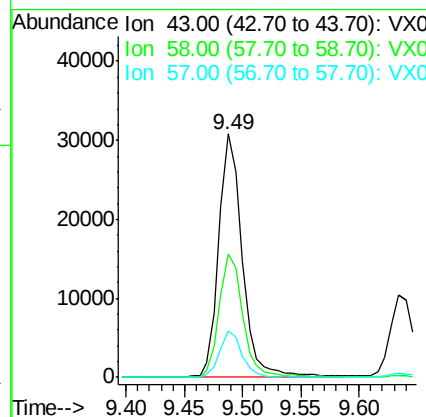
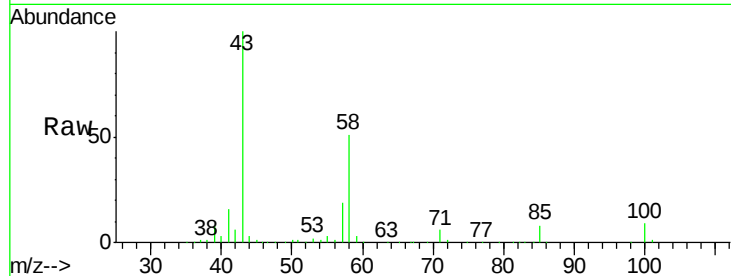
#59
2-Hexanone
Concen: 12.358 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.8	40.8	61.2
57	18.3	14.1	21.1

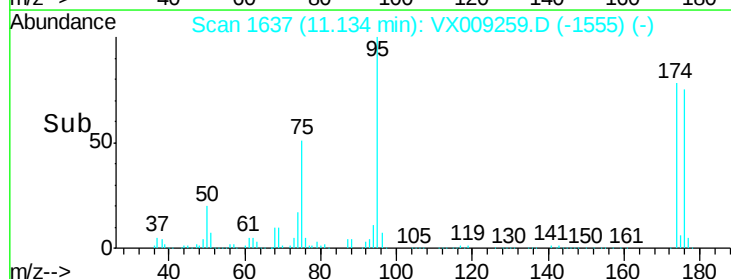
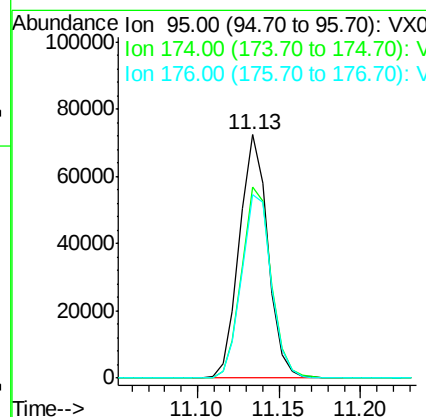
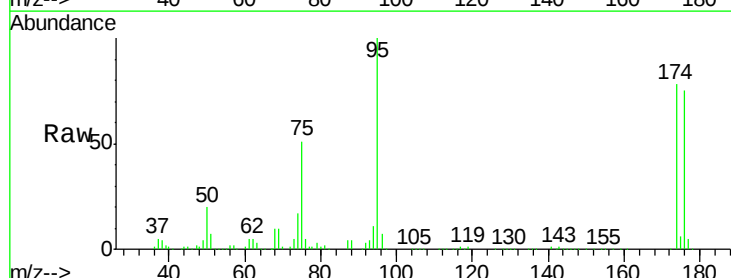
Manual Integrations
APPROVED

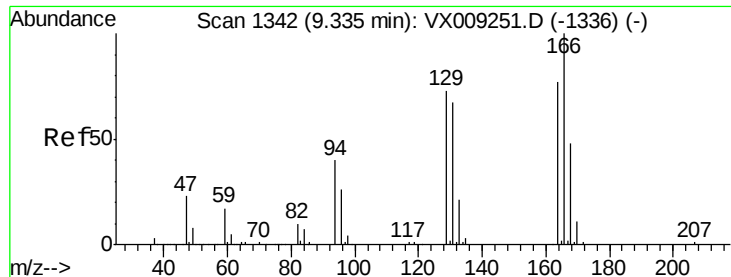
MMDadoda
5/2/2019 10:53:36 AM



#60
4-Bromofluorobenzene
Concen: 29.214 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.1	63.6	95.4
176	79.2	62.4	93.6





#61

Tetrachloroethene

Concen: 2.759 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:164 Resp: 5402

Ion Ratio Lower Upper

164 100

166 123.4 104.1 156.1

129 92.2 76.0 114.0

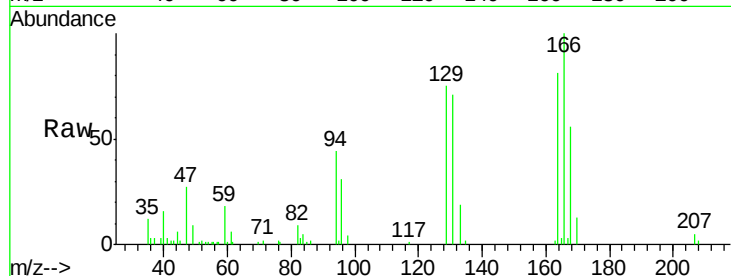
131 87.3 70.1 105.1

Manual Integrations

APPROVED

MMDadoda

5/2/2019 10:53:36 AM

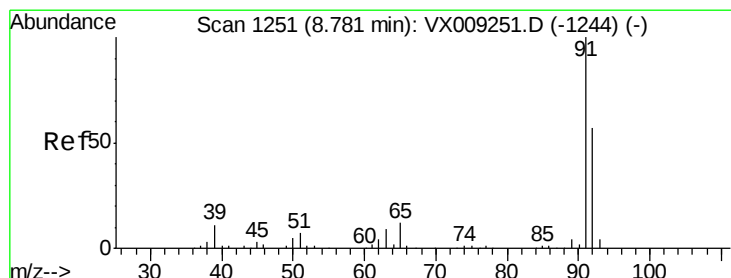
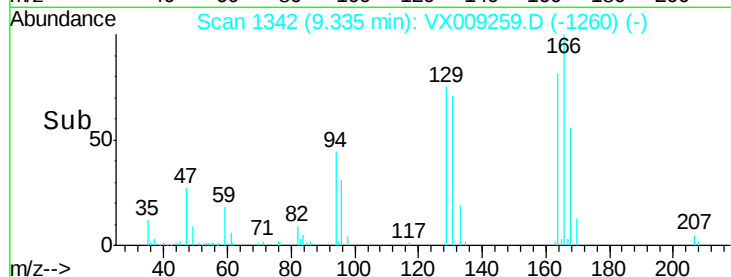
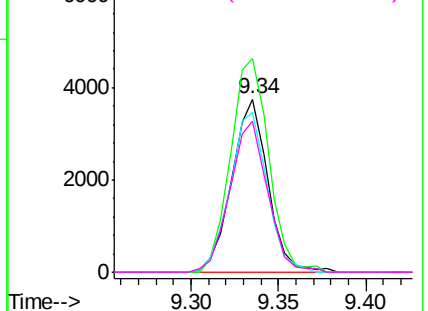


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 2.580 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX009259.D

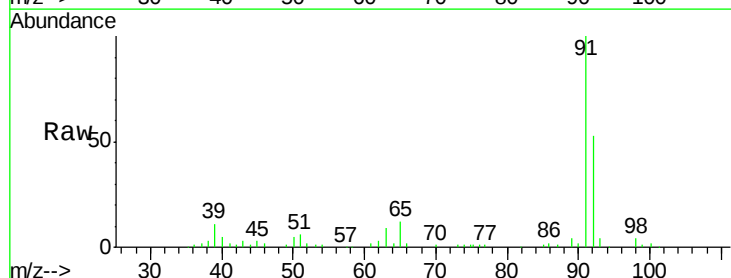
Acq: 01 May 2019 17:14

Tgt Ion: 91 Resp: 24486

Ion Ratio Lower Upper

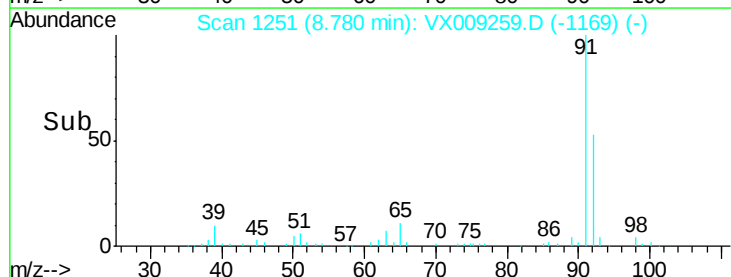
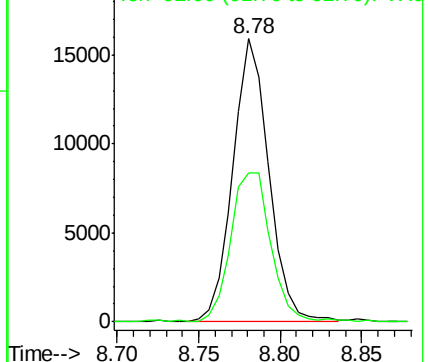
91 100

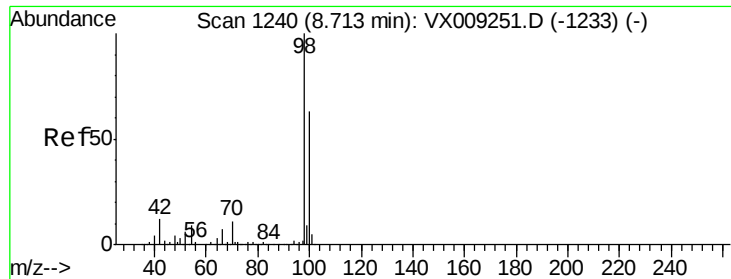
92 59.0 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





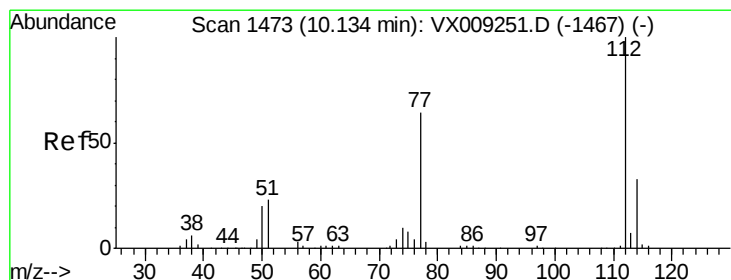
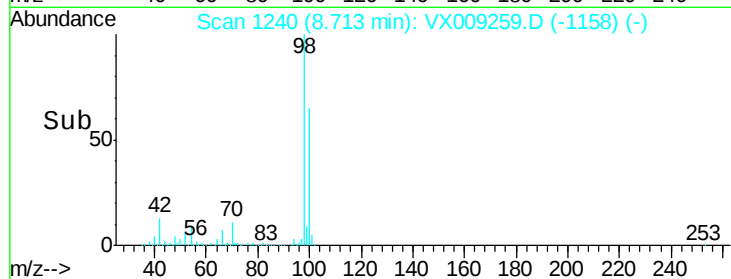
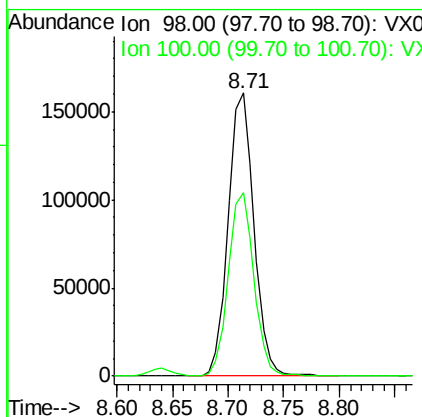
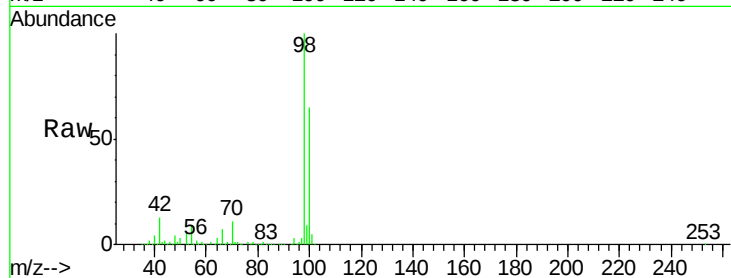
#63
Toluene-d8
Concen: 30.620 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 98 Resp: 257830
Ion Ratio Lower Upper
98 100
100 64.4 52.3 78.5

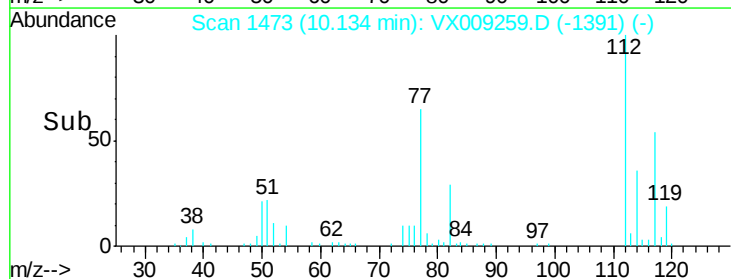
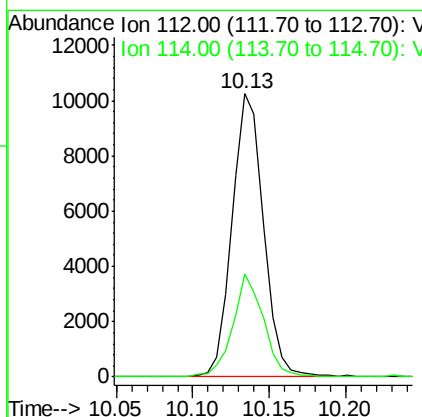
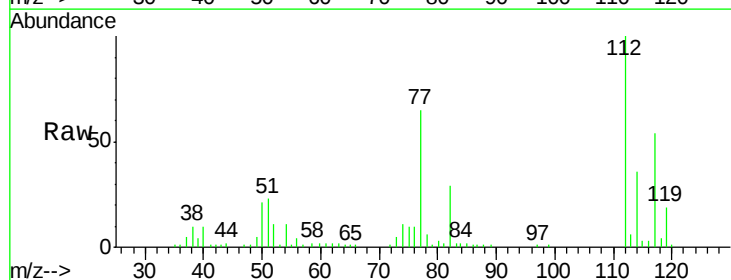
Manual Integrations
APPROVED

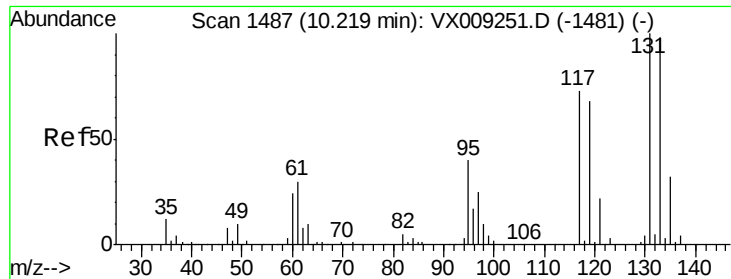
MMDadoda
5/2/2019 10:53:36 AM



#64
Chlorobenzene
Concen: 2.556 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Tgt Ion: 112 Resp: 14598
Ion Ratio Lower Upper
112 100
114 36.2 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 2.515 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

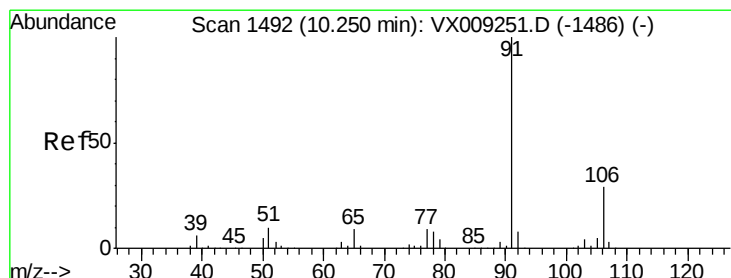
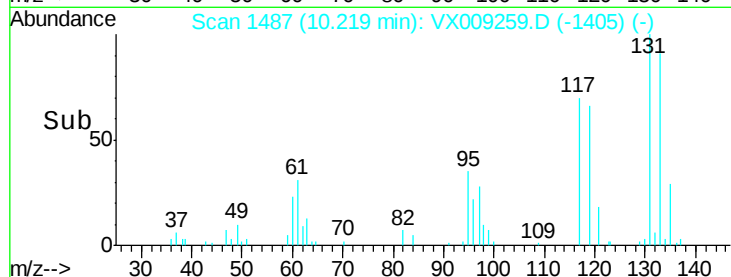
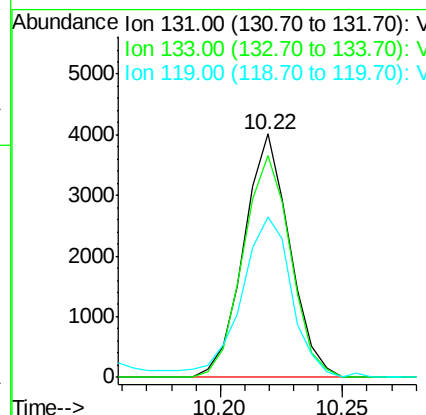
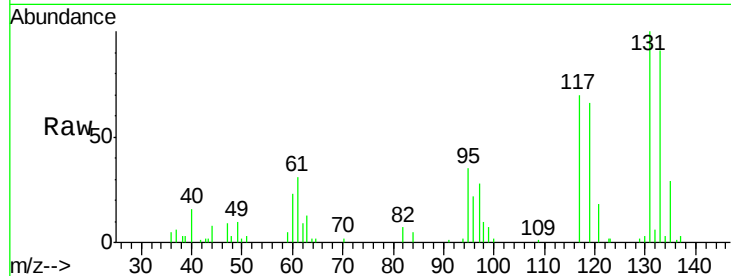
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.0	0.0	191.2
119	71.8	0.0	135.4

Manual Integrations
APPROVED

MMDadoda
5/2/2019 10:53:36 AM



#66

Ethyl Benzene

Concen: 2.590 ug/l

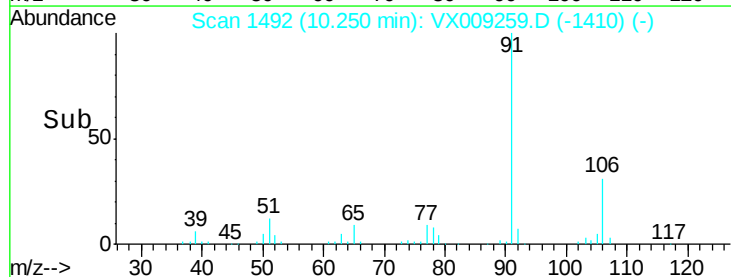
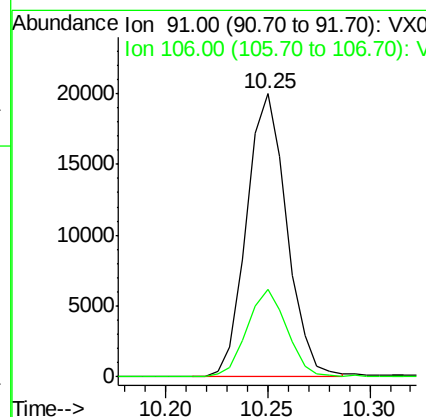
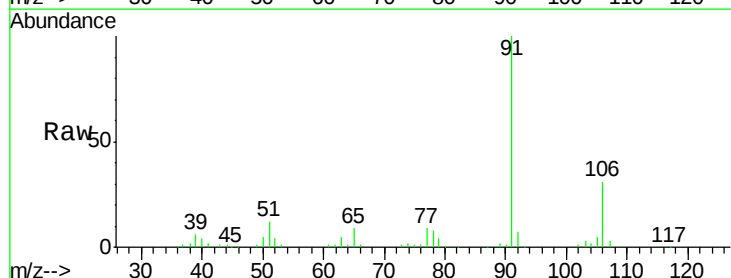
RT: 10.25 min Scan# 1492

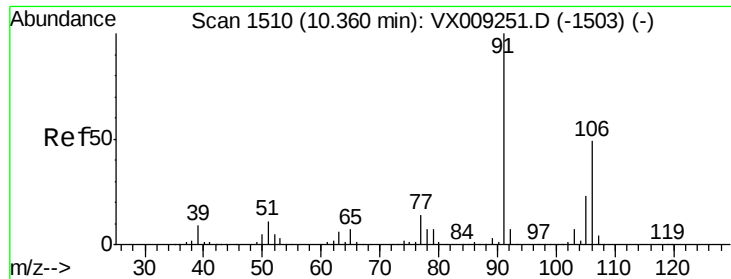
Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.5	35.3





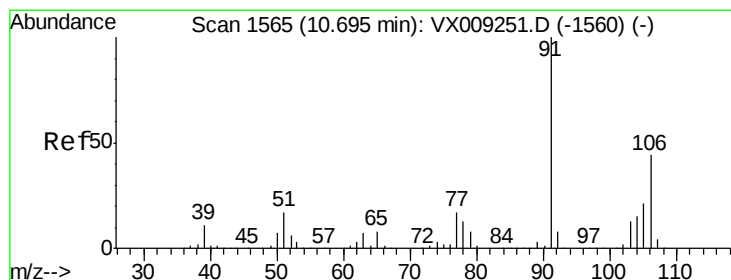
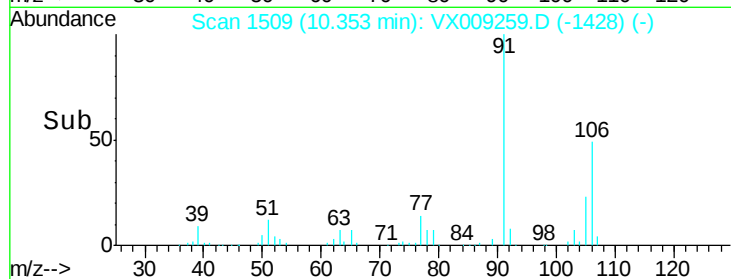
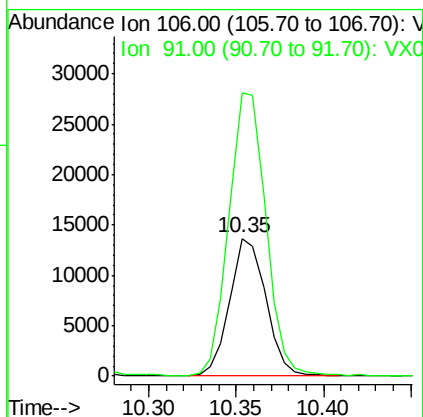
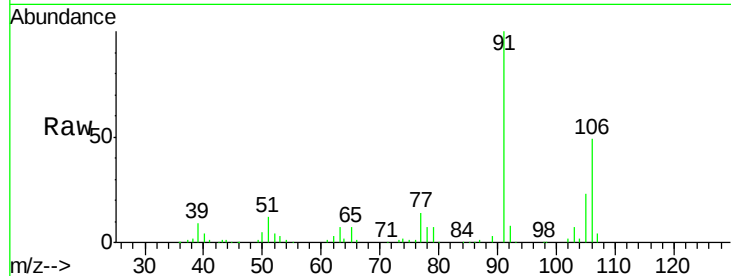
#67
m/p-Xvlenes
Concen: 5.163 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion:106 Resp: 19930
Ion Ratio Lower Upper
106 100
91 206.5 166.8 250.2

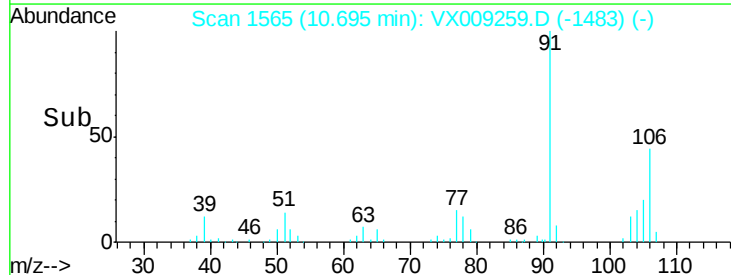
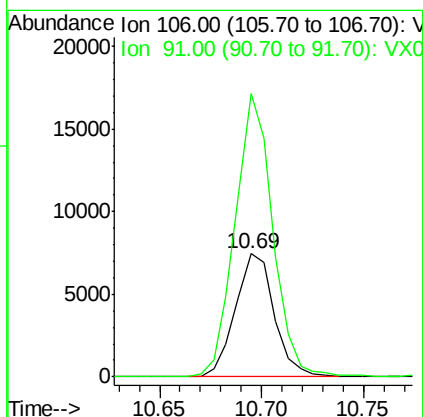
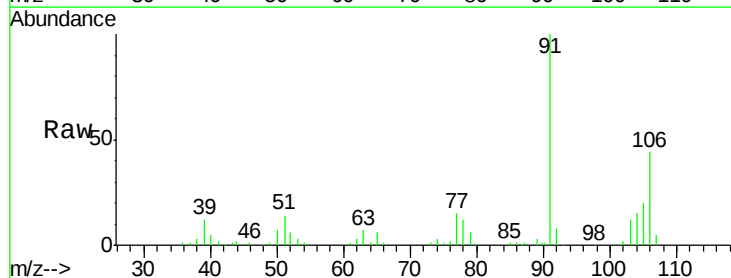
Manual Integrations
APPROVED

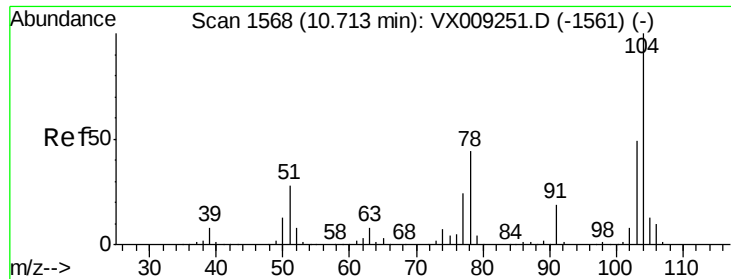
MMDadoda
5/2/2019 10:53:36 AM



#68
o-Xylene
Concen: 2.598 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Tgt Ion:106 Resp: 9861
Ion Ratio Lower Upper
106 100
91 221.4 110.8 332.3





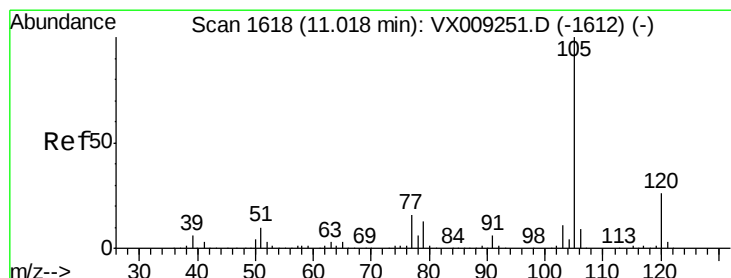
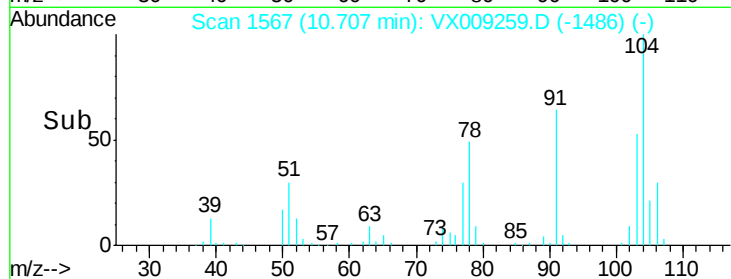
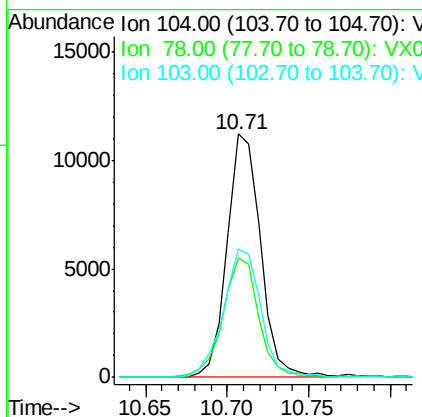
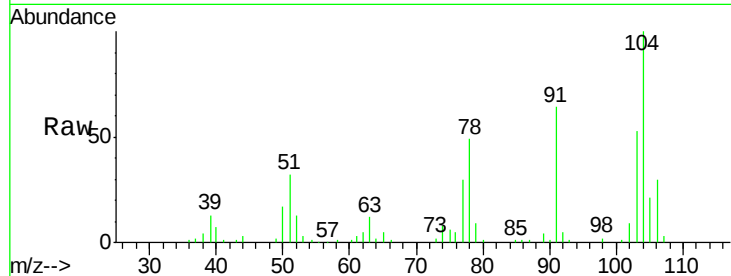
#69
Stvrene
Concen: 2.415 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
104	100	16090		
78	52.6		41.1	61.7
103	57.9		43.8	65.8

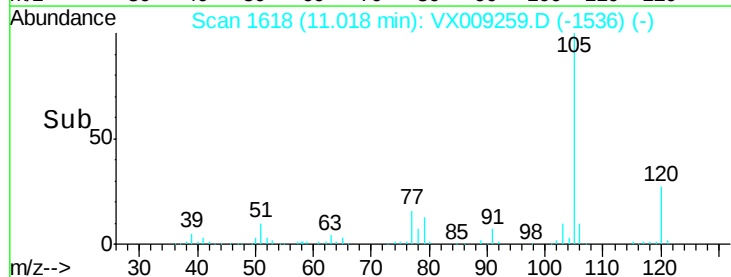
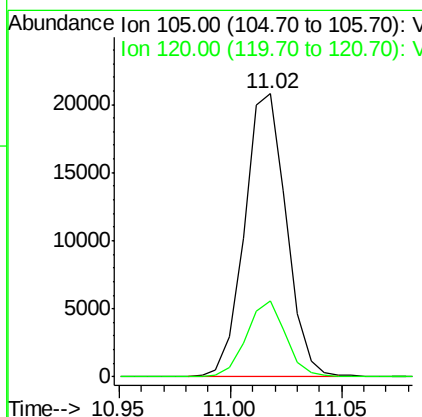
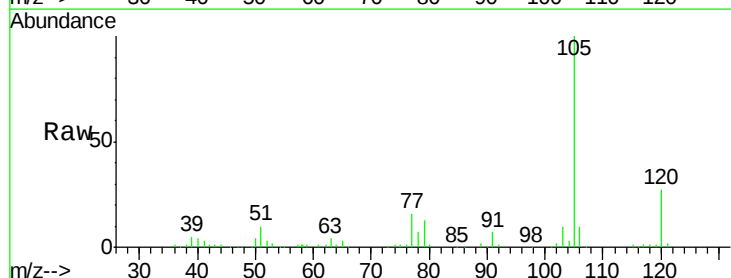
Manual Integrations
APPROVED

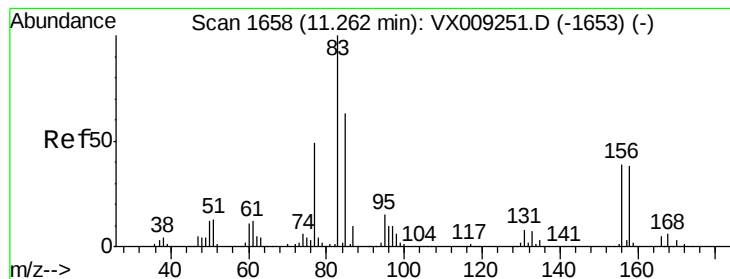
MMDadoda
5/2/2019 10:53:36 AM



#70
Isopropylbenzene
Concen: 2.667 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	27221		
120	25.1		18.1	33.7





#71

1,1,2,2-Tetrachloroethane

Concen: 2.545 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

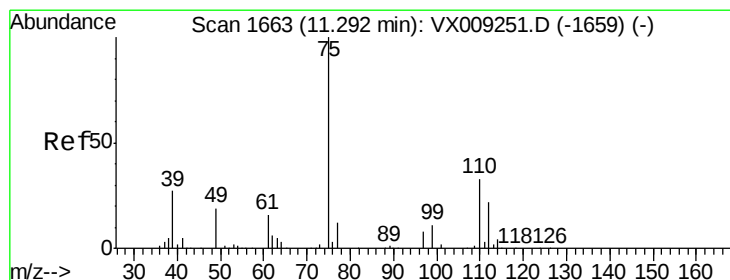
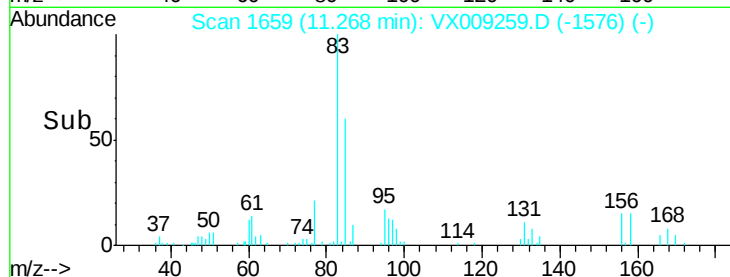
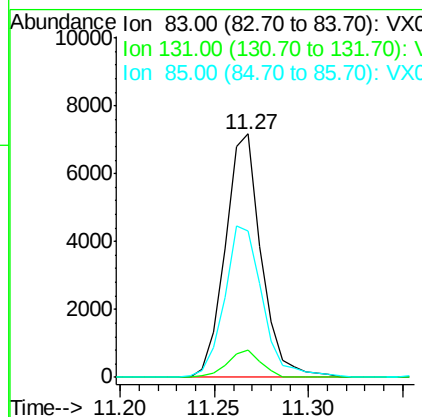
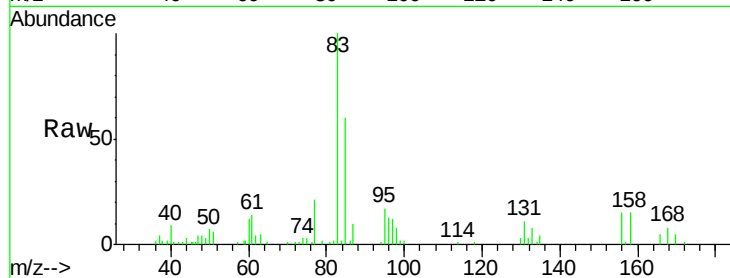
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	83	Resp:	9515
Ion	Ratio	Lower	Upper
83	100		
131	10.4	4.7	14.0
85	66.4	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
5/2/2019 10:53:36 AM



#72

1,2,3-Trichloropropane

Concen: 2.552 ug/l m

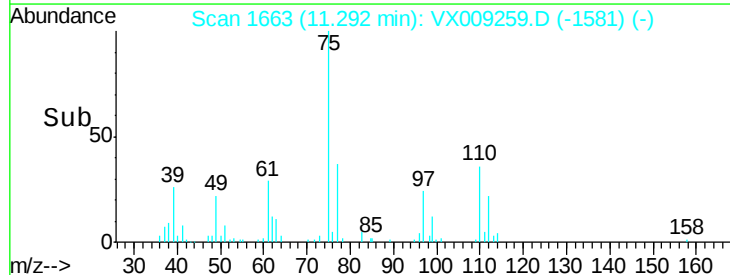
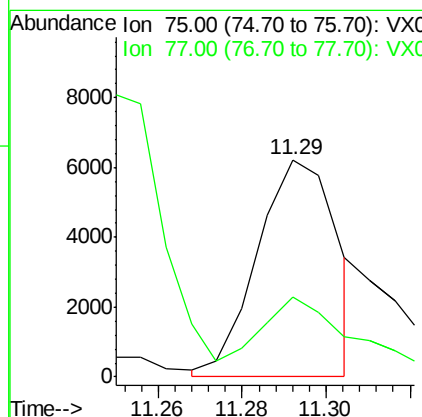
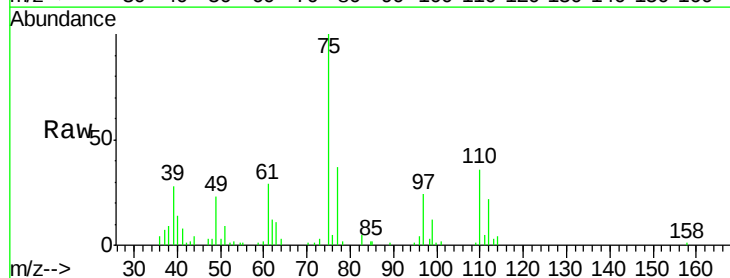
RT: 11.29 min Scan# 1663

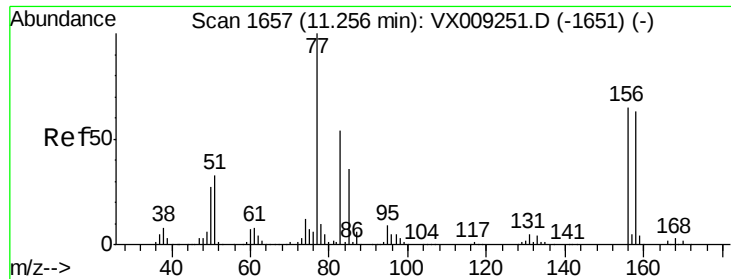
Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Tgt Ion:	75	Resp:	8221
Ion	Ratio	Lower	Upper
75	100		
77	46.6	0.0	86.4





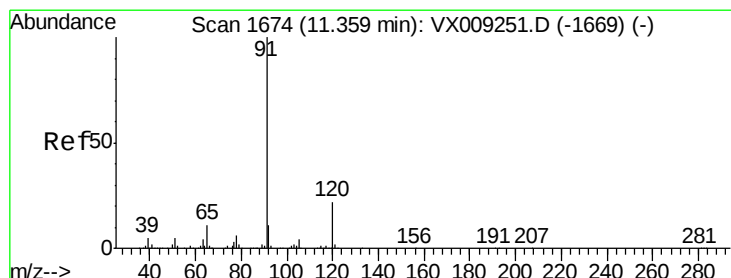
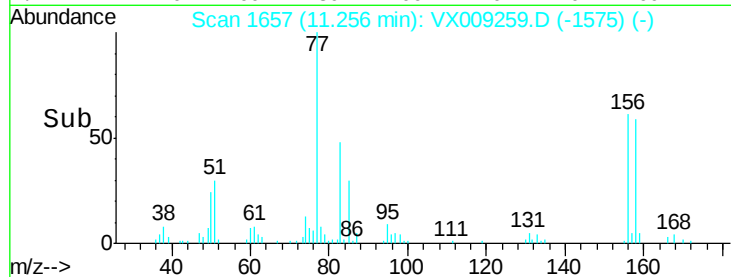
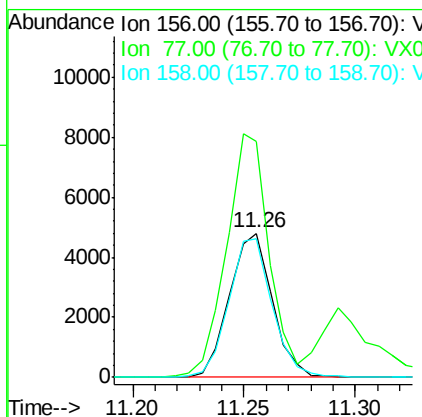
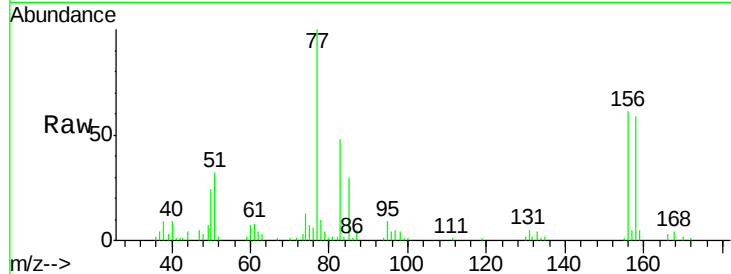
#73
Bromobenzene
Concen: 2.555 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
156	100		
77	167.6	0.0	335.6
158	97.6	0.0	191.2

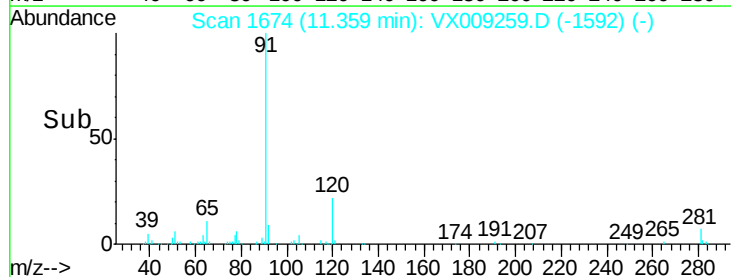
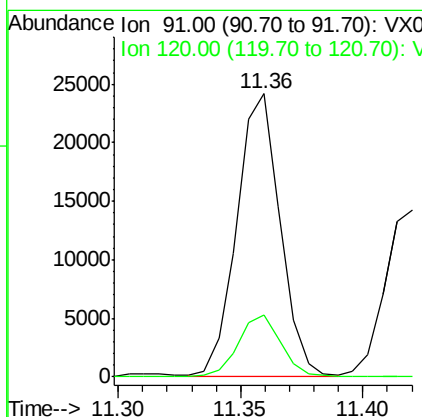
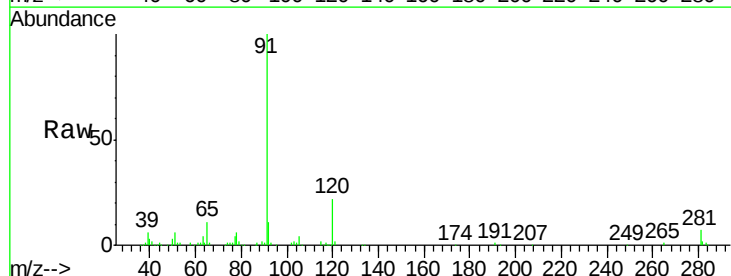
Manual Integrations
APPROVED

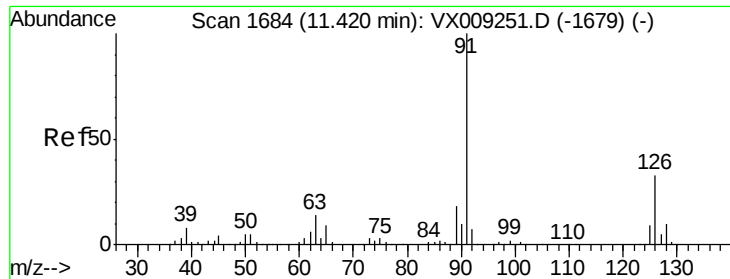
MMDadoda
5/2/2019 10:53:36 AM



#74
n-propylbenzene
Concen: 2.524 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	0.0	43.4





#75

2-Chlorotoluene

Concen: 2.645 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 91 Resp: 18767

Ion Ratio Lower Upper

91 100

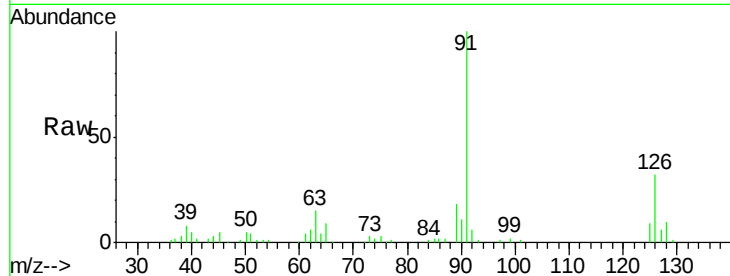
126 33.1 0.0 64.0

Manual Integrations

APPROVED

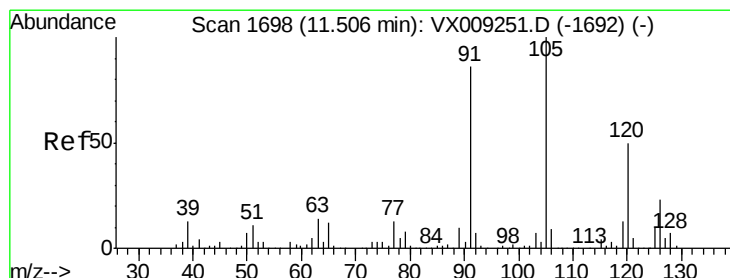
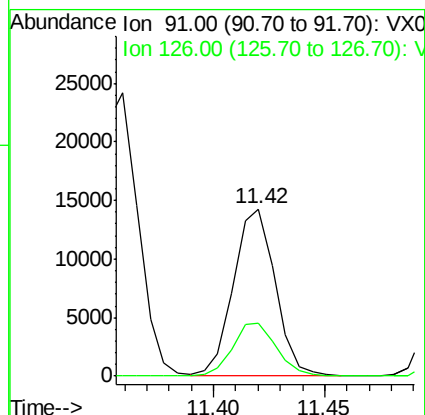
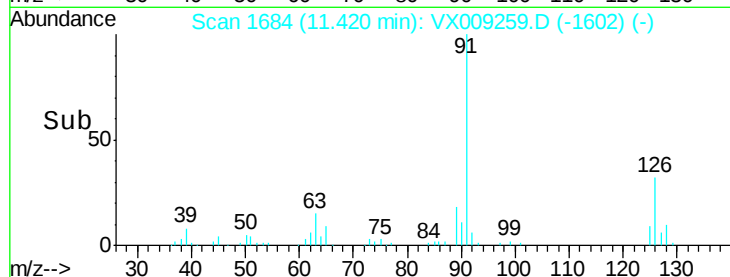
MMDadoda

5/2/2019 10:53:36 AM



Abundance Ion 91.00 (90.70 to 91.70): VX009251.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX009251.D (-1679) (-)



#76

1,3,5-Trimethylbenzene

Concen: 2.537 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009259.D

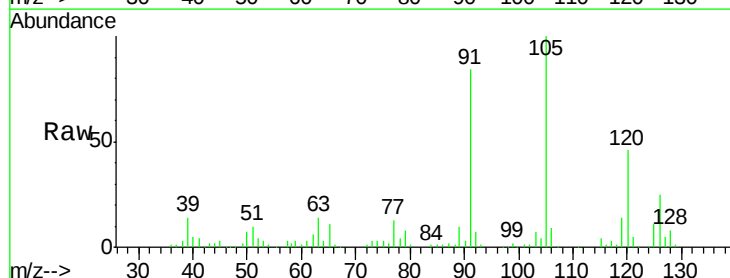
Acq: 01 May 2019 17:14

Tgt Ion: 105 Resp: 21940

Ion Ratio Lower Upper

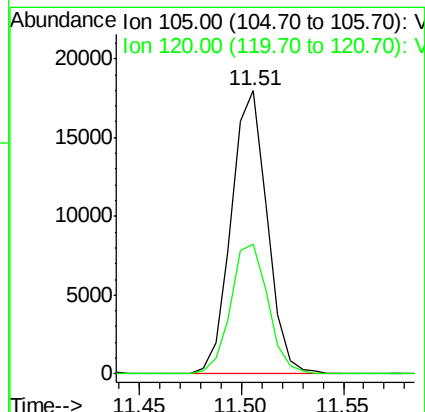
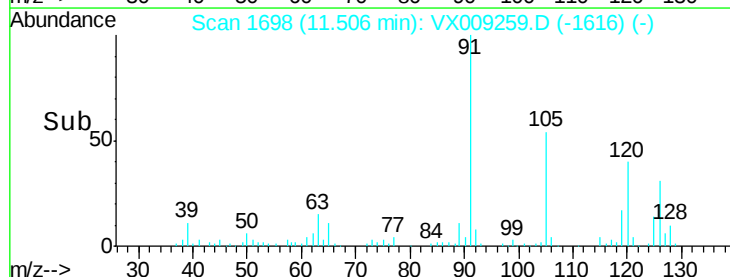
105 100

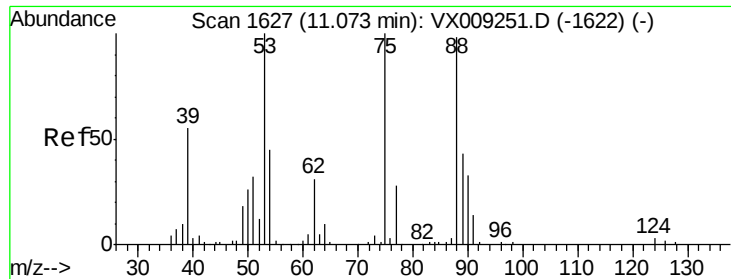
120 47.5 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VX009251.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009251.D (-1692) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 2.088 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

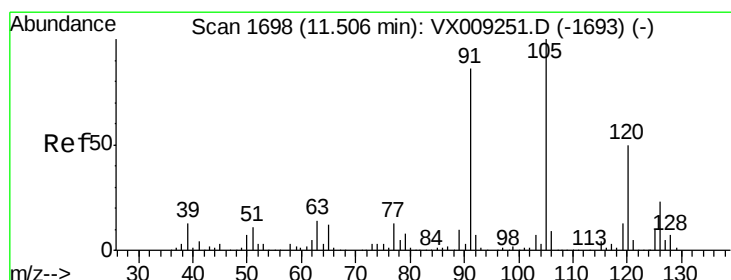
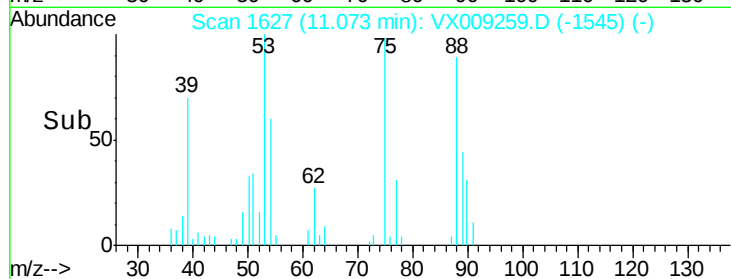
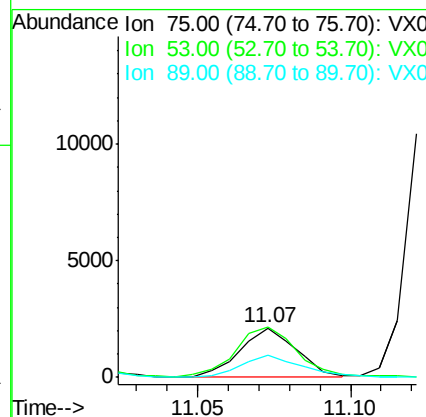
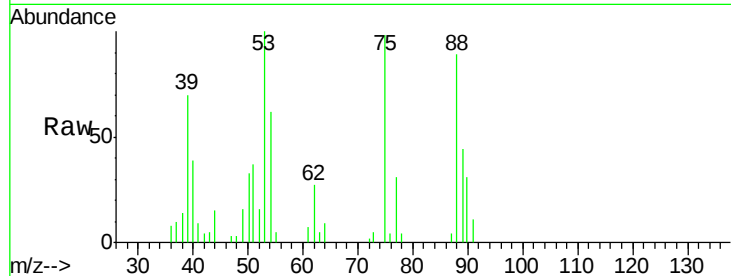
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	75	Resp:	2713
Ion	Ratio	Lower	Upper
75	100		
53	97.1	50.0	149.8
89	44.4	21.6	65.0

Manual Integrations
APPROVED

MMDadoda
5/2/2019 10:53:36 AM



#78

4-Chlorotoluene

Concen: 2.552 ug/l

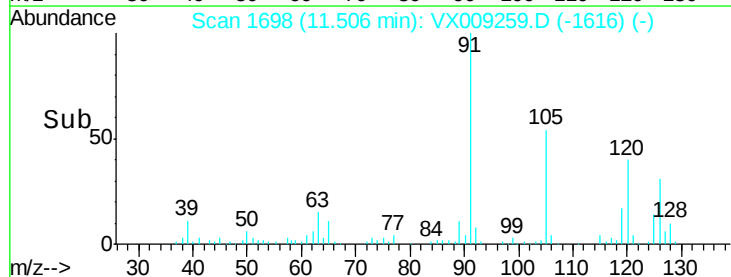
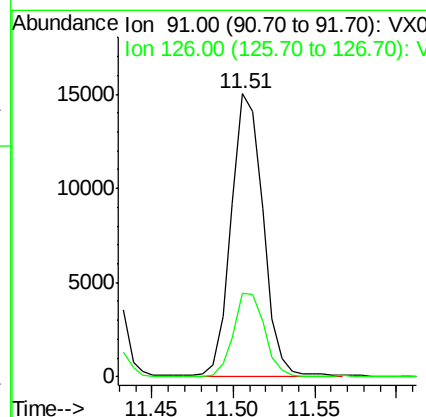
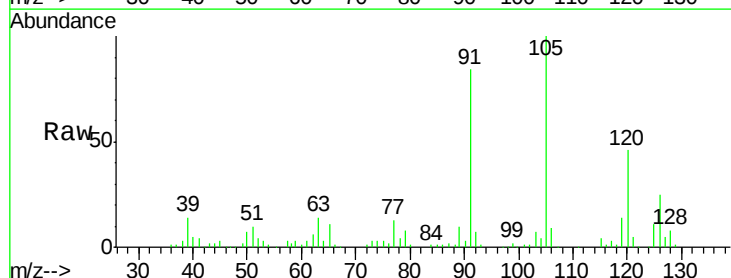
RT: 11.51 min Scan# 1698

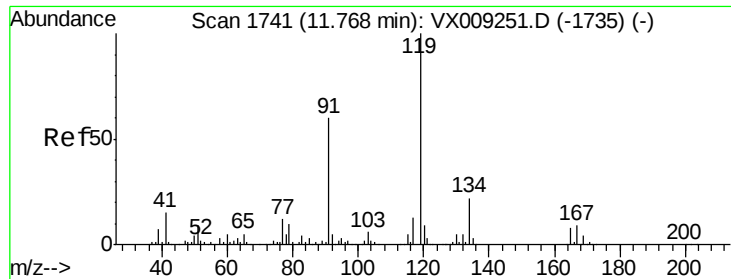
Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Tgt Ion:	91	Resp:	20566
Ion	Ratio	Lower	Upper
91	100		
126	28.6	0.0	57.0





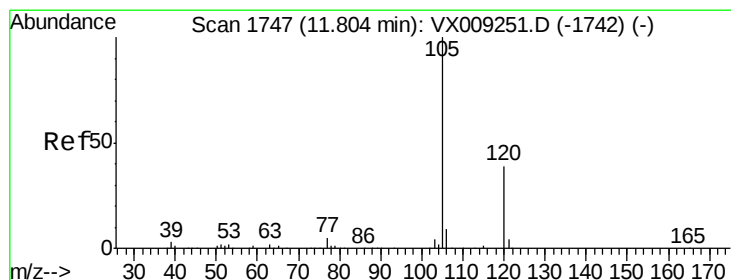
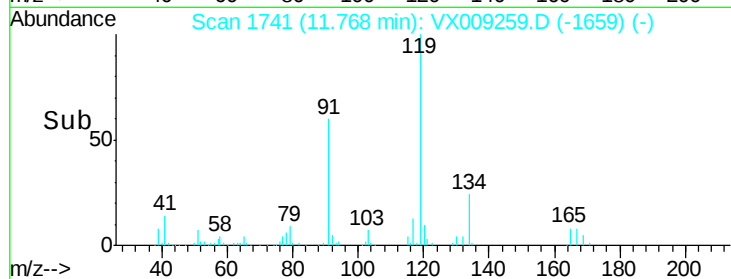
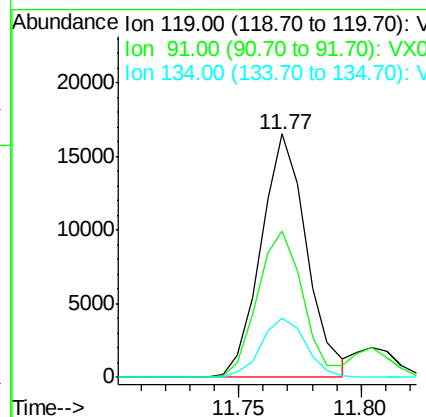
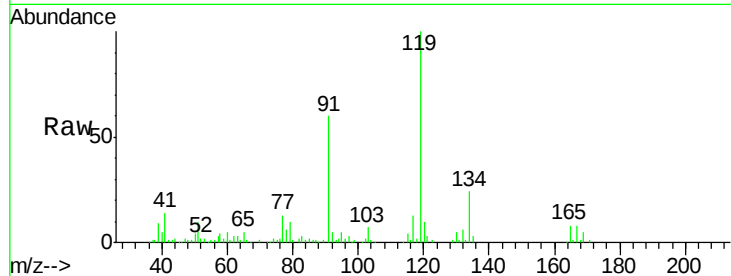
#79
tert-butylbenzene
Concen: 2.565 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
119	100	21442		
91	58.2	0.0	118.2	
134	24.0	0.0	45.0	

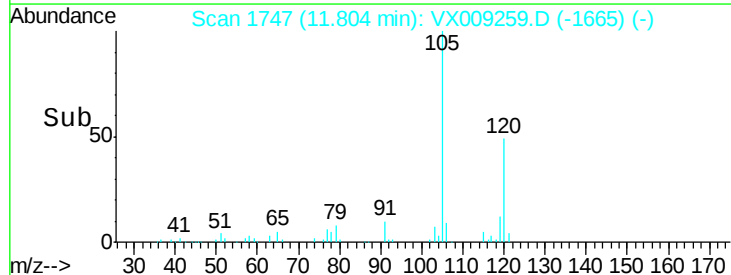
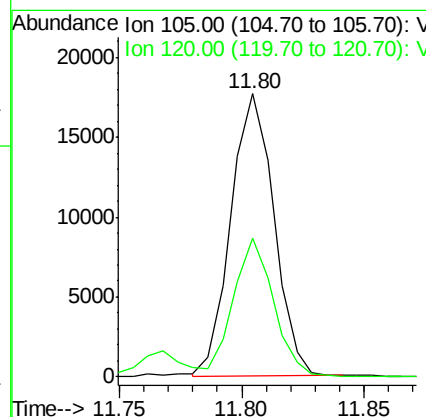
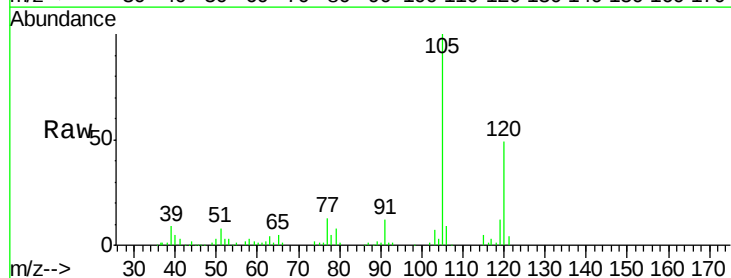
Manual Integrations
APPROVED

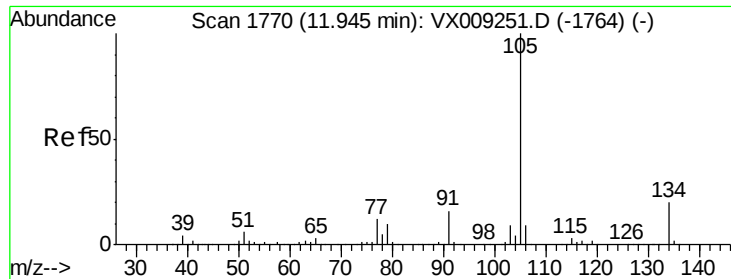
MMDadoda
5/2/2019 10:53:36 AM



#80
1,2,4-Trimethylbenzene
Concen: 2.498 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	21645		
120	45.8	0.0	89.6	





#81

sec-Butylbenzene

Concen: 2.560 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:105 Resp: 25419

Ion Ratio Lower Upper

105 100

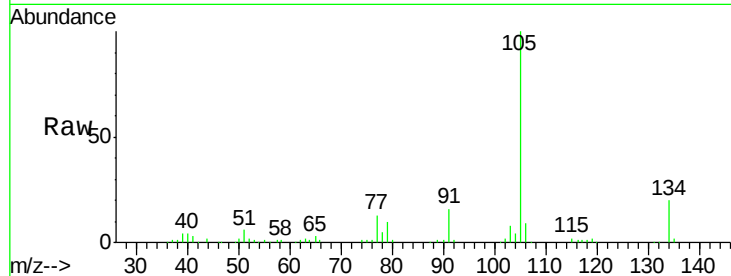
134 18.7 0.0 38.6

Manual Integrations

APPROVED

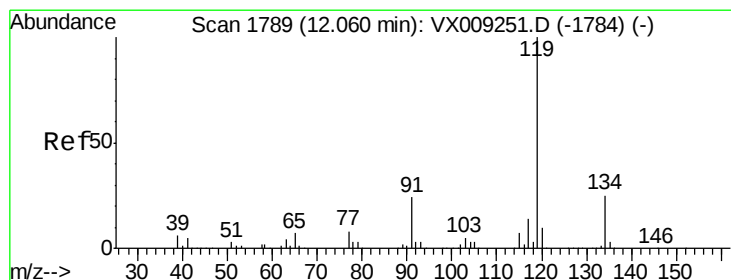
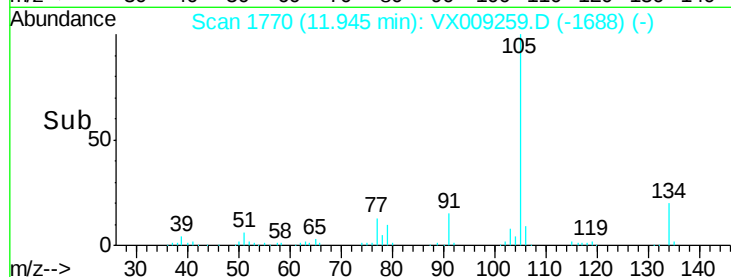
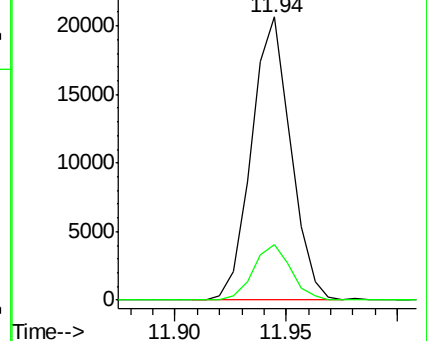
MMDadoda

5/2/2019 10:53:36 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 2.475 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

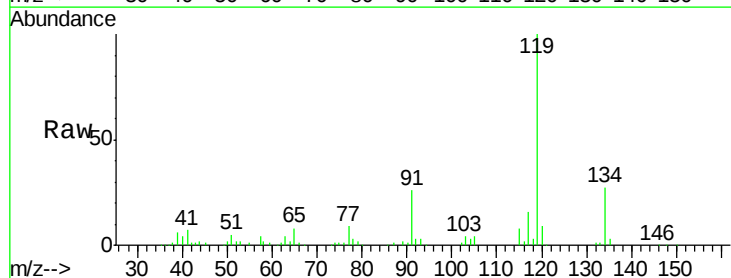
Tgt Ion:119 Resp: 22356

Ion Ratio Lower Upper

119 100

134 26.5 0.0 50.8

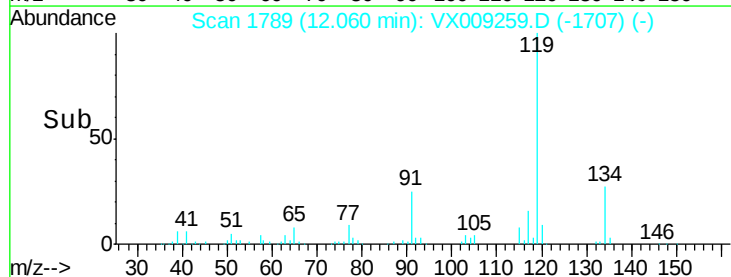
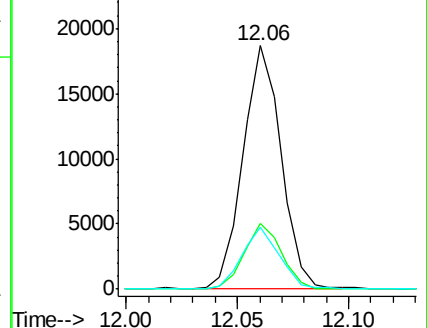
91 25.1 0.0 47.2

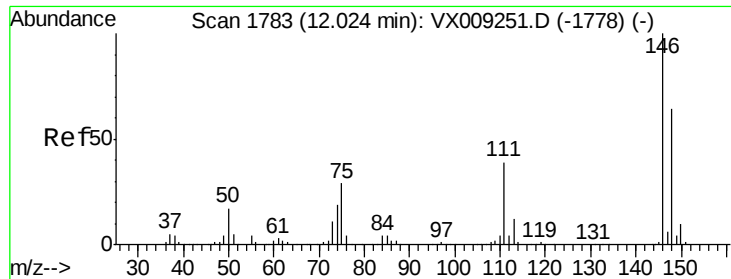


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





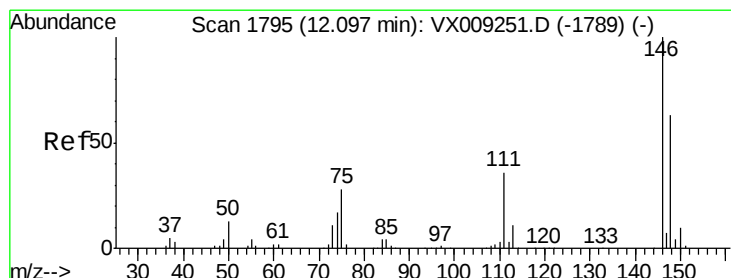
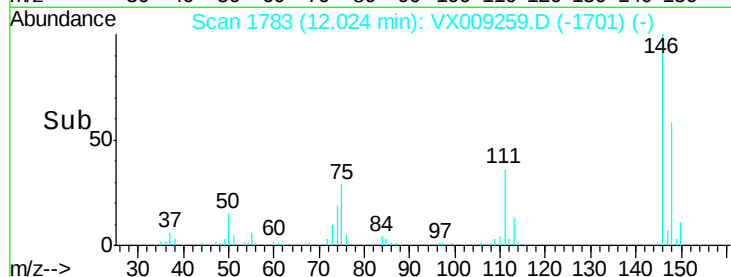
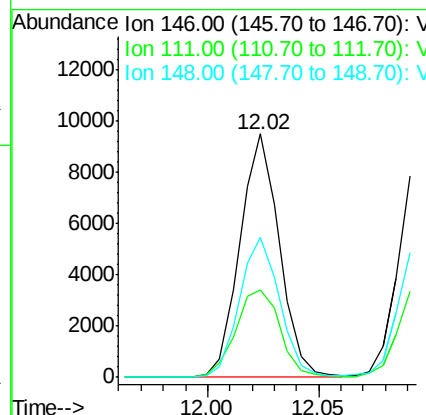
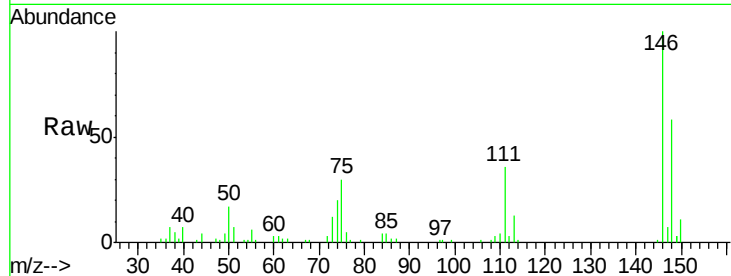
#83
 1,3-Dichlorobenzene
 Concen: 2.615 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	60.0
148	58.7	32.2	96.6

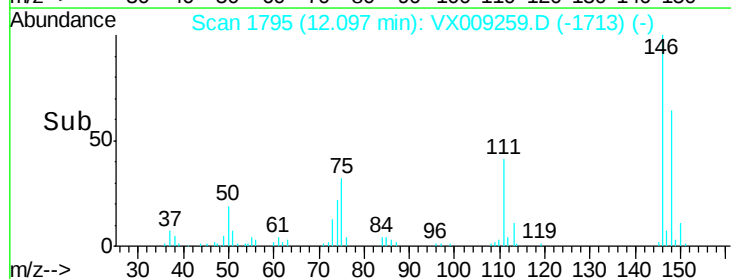
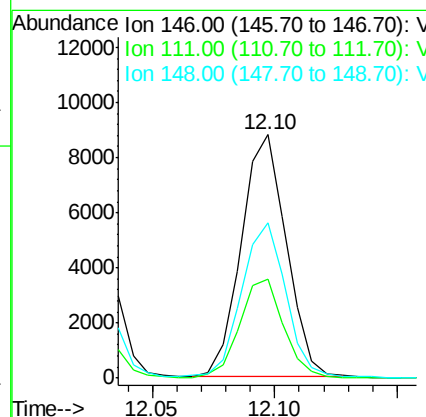
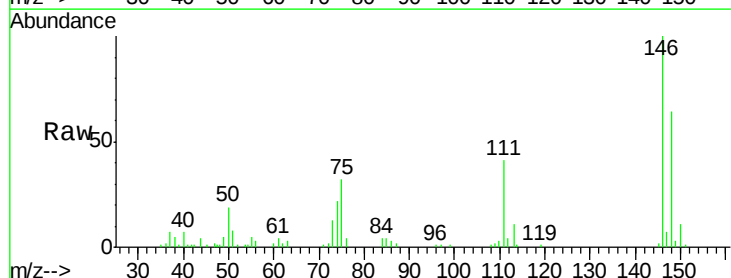
Manual Integrations
 APPROVED

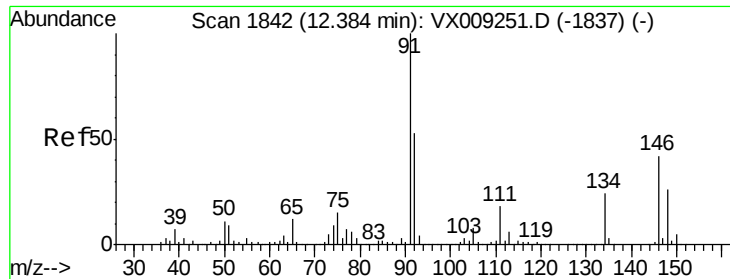
MMDadoda
 5/2/2019 10:53:36 AM



#84
 1,4-Dichlorobenzene
 Concen: 2.494 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.6	58.7
148	64.3	32.3	96.8





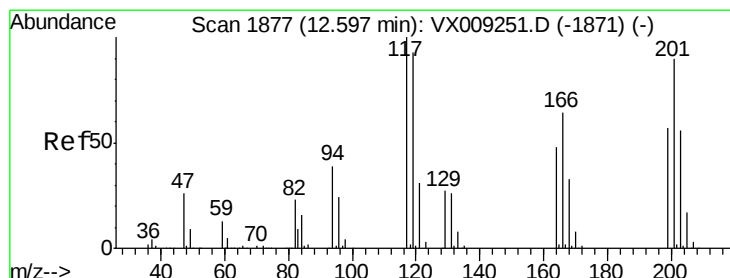
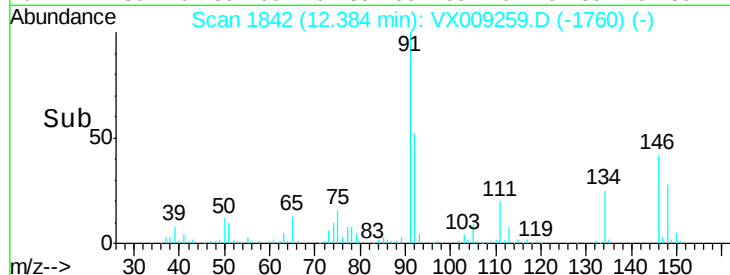
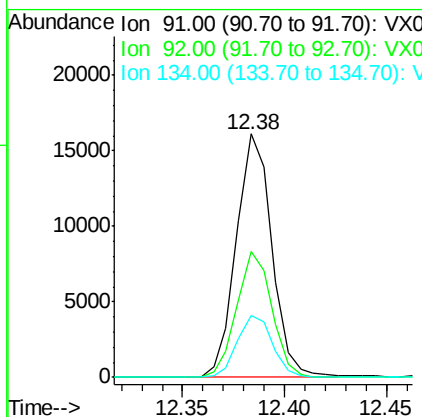
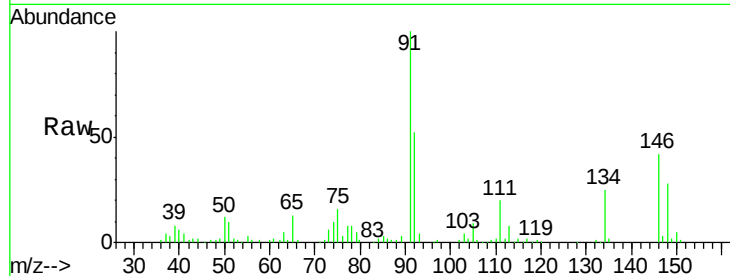
#85
n-Butylbenzene
Concen: 2.359 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
91	100	19501		
92	51.0	0.0	106.6	
134	25.1	0.0	50.0	

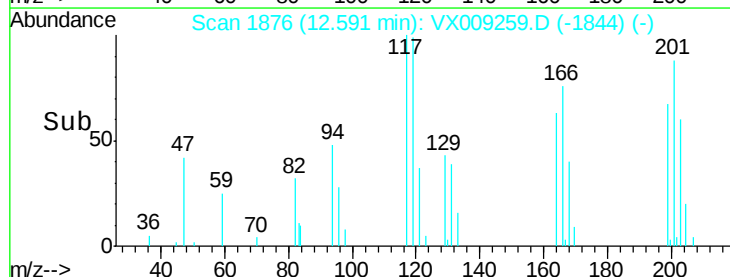
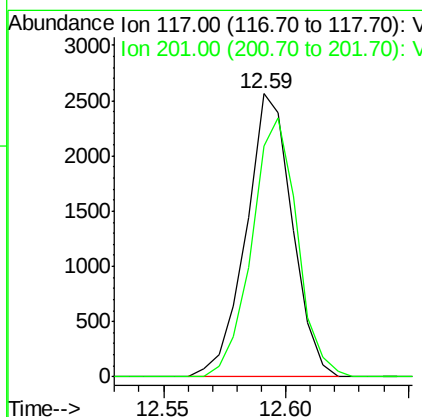
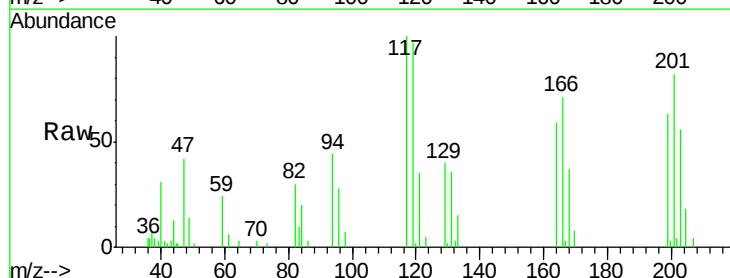
Manual Integrations
APPROVED

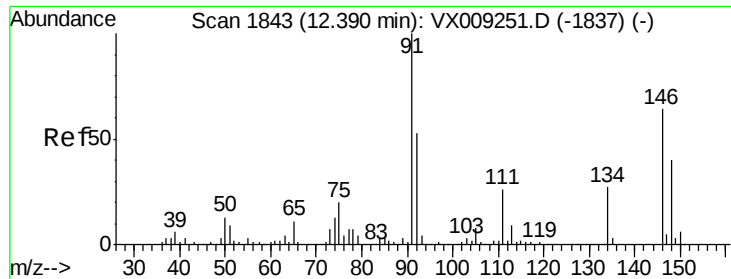
MMDadoda
5/2/2019 10:53:36 AM



#86
Hexachloroethane
Concen: 2.200 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	3382		
201	89.7	41.8	125.4	





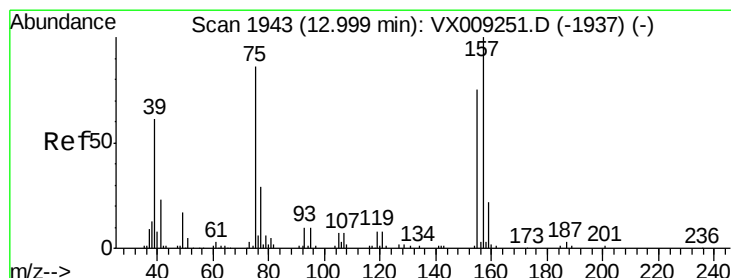
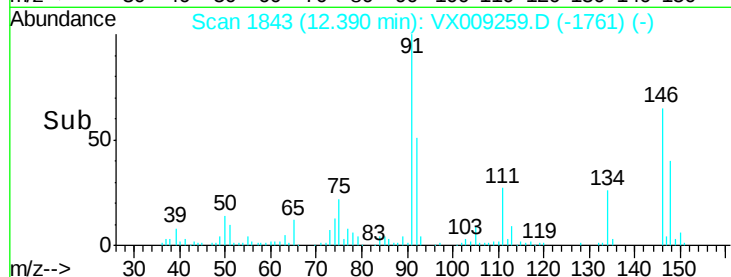
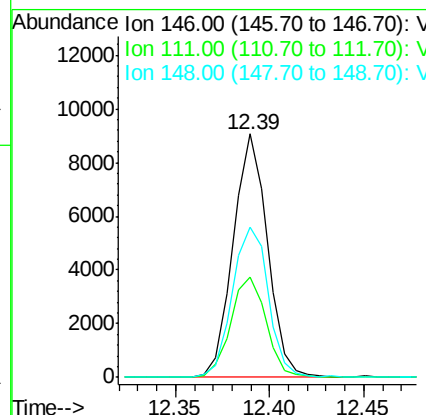
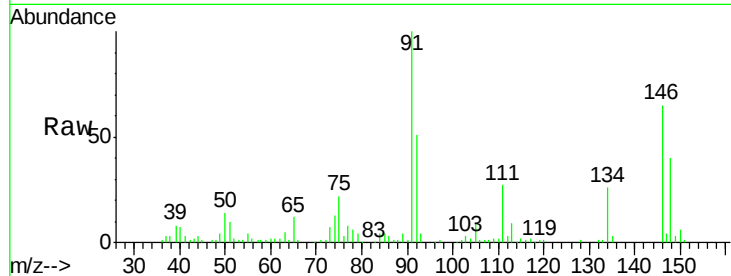
#87
 1,2-Dichlorobenzene
 Concen: 2.523 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
146	100		11440		
111	42.8	20.8	62.2		
148	64.8	31.4	94.3		

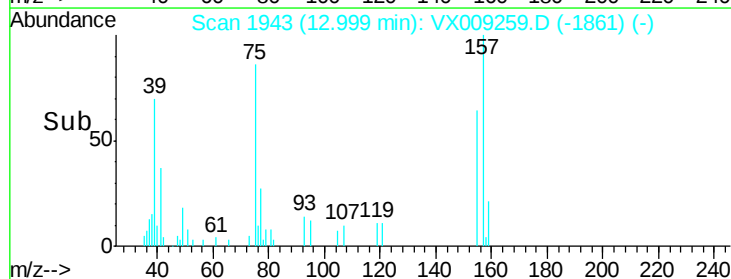
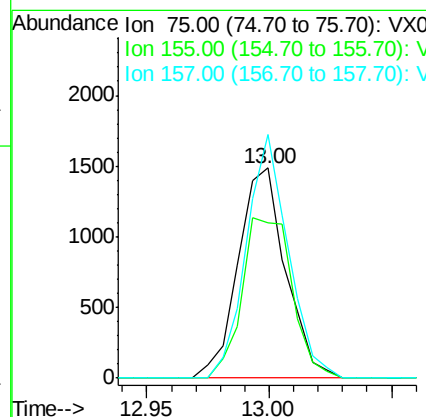
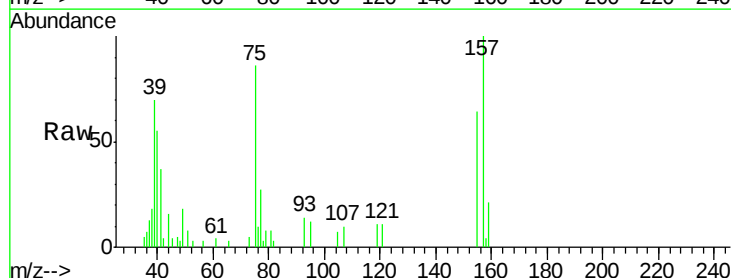
Manual Integrations
 APPROVED

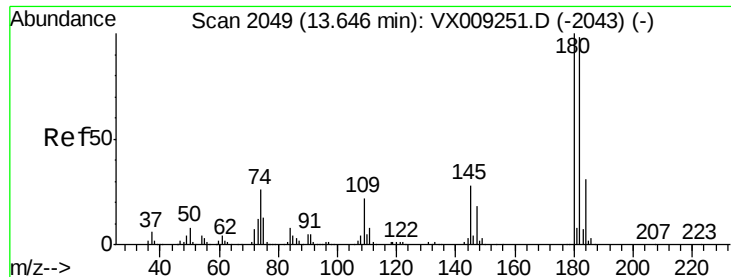
MMDadoda
 5/2/2019 10:53:36 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 2.308 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
75	100		2005		
155	80.4	65.9	98.9		
157	102.1	85.2	127.8		





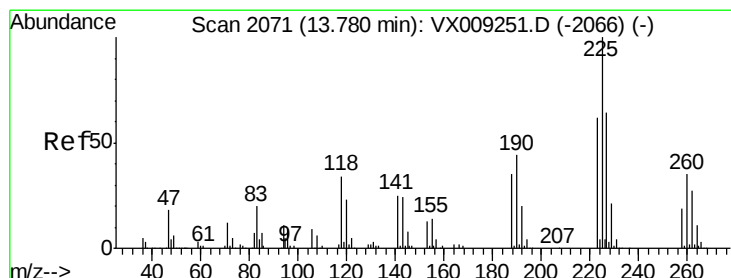
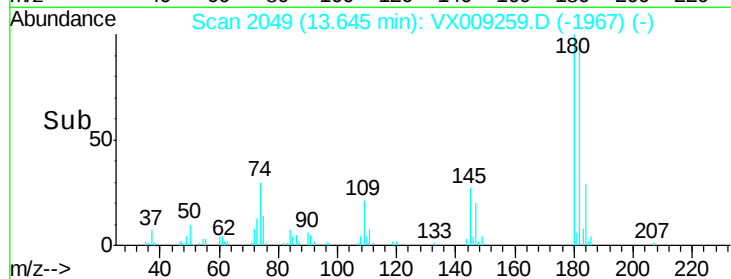
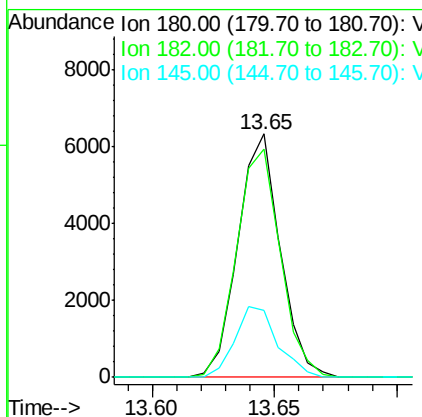
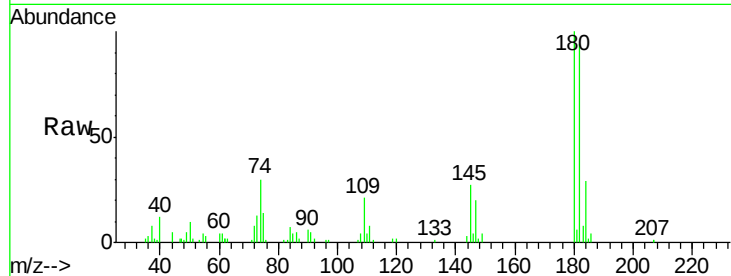
#89
 1,2,4-Trichlorobenzene
 Concen: 2.366 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.9	115.3
145	29.1	23.0	34.6

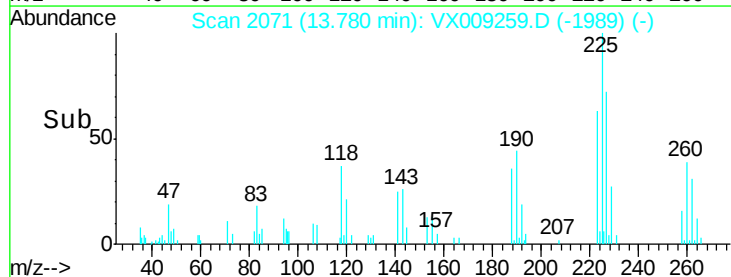
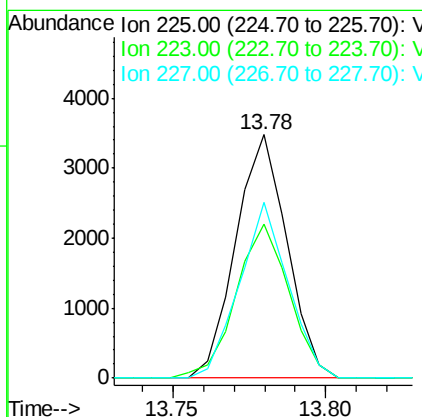
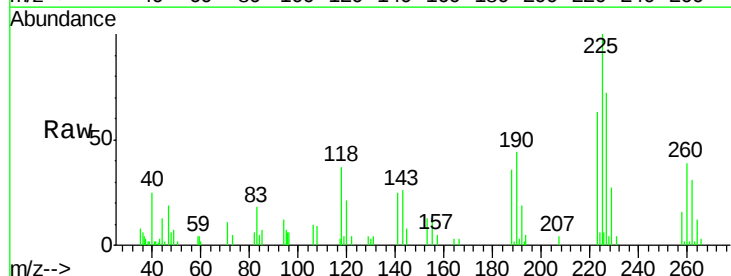
Manual Integrations
 APPROVED

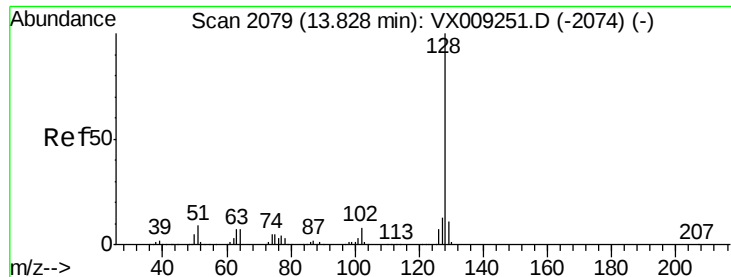
MMDadoda
 5/2/2019 10:53:36 AM



#90
 Hexachlorobutadiene
 Concen: 2.502 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.7	0.0	126.6
227	68.7	0.0	130.0





#91

Naphthalene

Concen: 2.279 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

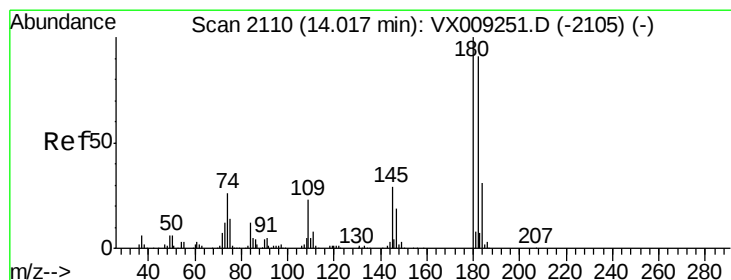
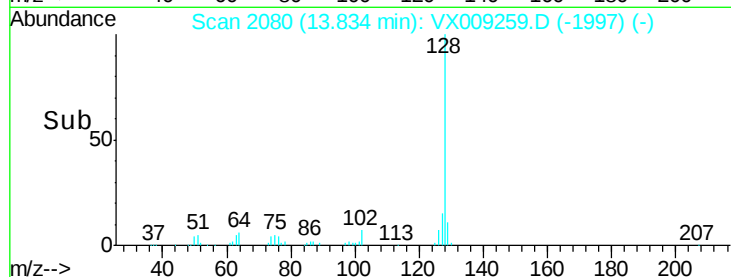
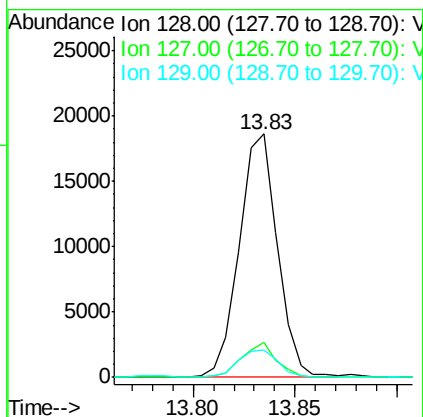
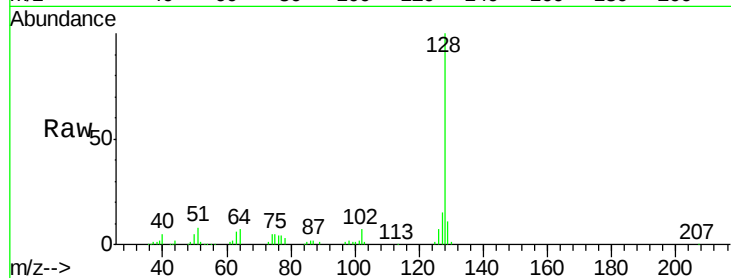
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	128	Resp:	24115
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.5	15.7
129	11.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/2/2019 10:53:36 AM



#92

1,2,3-Trichlorobenzene

Concen: 2.464 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Tgt Ion:	180	Resp:	8095
Ion Ratio	Lower	Upper	
180	100		
182	89.1	0.0	189.0
145	30.8	0.0	61.6

