

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050219\
 Data File : VX009268.D
 Acq On : 02 May 2019 11:27
 Operator : JC/SP
 Sample : K2241-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Manual Integrations
 APPROVED

MMDadoda
 5/3/2019 11:19:41 AM

Quant Time: May 03 07:23:09 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	32034	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	182535	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	159588	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	77764	29.26	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.53%
60) 4-Bromofluorobenzene	11.13	95	81600	30.09	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.30%
63) Toluene-d8	8.71	98	233969	30.92	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	15303	8.990 ug/l	97
3) Chloromethane	1.32	50	21169	9.252 ug/l	97
4) Vinyl Chloride	1.41	62	20795	9.111 ug/l	99
5) Bromomethane	1.64	94	12749	8.811 ug/l	95
6) Chloroethane	1.71	64	13194	8.814 ug/l	99
7) Trichlorofluoromethane	1.92	101	26710	9.477 ug/l	96
8) Diethyl Ether	2.19	74	13341	10.194 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	17348	9.941 ug/l	98
10) 1,1-Dichloroethene	2.37	96	17075	9.745 ug/l	97
11) Methyl Iodide	2.51	142	15456	8.115 ug/l	99
12) Methyl Acetate	2.78	43	35513	10.761 ug/l	99
13) Acrolein	2.29	56	25520	56.379 ug/l	98
14) Acrylonitrile	3.14	53	74278	51.861 ug/l	100
15) Acetone	2.45	58	20342	49.468 ug/l	98
16) Carbon Disulfide	2.56	76	38899	8.205 ug/l	96
17) Allyl chloride	2.73	41	39870	9.478 ug/l	93
18) Methylene Chloride	2.85	84	21291	10.054 ug/l	95
19) trans-1,2-Dichloroethene	3.16	96	17593	9.417 ug/l	86
20) Diisopropyl ether	3.85	45	84285	10.175 ug/l	100
21) 1,1-Dichloroethane	3.70	63	40332	10.061 ug/l	98
22) cis-1,2-Dichloroethene	4.59	96	21940	9.750 ug/l	93
23) tert-Butyl Alcohol	3.06	59	30668	50.639 ug/l	# 100
24) Methyl tert-Butyl Ether	3.20	73	68458	9.984 ug/l	100
25) Chloroform	5.21	83	37507	10.252 ug/l	96
26) Cyclohexane	5.57	56	35459	9.491 ug/l	# 99
29) 1,1-Dichloropropene	5.80	75	26720	9.976 ug/l	99
30) 2-Butanone	4.67	43	110055	52.468 ug/l	99
31) 2,2-Dichloropropane	4.59	77	29742	10.073 ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	30153	10.385 ug/l	96
33) Carbon Tetrachloride	5.78	117	24798	10.208 ug/l	98
34) Benzene	6.14	78	85237	10.322 ug/l	99
35) Methacrylonitrile	5.05	41	23167	10.557 ug/l	95
36) 1,2-Dichloroethane	6.19	62	30355	10.131 ug/l	100
37) Trichloroethene	7.21	130	20156	10.140 ug/l	96
38) Methylcyclohexane	7.46	83	32381	9.785 ug/l	100
39) 1,2-Dichloropropane	7.51	63	24683	10.497 ug/l	100
40) Dibromomethane	7.66	93	13763	10.312 ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO050219\
 Data File : VX009268.D
 Acq On : 02 May 2019 11:27
 Operator : JC/SP
 Sample : K2241-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Manual Integrations
 APPROVED

MMDadoda
 5/3/2019 11:19:41 AM

Quant Time: May 03 07:23:09 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	7.90	83	27527	10.097	ug/l	98
42) Vinyl Acetate	3.81	43	347993	50.267	ug/l	100
43) Ethyl Acetate	4.84	43	41129	10.851	ug/l	98
44) Isopropyl Acetate	6.45	43	62254	10.139	ug/l	100
45) 1,4-Dioxane	7.74	88	12640	209.673	ug/l	96
46) Methyl methacrylate	7.77	41	30737	10.029	ug/l	97
47) n-amyl Acetate	10.90	43	55132	9.967	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	30156	9.481	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	33953	9.723	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	21821	10.672	ug/l	97
51) Ethyl methacrylate	9.18	69	37255	9.859	ug/l	97
52) 1,3-Dichloropropane	9.37	76	37998	10.471	ug/l	99
53) Dibromochloromethane	9.58	129	20296	9.967	ug/l	100
54) 1,2-Dibromoethane	9.67	107	21843	10.416	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	104494	51.897	ug/l	99
56) Bromoform	10.85	173	14956	9.568	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	212441	54.138	ug/l	99
59) 2-Hexanone	9.49	43	169245	54.988	ug/l	100
61) Tetrachloroethene	9.34	164	19541	11.107	ug/l	94
62) Toluene	8.78	91	89900	10.542	ug/l	99
64) Chlorobenzene	10.14	112	53783	10.479	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	19519	10.387	ug/l	99
66) Ethyl Benzene	10.25	91	98181	10.335	ug/l	99
67) m/p-Xylenes	10.36	106	71308	20.559	ug/l	100
68) o-Xylene	10.69	106	34938	10.244	ug/l	99
69) Styrene	10.71	104	61410	10.257	ug/l	99
70) Isopropylbenzene	11.02	105	95234	10.383	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	36609	10.898	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	31703m	10.952	ug/l	
73) Bromobenzene	11.26	156	23589	10.409	ug/l	97
74) n-propylbenzene	11.36	91	107421	10.106	ug/l	98
75) 2-Chlorotoluene	11.42	91	66476	10.427	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	80796	10.399	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	10851	9.293	ug/l	92
78) 4-Chlorotoluene	11.51	91	73197	10.109	ug/l	99
79) tert-butylbenzene	11.77	119	77366	10.300	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	81192	10.426	ug/l	99
81) sec-Butylbenzene	11.94	105	91565	10.261	ug/l	99
82) p-Isopropyltoluene	12.06	119	83841	10.328	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	41828	10.335	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	42411	10.518	ug/l	98
85) n-Butylbenzene	12.38	91	72166	9.716	ug/l	99
86) Hexachloroethane	12.60	117	13170	9.535	ug/l	96
87) 1,2-Dichlorobenzene	12.39	146	43119	10.584	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	7791	9.981	ug/l	95
89) 1,2,4-Trichlorobenzene	13.65	180	28426	9.790	ug/l	99
90) Hexachlorobutadiene	13.78	225	14777	10.188	ug/l	100
91) Naphthalene	13.83	128	93499	9.835	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	28824	9.765	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050219\
Data File : VX009268.D
Acq On : 02 May 2019 11:27
Operator : JC/SP
Sample : K2241-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

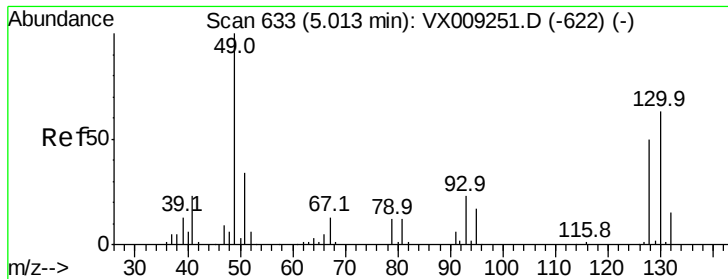
Manual Integrations
APPROVED

MMDadoda
5/3/2019 11:19:41 AM

Quant Time: May 03 07:23:09 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: VX009268.D

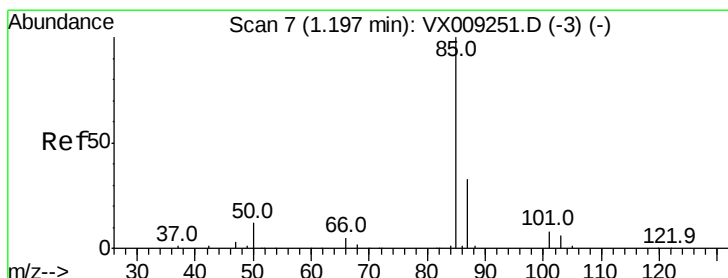
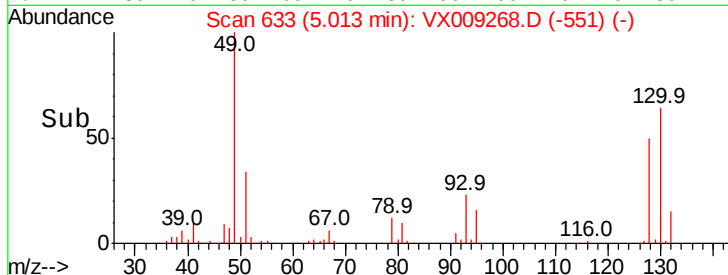
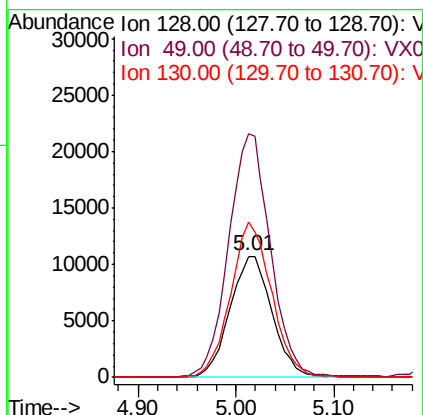
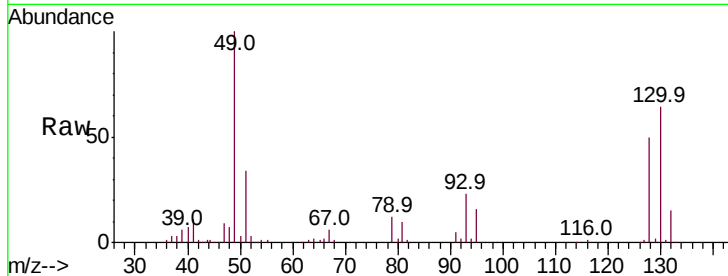
Acq: 02 May 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion:	128	Resp:	32034
Ion	Ratio	Lower	Upper
128	100		
49	199.5	0.0	515.0
130	125.1	0.0	323.3

Manual Integrations
APPROVED

MMDadoda
5/3/2019 11:19:41 AM



#2

Dichlorodifluoromethane

Concen: 8.990 ug/l

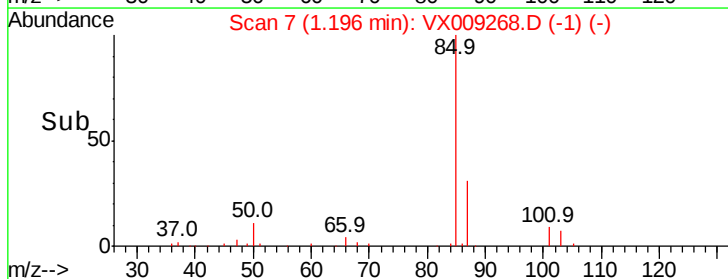
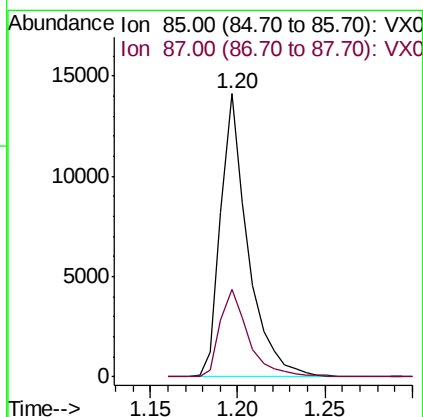
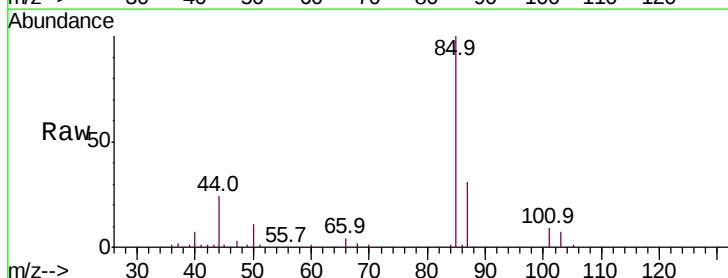
RT: 1.20 min Scan# 7

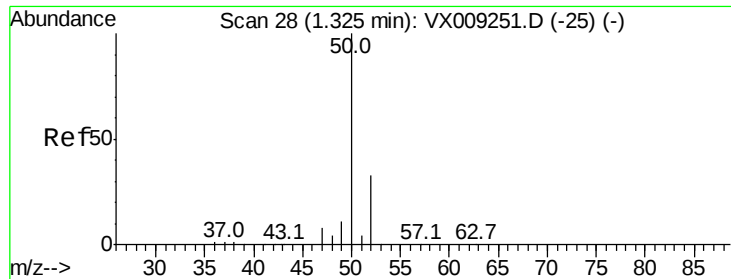
Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Tgt Ion:	85	Resp:	15303
Ion	Ratio	Lower	Upper
85	100		
87	31.2	16.3	48.9





#3

Chloromethane

Concen: 9.252 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 50 Resp: 21169

Ion Ratio Lower Upper

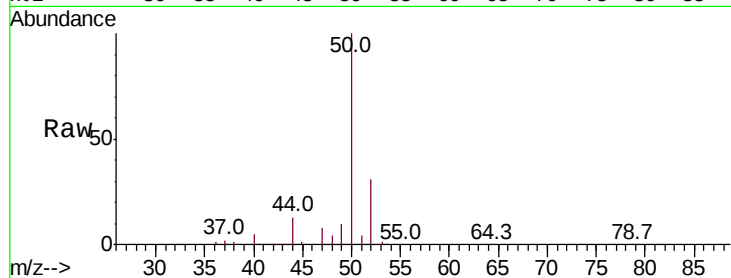
50 100

52 31.0 26.3 39.5

Manual Integrations
APPROVED

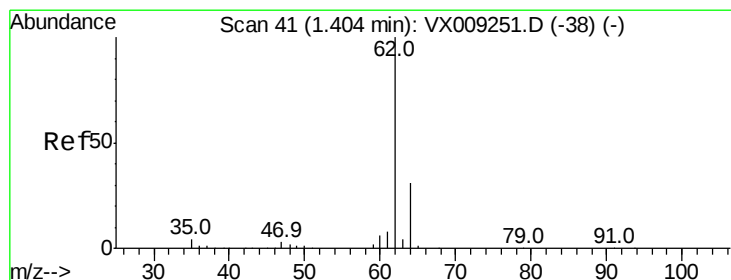
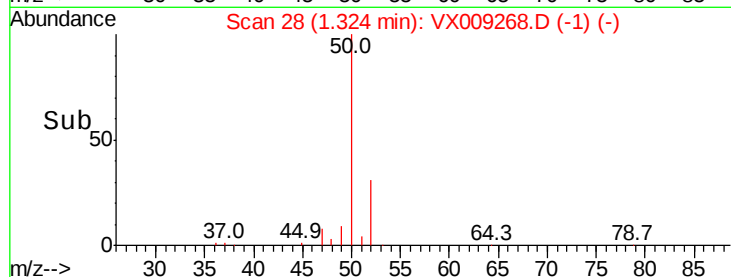
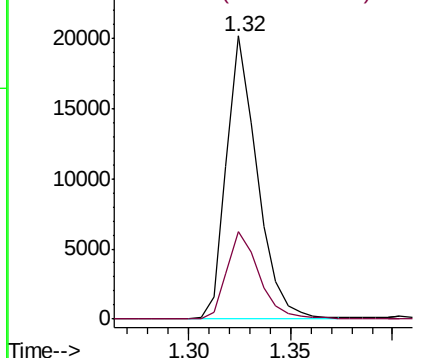
MMDadoda

5/3/2019 11:19:41 AM



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 9.111 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX009268.D

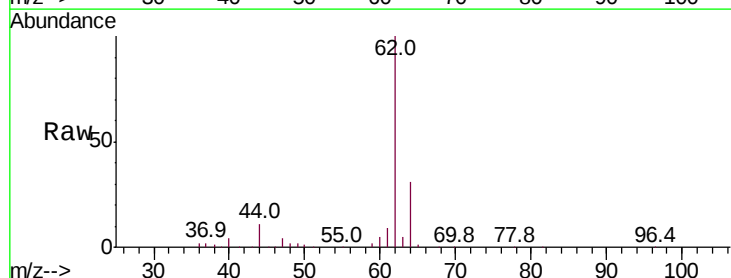
Acq: 02 May 2019 11:27

Tgt Ion: 62 Resp: 20795

Ion Ratio Lower Upper

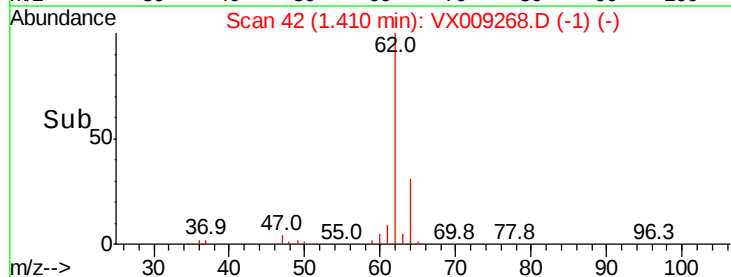
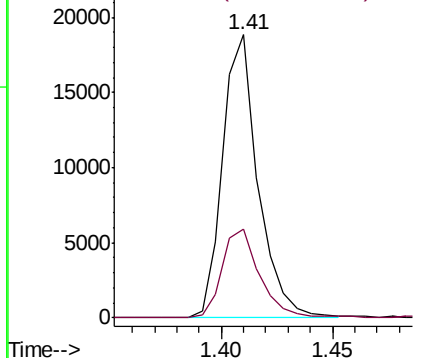
62 100

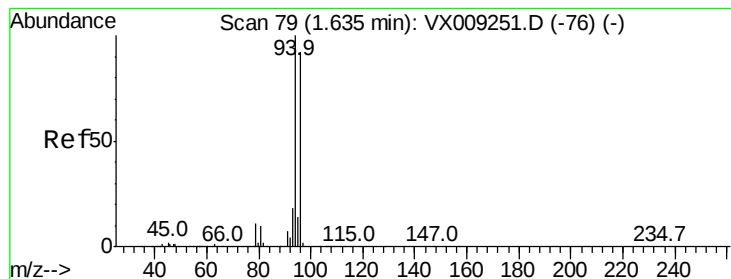
64 31.3 24.6 36.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 8.811 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 94 Resp: 12749

Ion Ratio Lower Upper

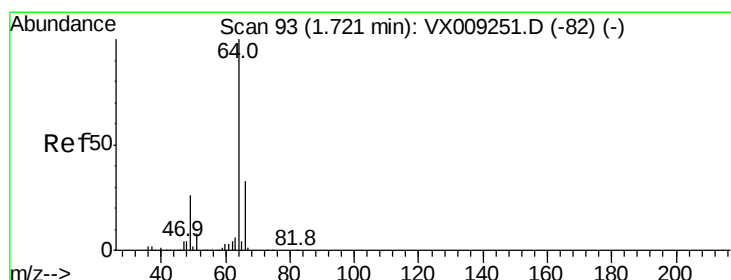
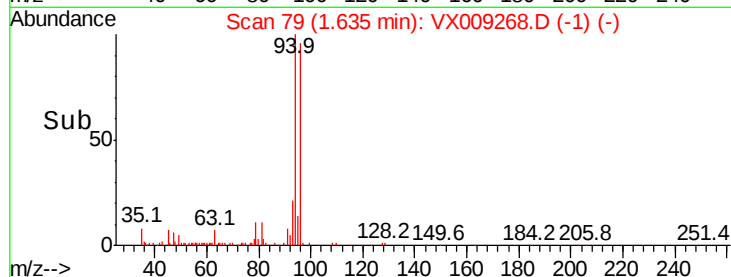
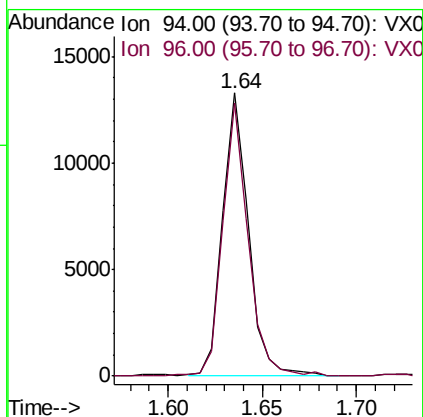
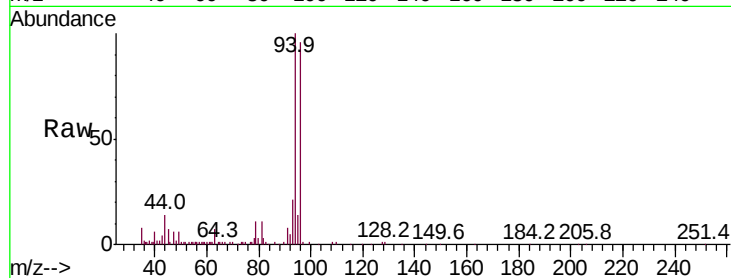
94 100

96 96.4 73.5 110.3

Manual Integrations
APPROVED

MMDadoda

5/3/2019 11:19:41 AM



#6

Chloroethane

Concen: 8.814 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009268.D

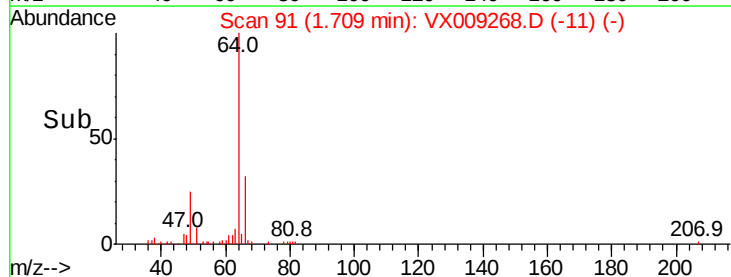
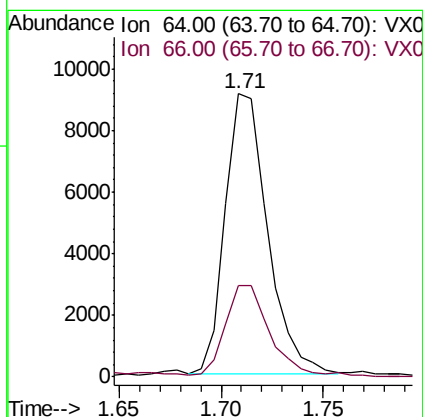
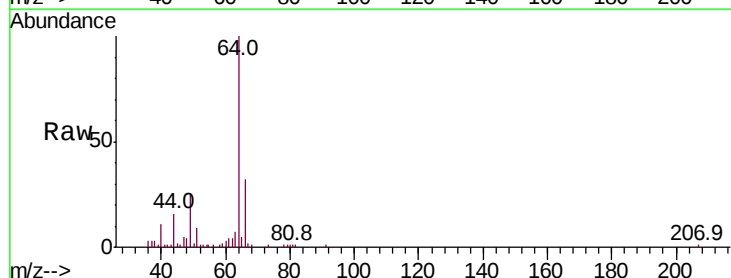
Acq: 02 May 2019 11:27

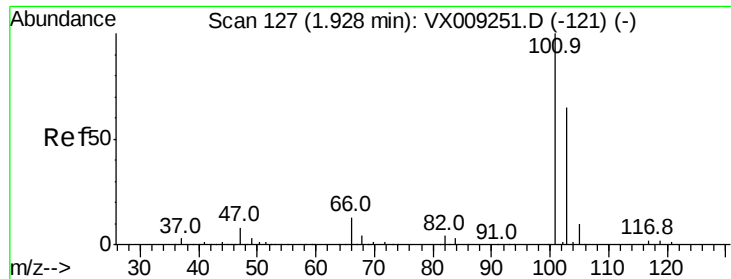
Tgt Ion: 64 Resp: 13194

Ion Ratio Lower Upper

64 100

66 32.0 25.9 38.9





#7

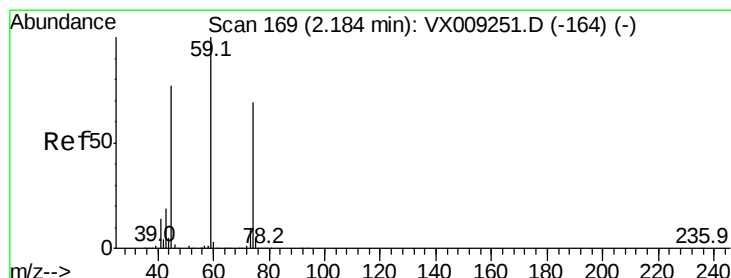
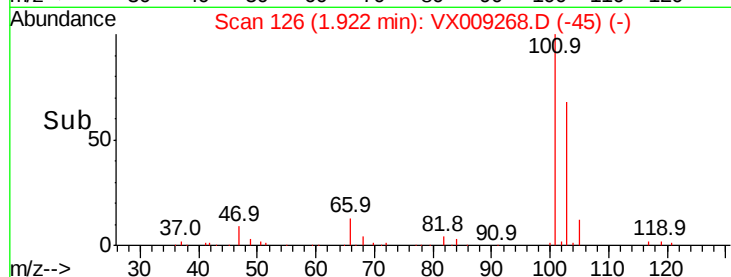
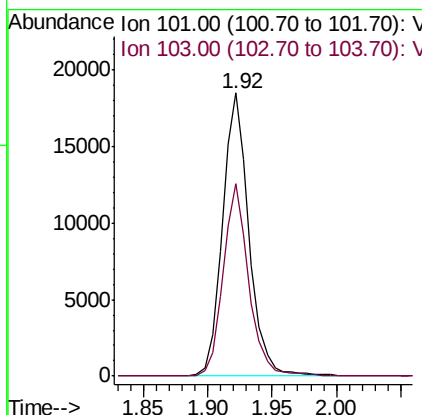
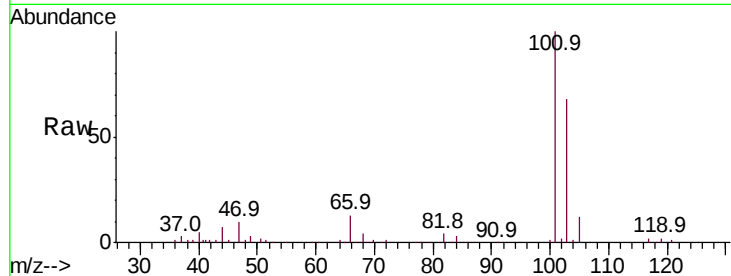
Trichlorofluoromethane
 Concen: 9.477 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion:101 Resp: 26710
 Ion Ratio Lower Upper
 101 100
 103 67.9 51.9 77.9

Manual Integrations
 APPROVED

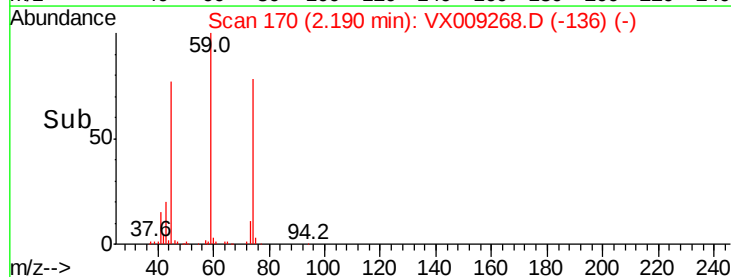
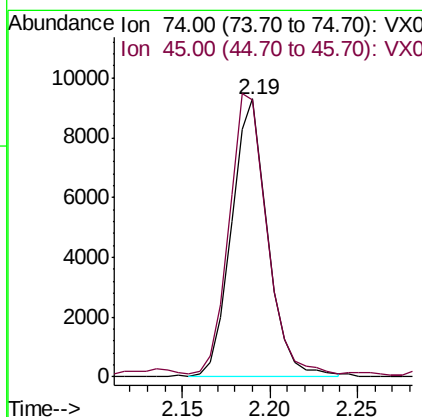
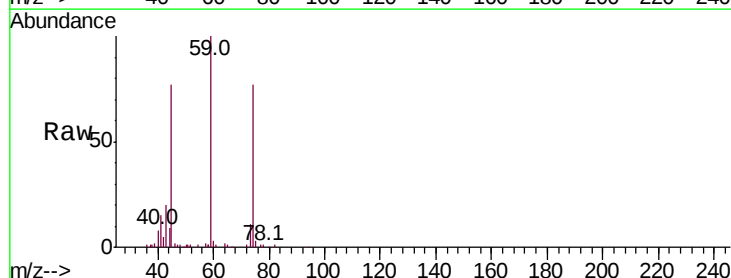
MMDadoda
 5/3/2019 11:19:41 AM

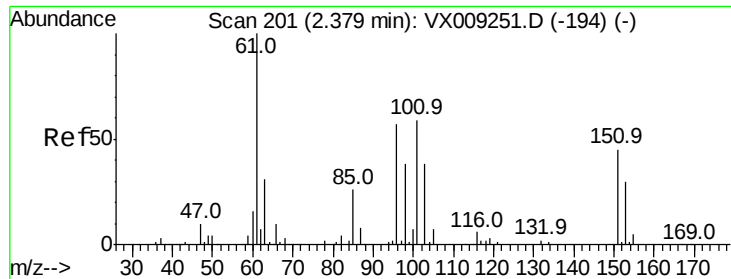


#8

Diethyl Ether
 Concen: 10.194 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

Tgt Ion: 74 Resp: 13341
 Ion Ratio Lower Upper
 74 100
 45 105.8 21.5 193.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.941 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

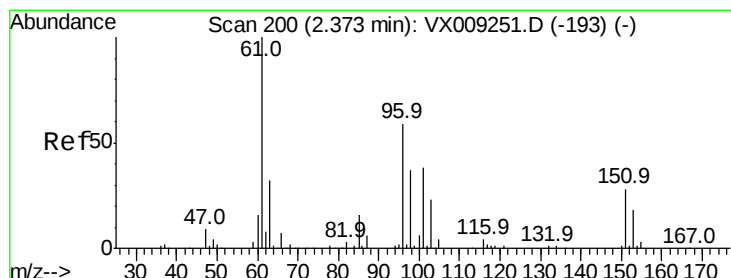
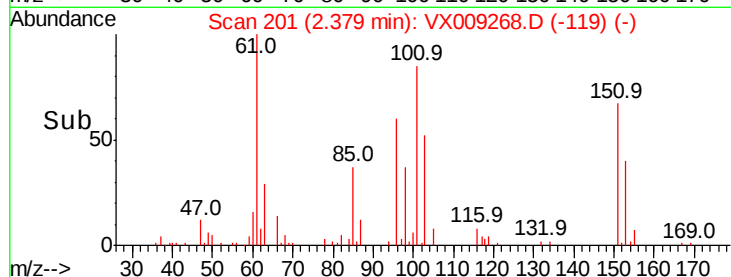
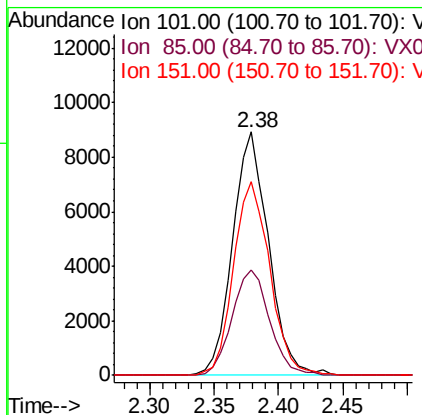
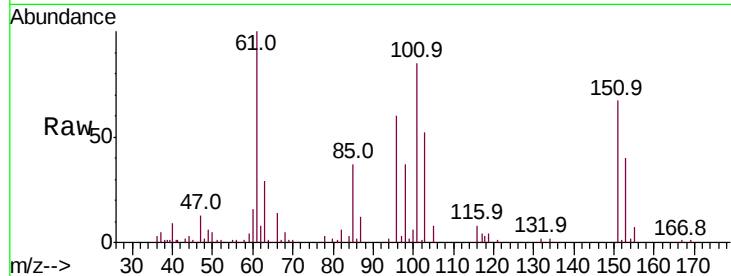
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	101	Resp:	17348
Ion Ratio	Lower	Upper	
101	100		
85	45.0	0.0	87.4
151	80.0	0.0	157.0

Manual Integrations
APPROVED

MMDadoda
5/3/2019 11:19:41 AM



#10

1,1-Dichloroethene

Concen: 9.745 ug/l

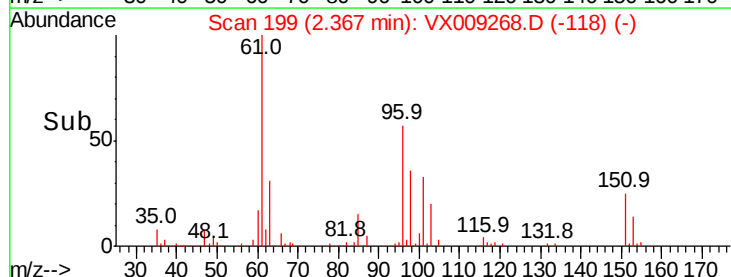
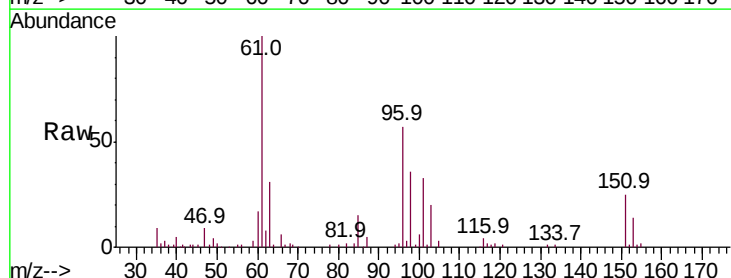
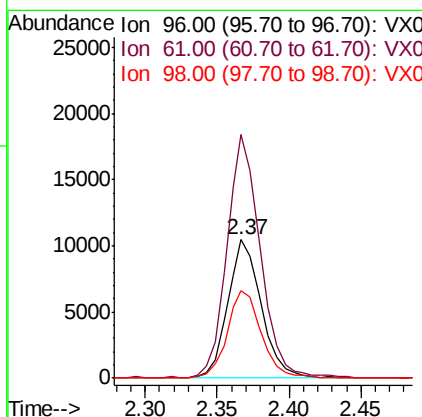
RT: 2.37 min Scan# 199

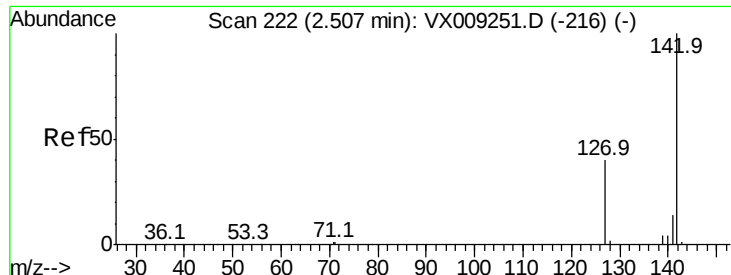
Delta R.T. -0.01 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Tgt Ion:	96	Resp:	17075
Ion Ratio	Lower	Upper	
96	100		
61	176.3	136.5	204.7
98	62.9	51.0	76.4





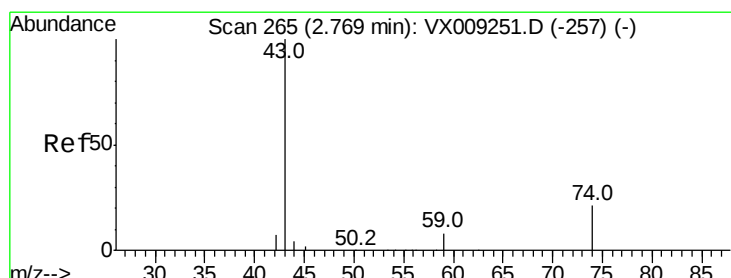
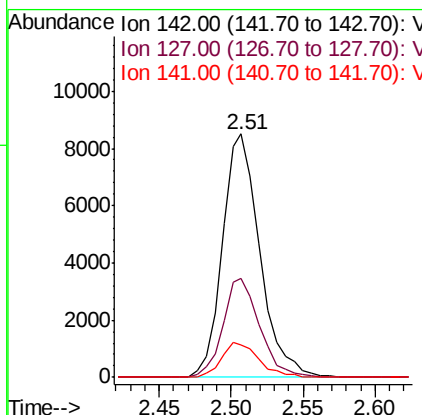
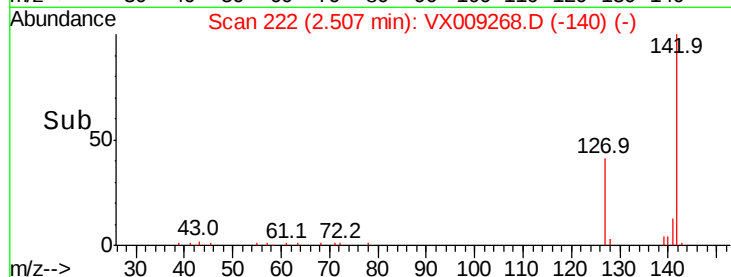
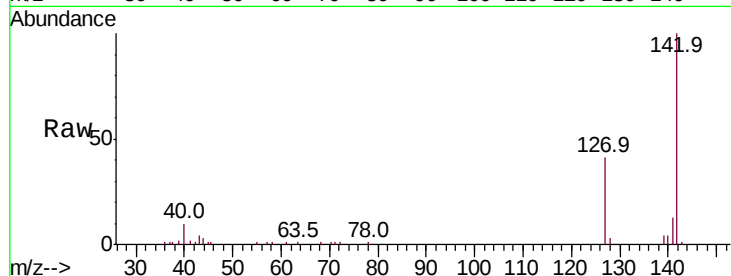
#11
Methvl Iodide
Concen: 8.115 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.8	20.2	60.5
141	13.1	6.9	20.7

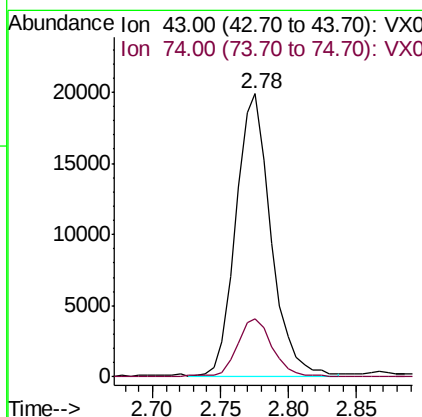
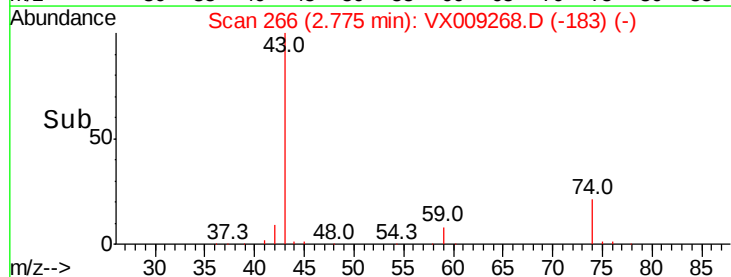
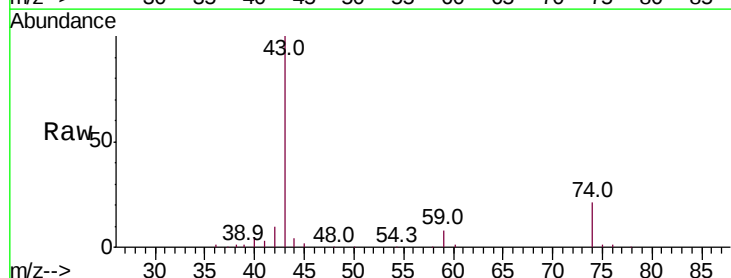
Manual Integrations
APPROVED

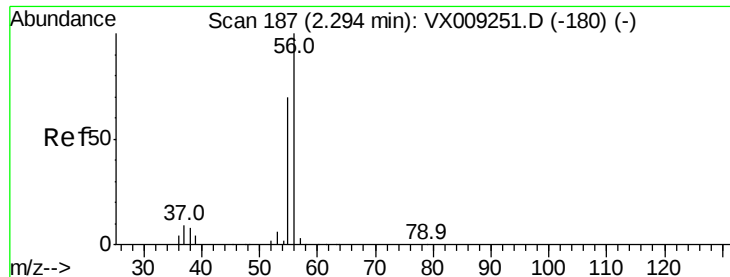
MMDadoda
5/3/2019 11:19:41 AM



#12
Methyl Acetate
Concen: 10.761 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.3	16.5	24.7





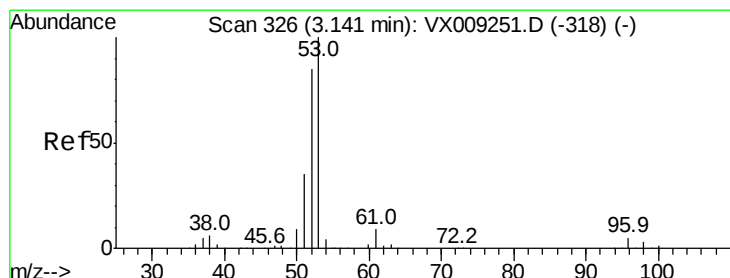
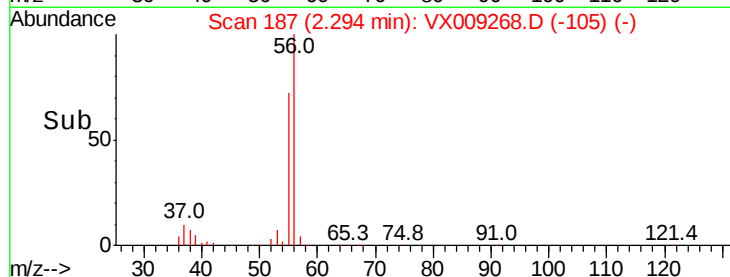
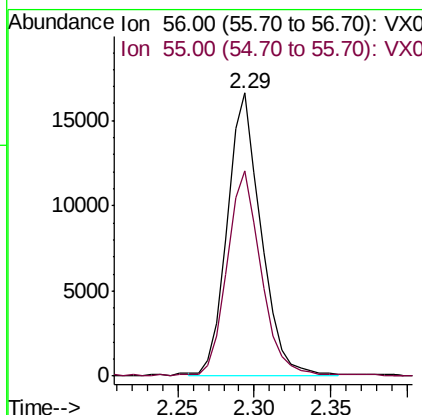
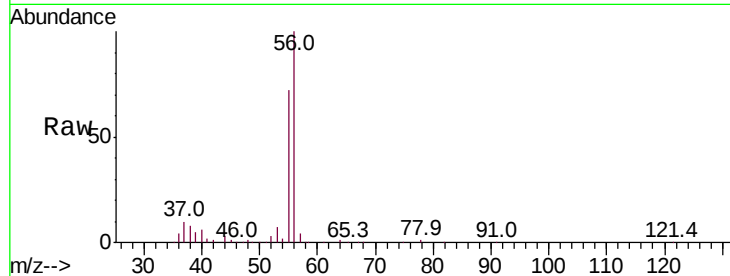
#13
Acrolein
Concen: 56.379 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	72.8	56.9	85.3	

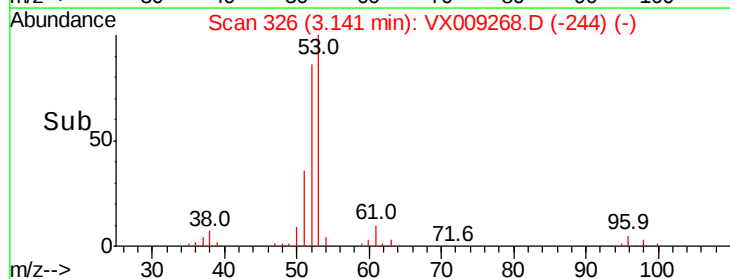
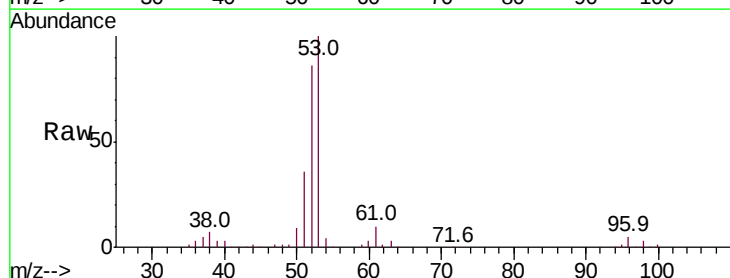
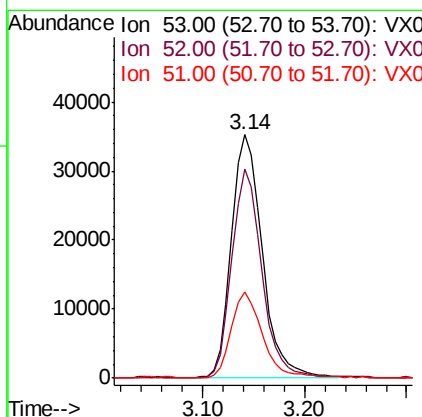
Manual Integrations
APPROVED

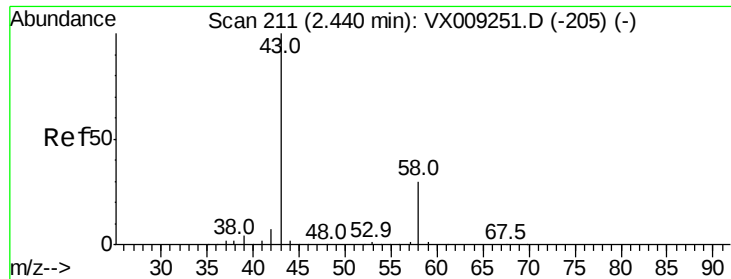
MMDadoda
5/3/2019 11:19:41 AM



#14
Acrylonitrile
Concen: 51.861 ug/l
RT: 3.14 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion	Ion	Ratio	Lower	Upper
53	100			
52	83.1	41.5	124.5	
51	35.9	17.8	53.3	





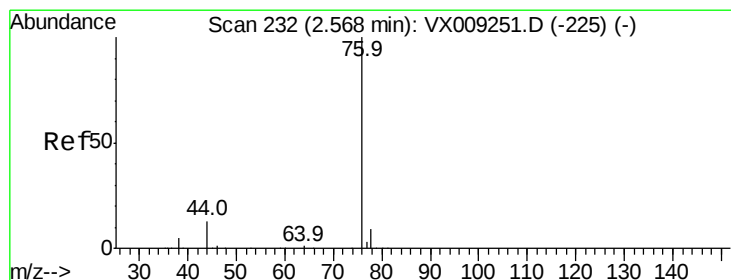
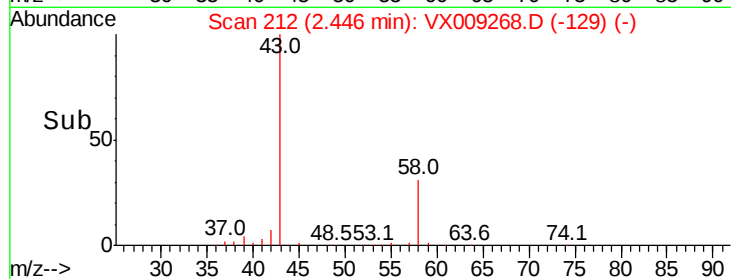
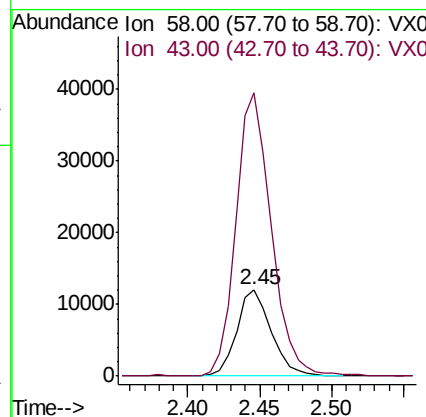
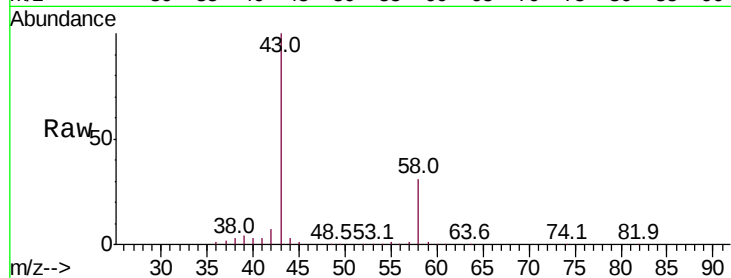
#15
Acetone
Concen: 49.468 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.01 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion: 58 Resp: 20342
Ion Ratio Lower Upper
58 100
43 326.0 264.0 396.0

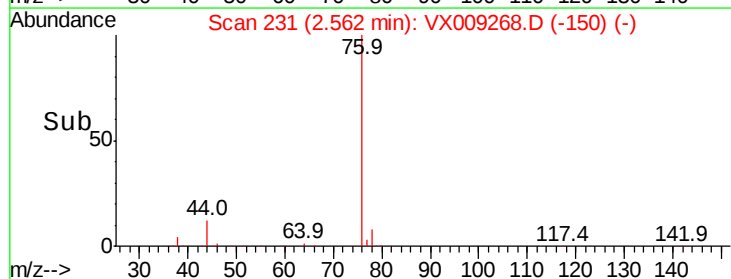
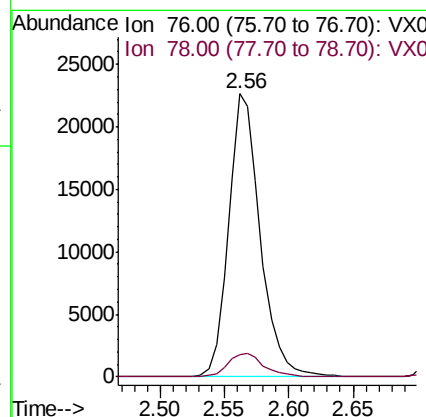
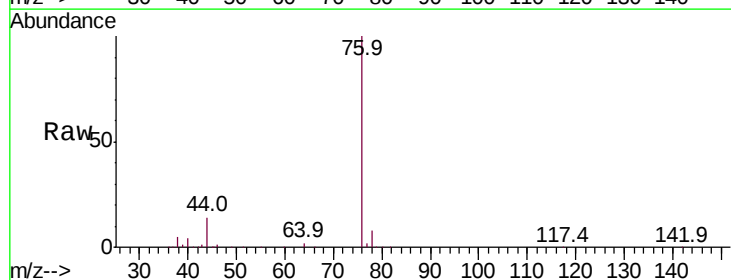
Manual Integrations
APPROVED

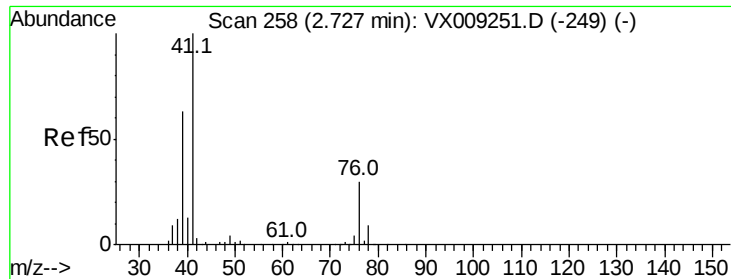
MMDadoda
5/3/2019 11:19:41 AM



#16
Carbon Disulfide
Concen: 8.205 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion: 76 Resp: 38899
Ion Ratio Lower Upper
76 100
78 8.0 7.4 11.2





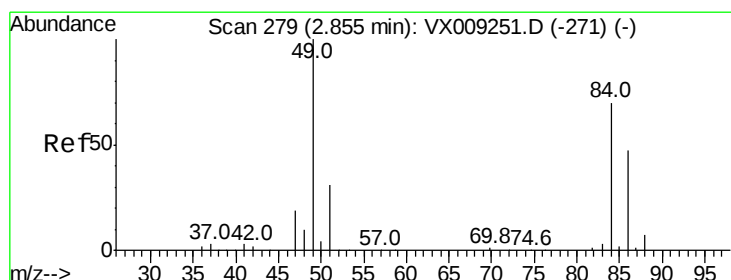
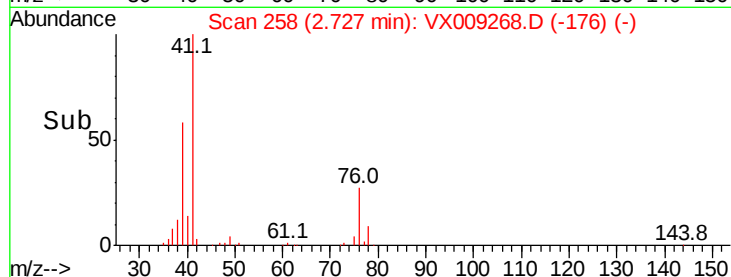
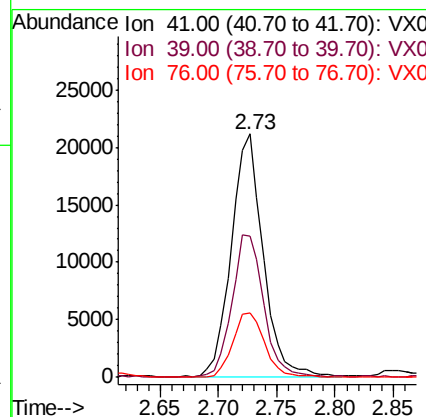
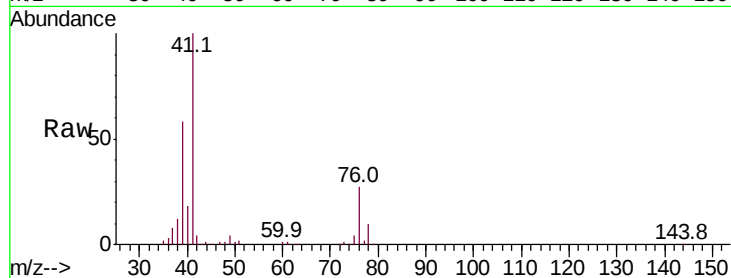
#17
Allvl chloride
Concen: 9.478 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.9	31.6	94.7
76	26.7	15.1	45.3

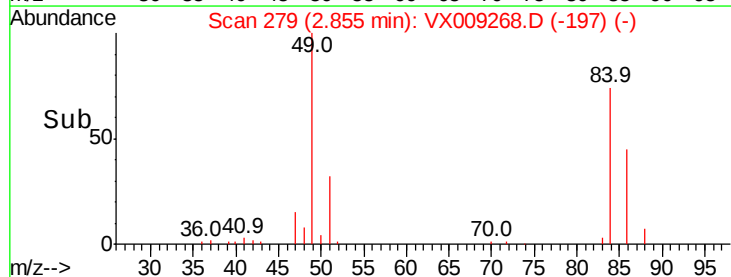
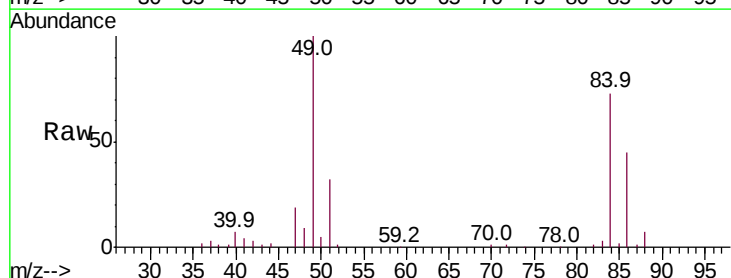
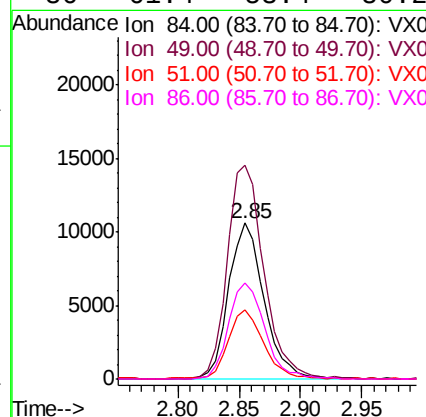
Manual Integrations
APPROVED

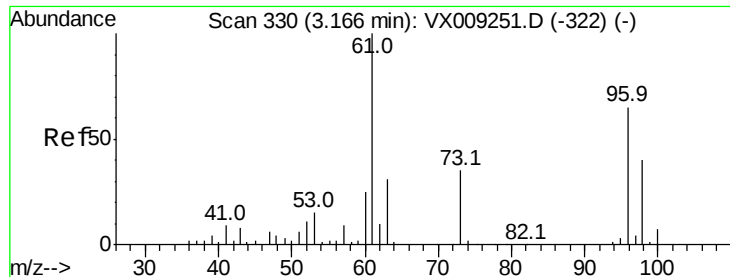
MMDadoda
5/3/2019 11:19:41 AM



#18
Methylene Chloride
Concen: 10.054 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.3	114.6	171.8
51	44.3	35.5	53.3
86	61.4	53.4	80.2





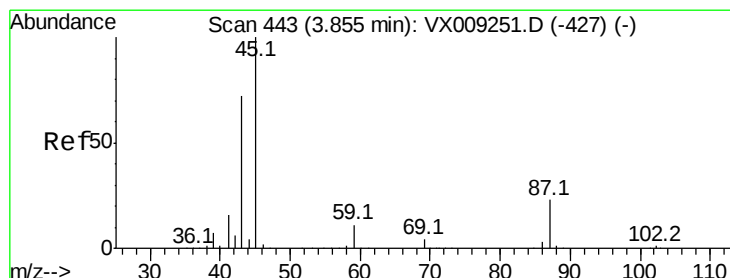
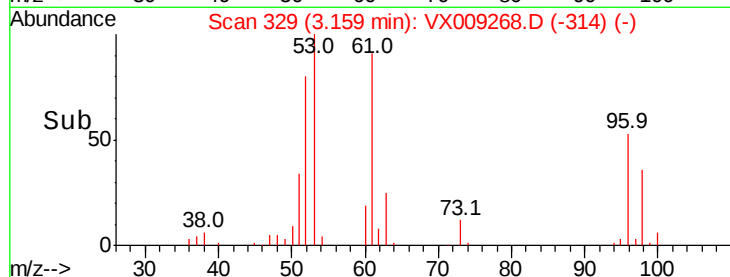
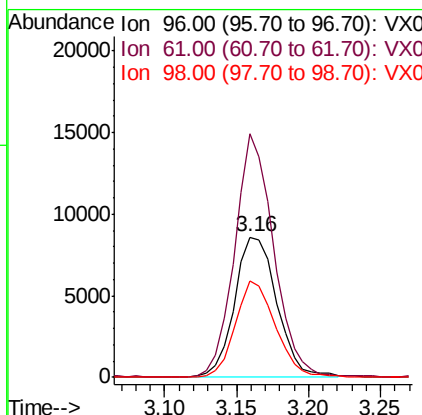
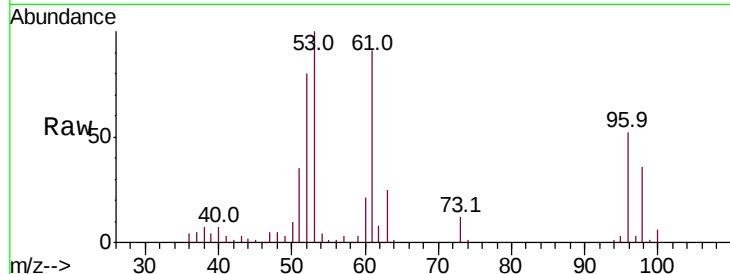
#19
trans-1,2-Dichloroethene
Concen: 9.417 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.01 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
96	100		
61	173.5	122.7	184.1
98	68.8	49.5	74.3

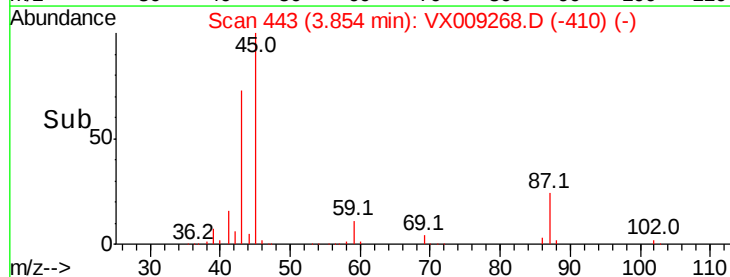
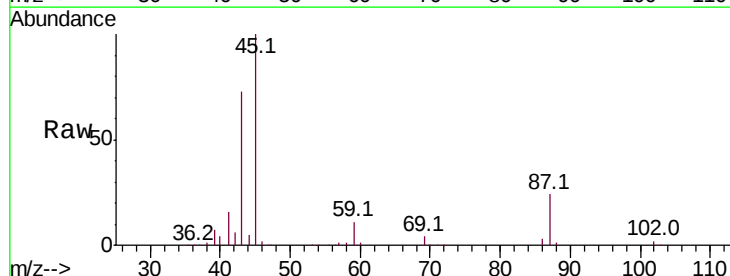
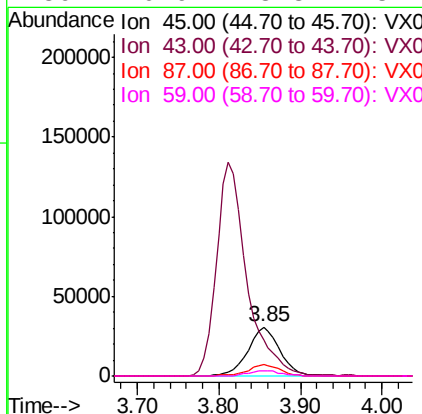
Manual Integrations
APPROVED

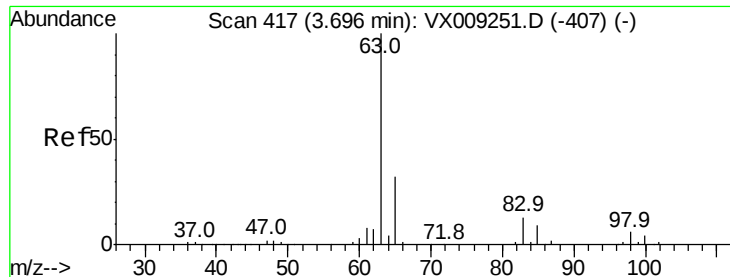
MMDadoda
5/3/2019 11:19:41 AM



#20
Diisopropyl ether
Concen: 10.175 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	72.4	57.7	86.5
87	23.5	18.5	27.7
59	10.9	8.8	13.2





#21

1,1-Dichloroethane

Concen: 10.061 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

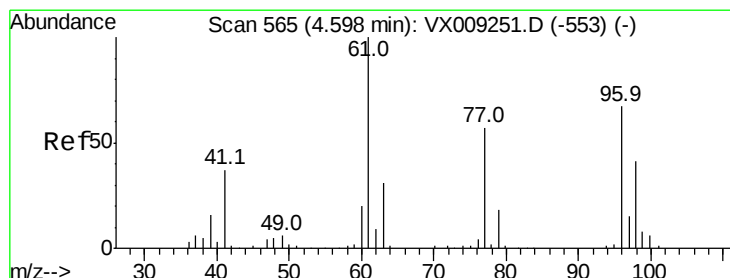
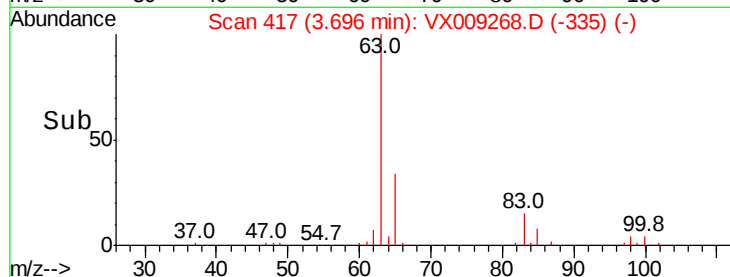
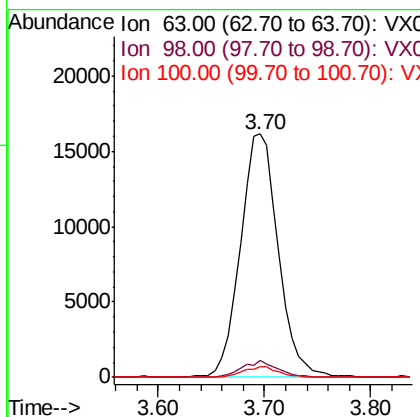
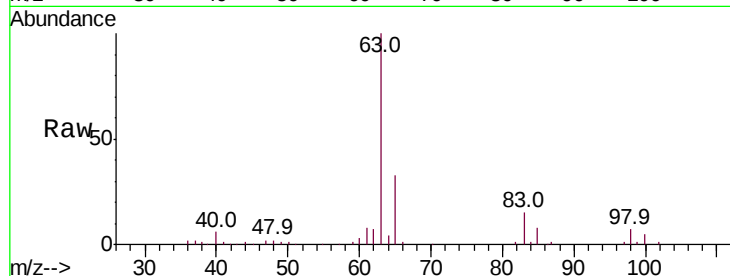
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	63	Resp:	40332
Ion Ratio	Lower	Upper	
63	100		
98	6.9	3.1	9.3
100	4.6	2.2	6.6

Manual Integrations
APPROVED

MMDadoda
5/3/2019 11:19:41 AM



#22

cis-1,2-Dichloroethene

Concen: 9.750 ug/l

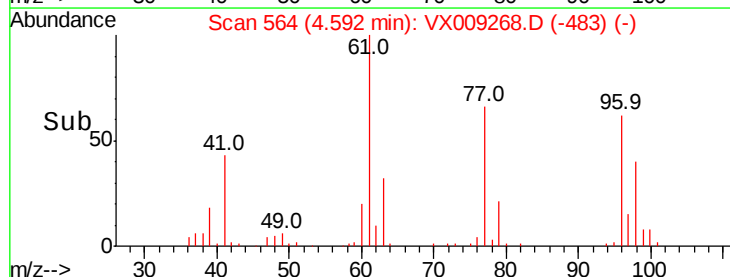
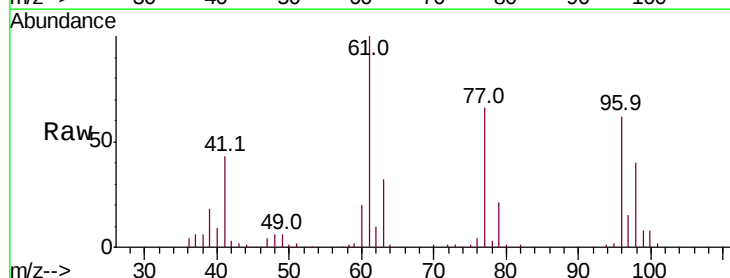
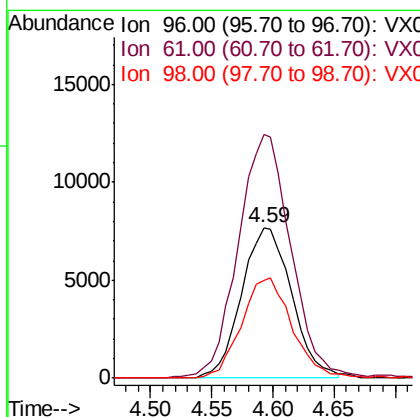
RT: 4.59 min Scan# 564

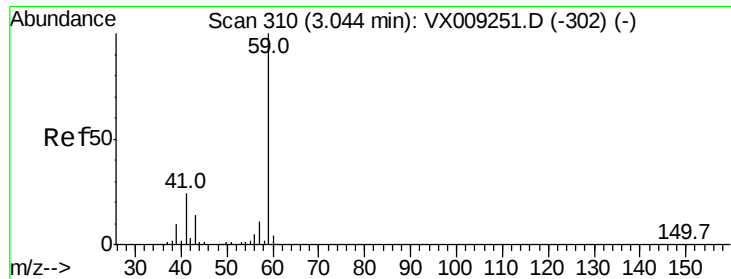
Delta R.T. -0.01 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Tgt Ion:	96	Resp:	21940
Ion Ratio	Lower	Upper	
96	100		
61	169.4	127.7	191.5
98	66.9	50.5	75.7





#23

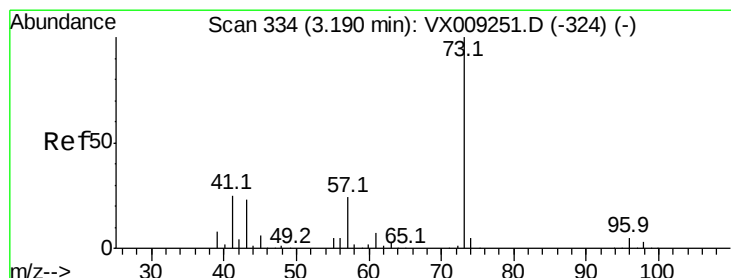
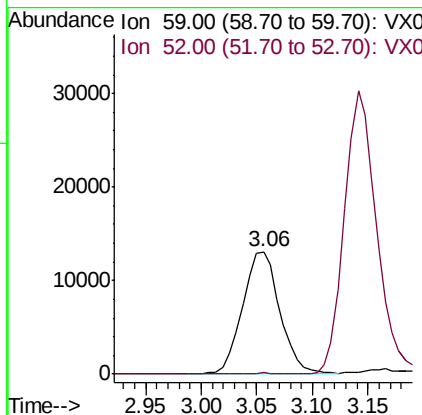
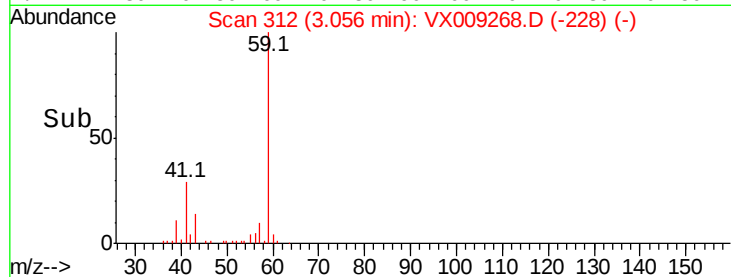
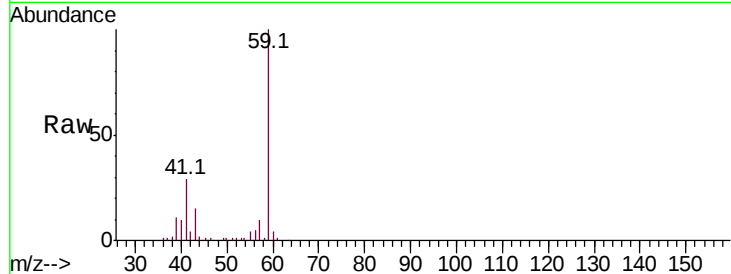
tert-Butyl Alcohol
Concen: 50.639 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion: 59 Resp: 30668
Ion Ratio Lower Upper
59 100
52 0.8 0.2 0.2#

Manual Integrations
APPROVED

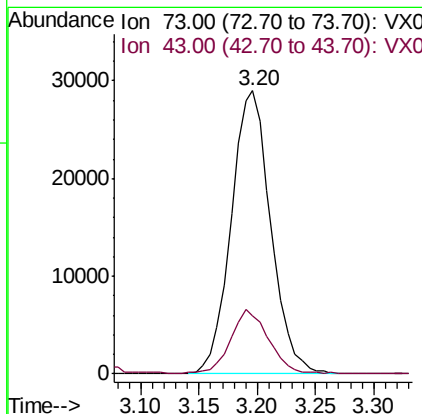
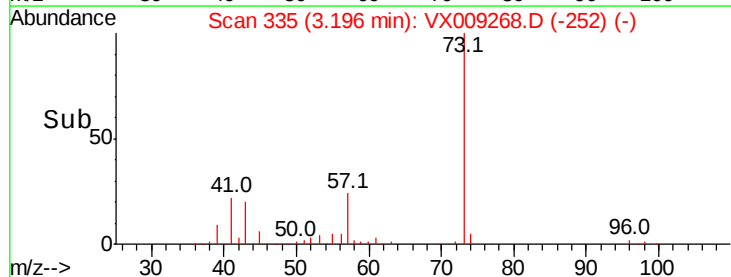
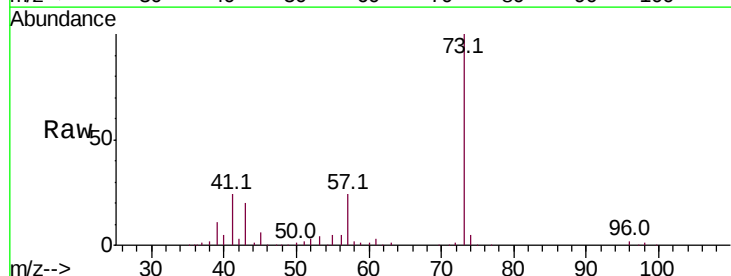
MMDadoda
5/3/2019 11:19:41 AM

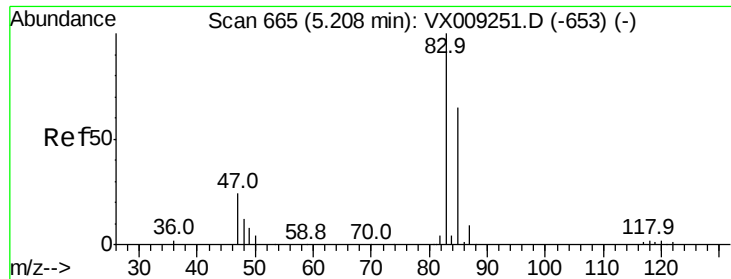


#24

Methyl tert-Butyl Ether
Concen: 9.984 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.01 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion: 73 Resp: 68458
Ion Ratio Lower Upper
73 100
43 22.0 17.6 26.4





#25

Chloroform

Concen: 10.252 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 83 Resp: 37507

Ion Ratio Lower Upper

83 100

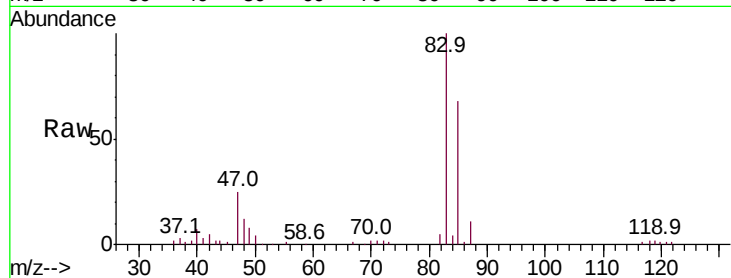
85 68.2 51.9 77.9

Manual Integrations

APPROVED

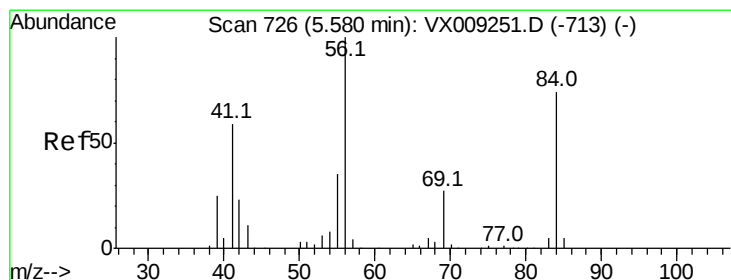
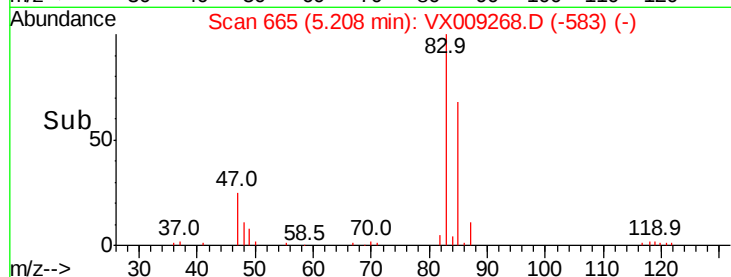
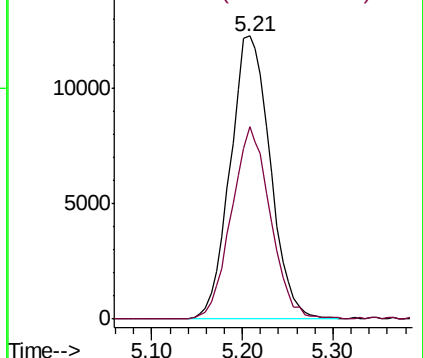
MMDadoda

5/3/2019 11:19:41 AM



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 9.491 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

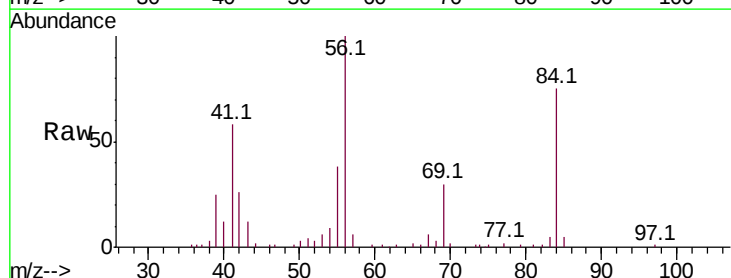
Tgt Ion: 56 Resp: 35459

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

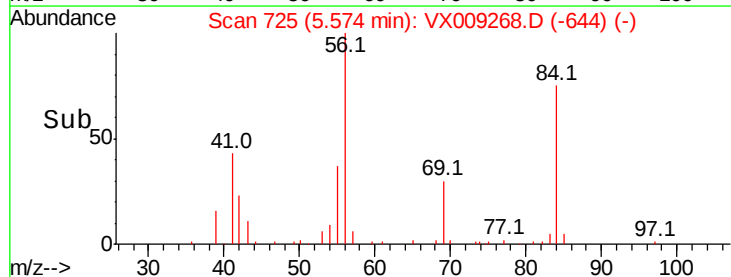
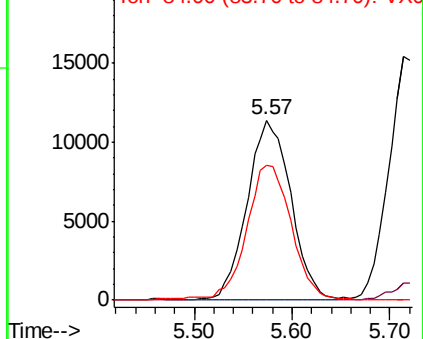
84 75.7 59.7 89.5

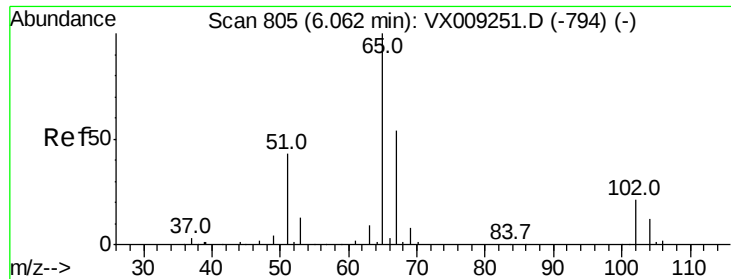


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 29.264 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 65 Resp: 77764

Ion Ratio Lower Upper

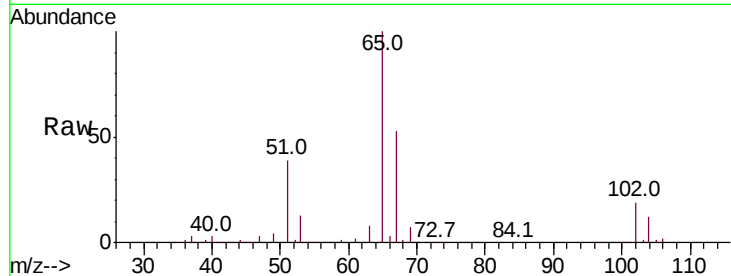
65 100

67 54.0 43.1 64.7

Manual Integrations
APPROVED

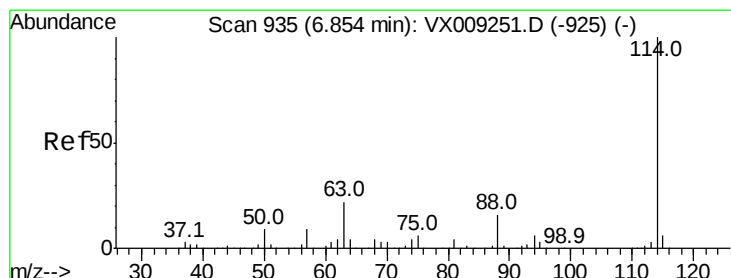
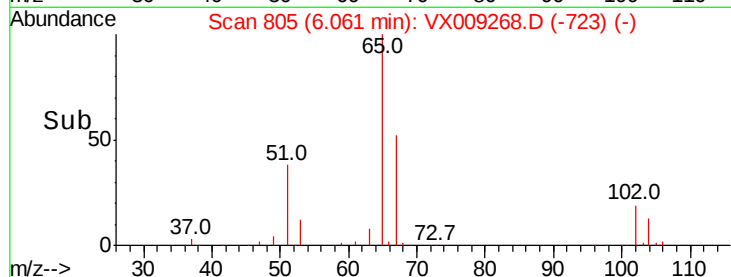
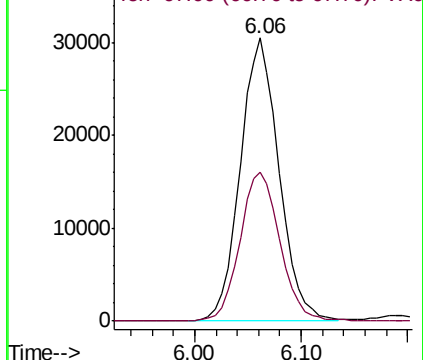
MMDadoda

5/3/2019 11:19:41 AM



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.01 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

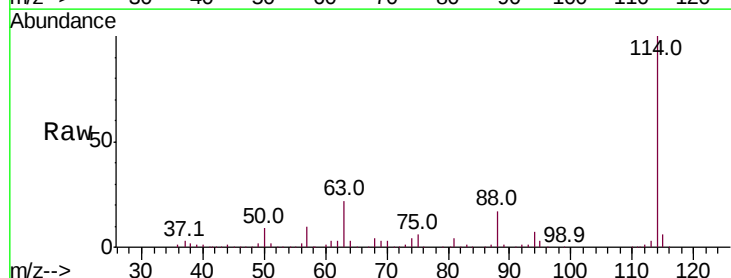
Tgt Ion: 114 Resp: 182535

Ion Ratio Lower Upper

114 100

63 23.3 18.0 27.0

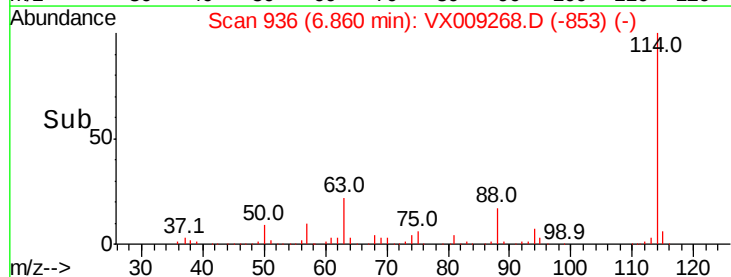
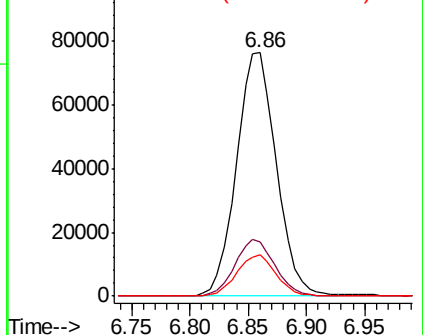
88 16.6 13.4 20.0

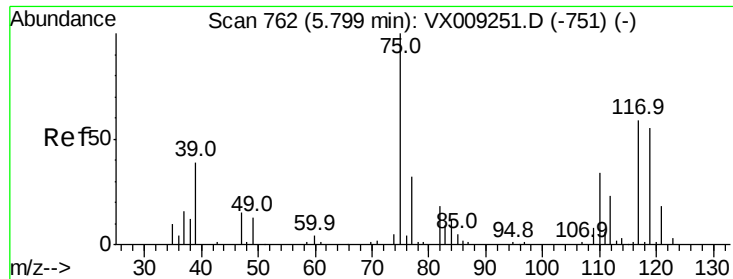


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





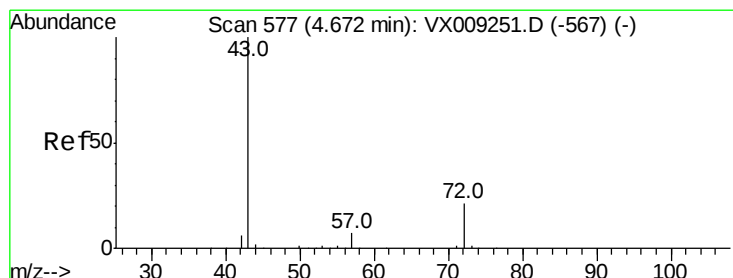
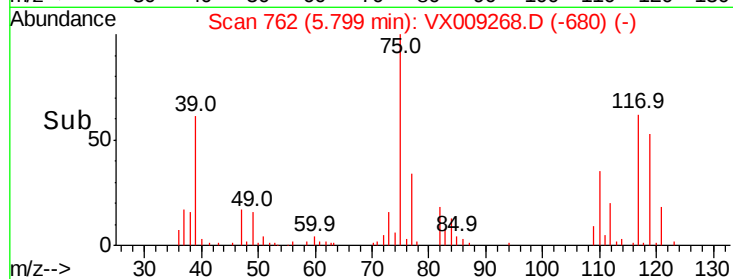
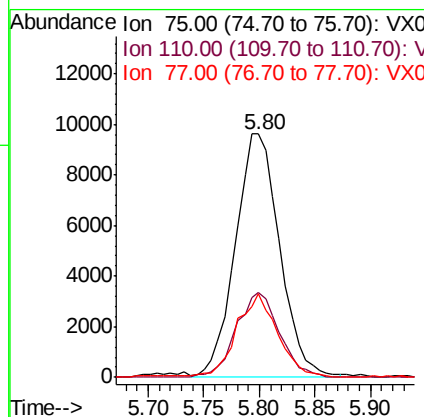
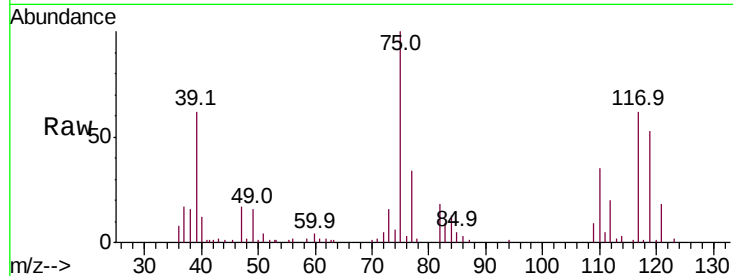
#29
 1,1-Dichloropropene
 Concen: 9.976 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.9	0.0	66.4
77	31.8	0.0	62.2

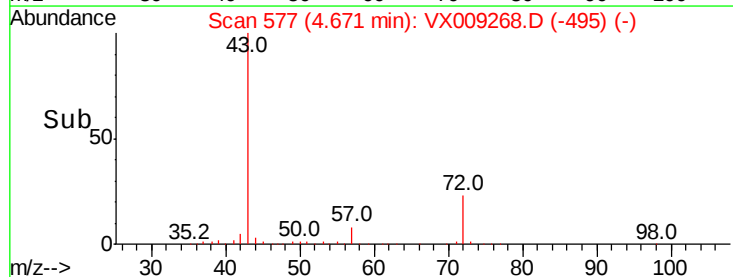
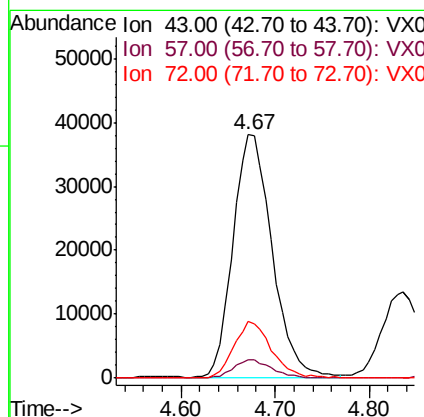
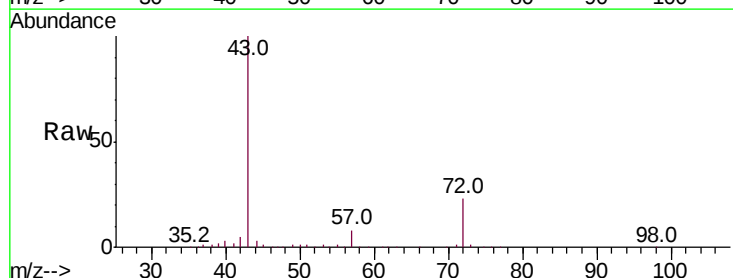
Manual Integrations
 APPROVED

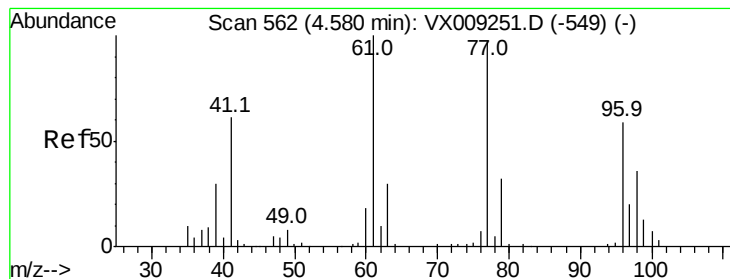
MMDadoda
 5/3/2019 11:19:41 AM



#30
 2-Butanone
 Concen: 52.468 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.5	6.0	9.0
72	22.5	18.2	27.4





#31

2,2-Dichloropropane

Concen: 10.073 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 77 Resp: 29742

Ion Ratio Lower Upper

77 100

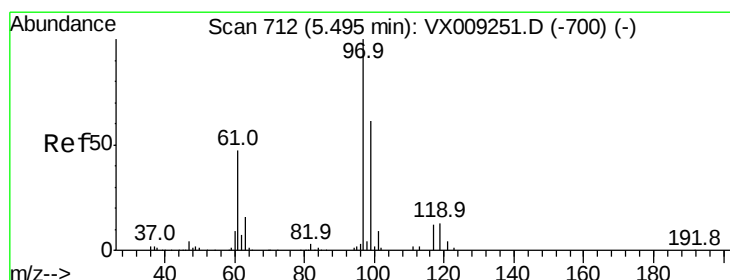
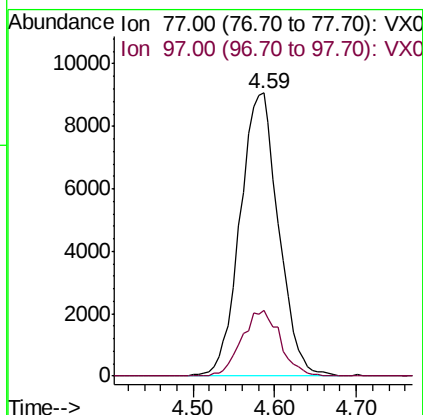
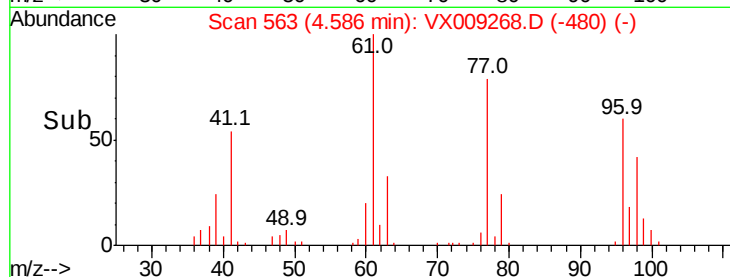
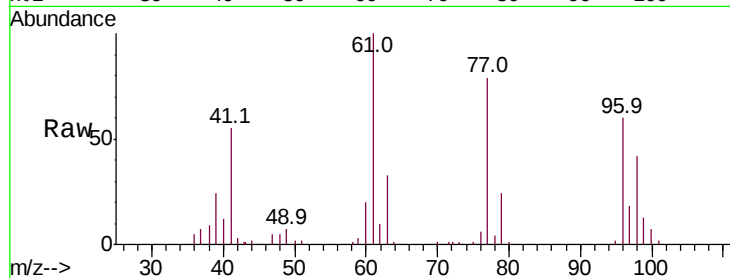
97 23.2 18.3 27.5

Manual Integrations

APPROVED

MMDadoda

5/3/2019 11:19:41 AM



#32

1,1,1-Trichloroethane

Concen: 10.385 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

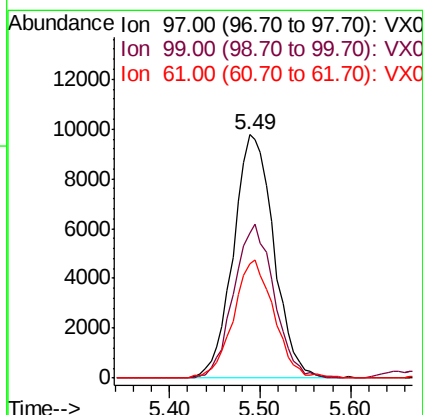
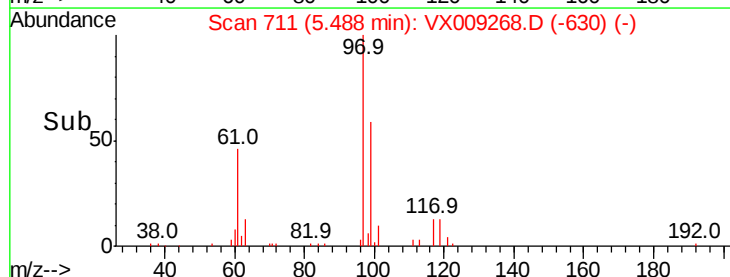
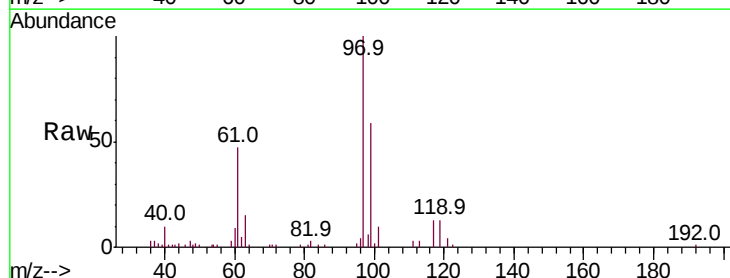
Tgt Ion: 97 Resp: 30153

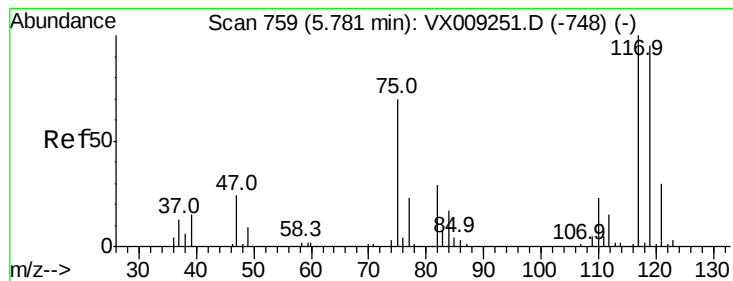
Ion Ratio Lower Upper

97 100

99 62.6 53.9 80.9

61 48.1 38.6 58.0





#33

Carbon Tetrachloride

Concen: 10.208 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:117 Resp: 24798

Ion Ratio Lower Upper

117 100

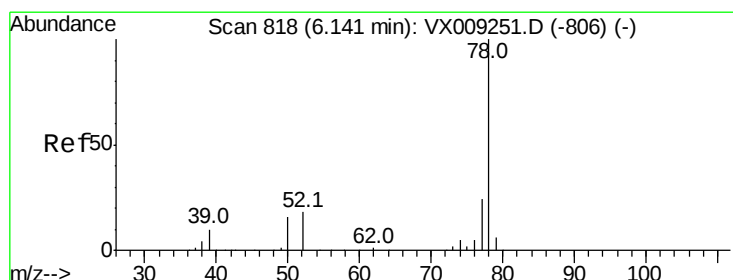
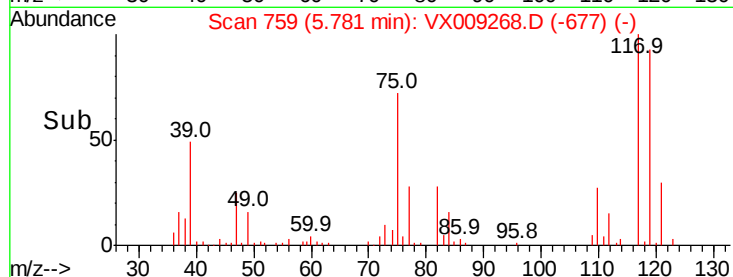
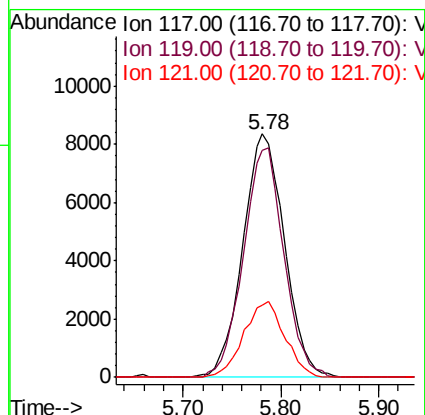
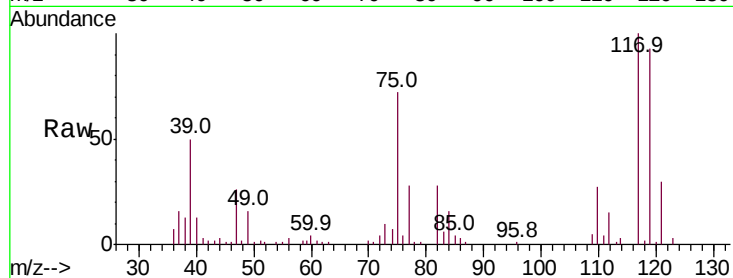
119 93.2 76.1 114.1

121 29.8 24.4 36.6

Manual Integrations
APPROVED

MMDadoda

5/3/2019 11:19:41 AM



#34

Benzene

Concen: 10.322 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

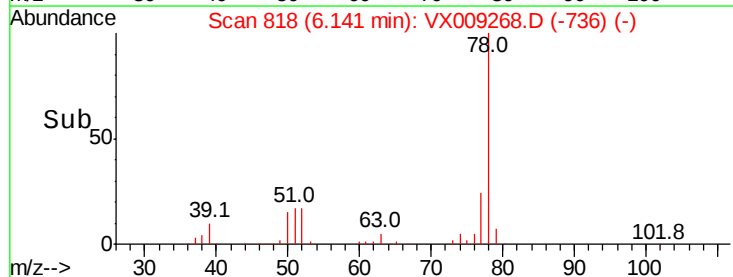
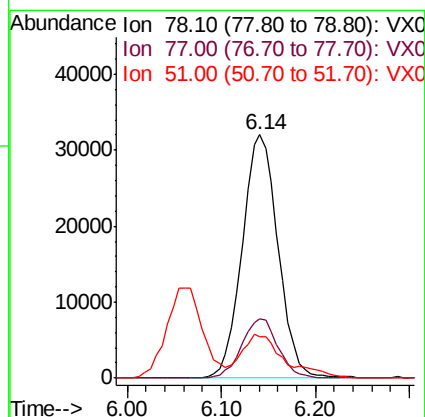
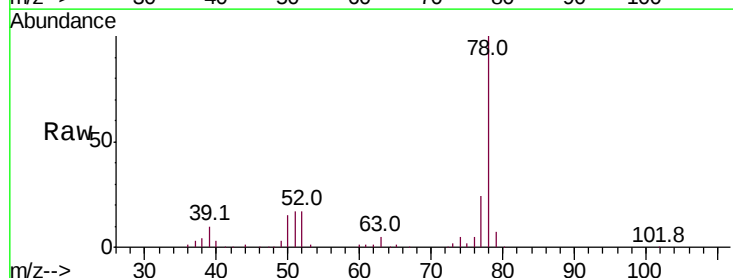
Tgt Ion: 78 Resp: 85237

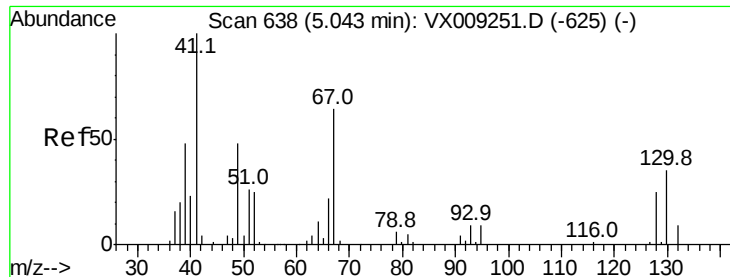
Ion Ratio Lower Upper

78 100

77 24.3 18.8 28.2

51 16.5 13.5 20.3





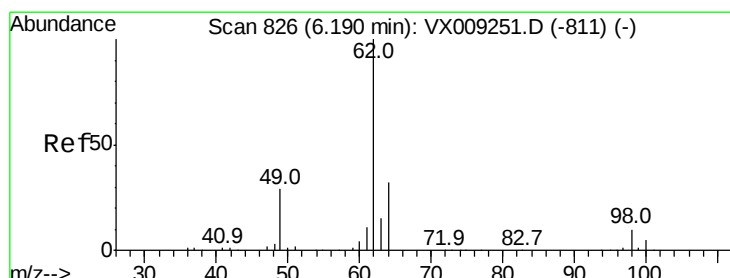
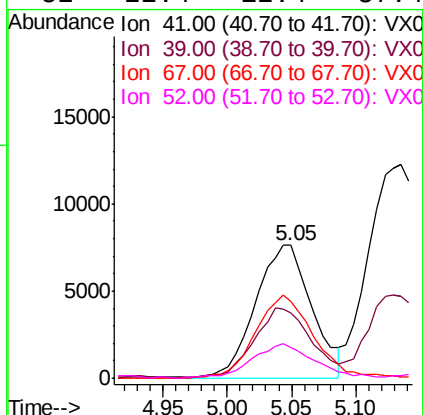
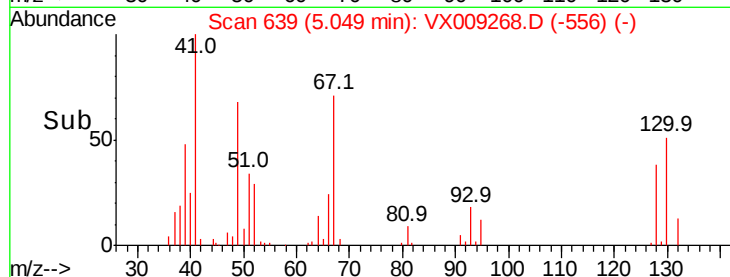
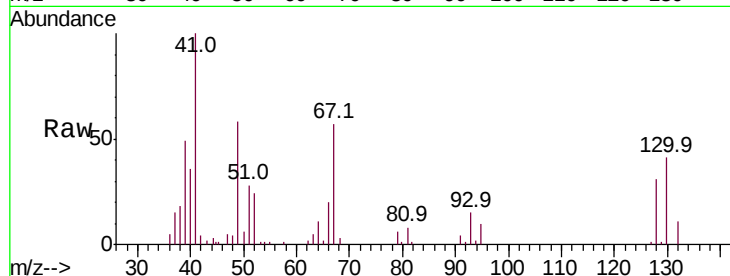
#35
Methacrylonitrile
Concen: 10.557 ug/l
RT: 5.05 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
41	100		
39	47.8	24.1	72.3
67	57.5	32.2	96.6
52	22.4	12.4	37.4

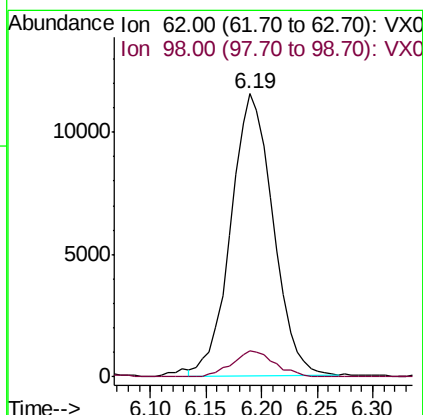
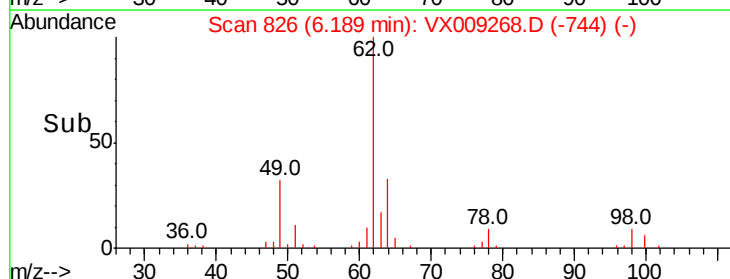
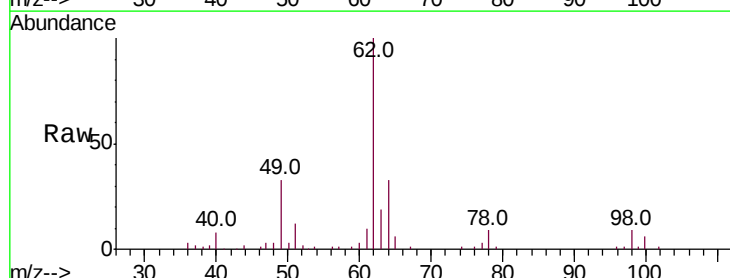
Manual Integrations
APPROVED

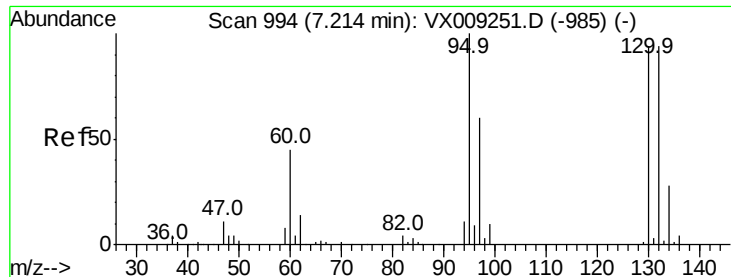
MMDadoda
5/3/2019 11:19:41 AM



#36
1,2-Dichloroethane
Concen: 10.131 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	7.4	11.2





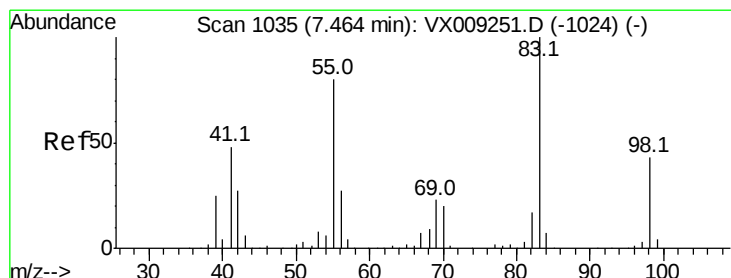
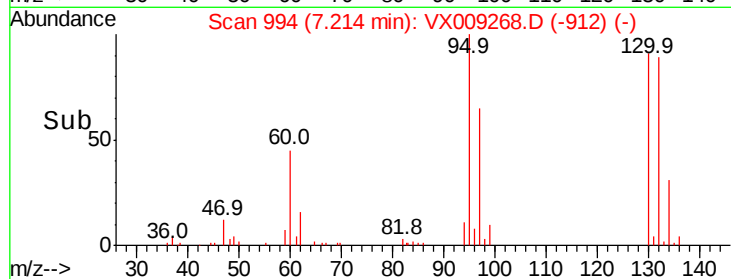
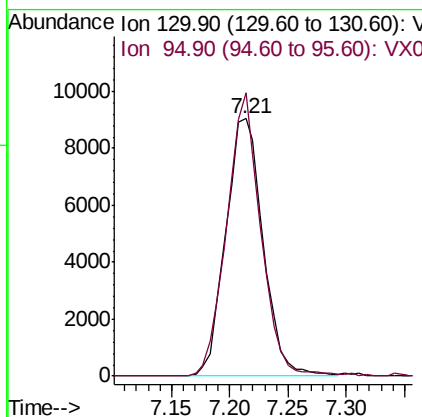
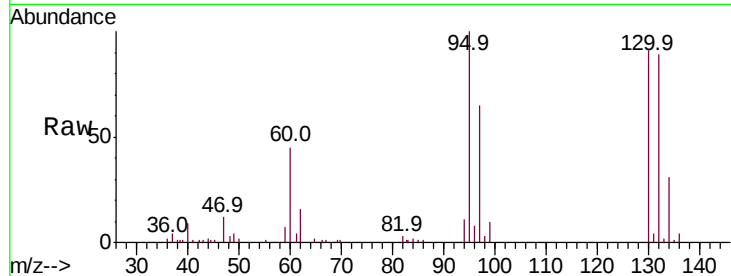
#37
 Trichloroethene
 Concen: 10.140 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion:130 Resp: 20156
 Ion Ratio Lower Upper
 130 100
 95 110.0 85.0 127.4

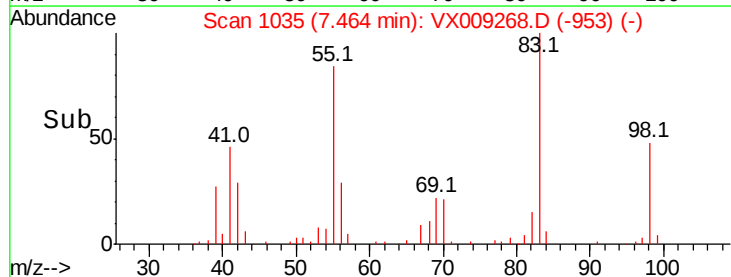
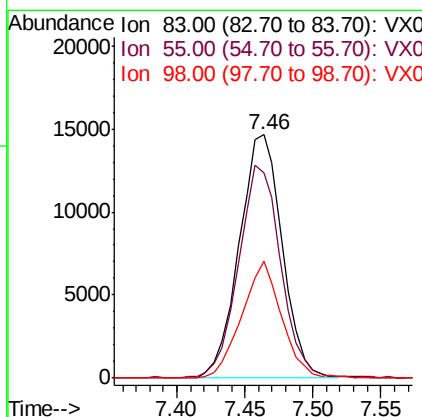
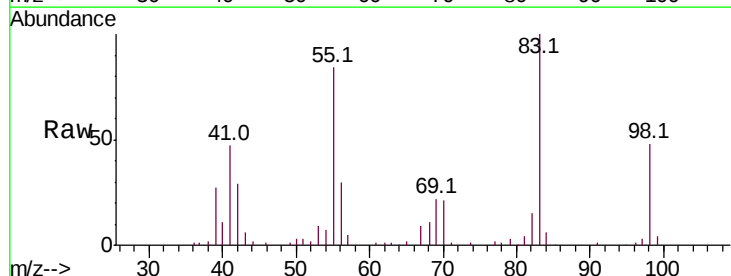
Manual Integrations
 APPROVED

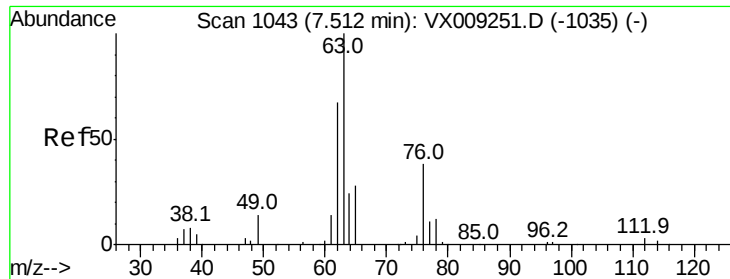
MMDadoda
 5/3/2019 11:19:41 AM



#38
 Methylcyclohexane
 Concen: 9.785 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

Tgt Ion: 83 Resp: 32381
 Ion Ratio Lower Upper
 83 100
 55 86.1 43.0 129.2
 98 44.2 22.1 66.1





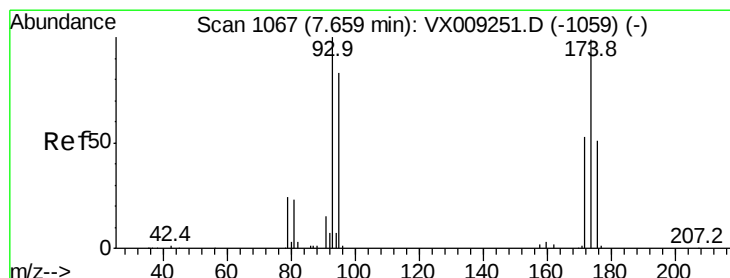
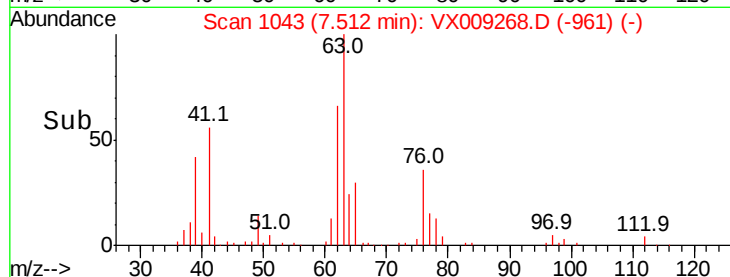
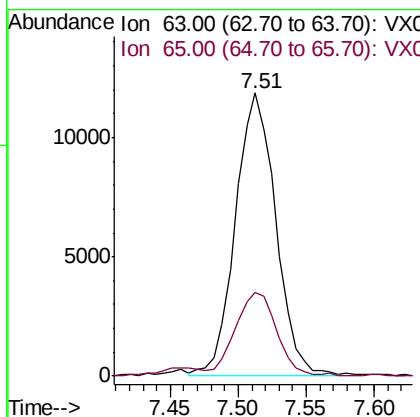
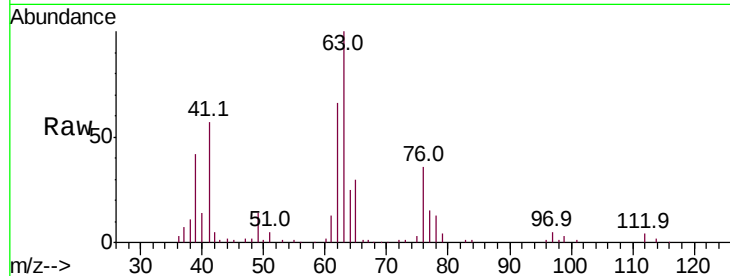
#39
 1,2-Dichloropropane
 Concen: 10.497 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion: 63 Resp: 24683
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.0 36.0

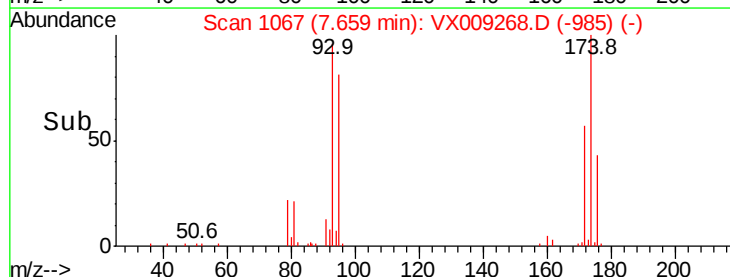
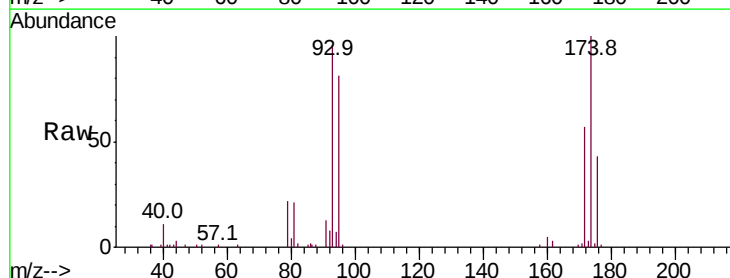
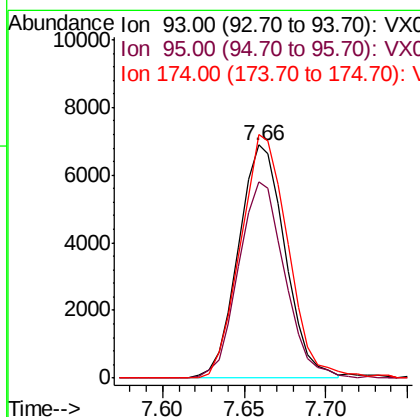
Manual Integrations
 APPROVED

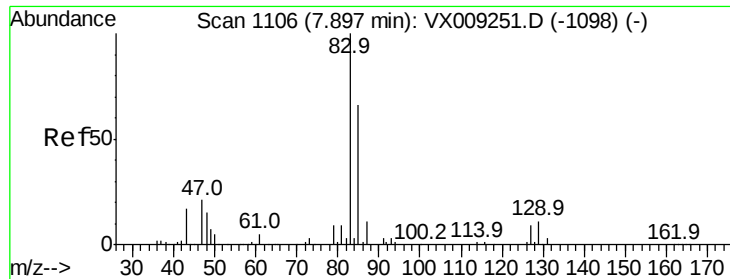
MMDadoda
 5/3/2019 11:19:41 AM



#40
 Dibromomethane
 Concen: 10.312 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

Tgt Ion: 93 Resp: 13763
 Ion Ratio Lower Upper
 93 100
 95 83.3 0.0 167.2
 174 105.8 0.0 203.4





#41

Bromodichloromethane

Concen: 10.097 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

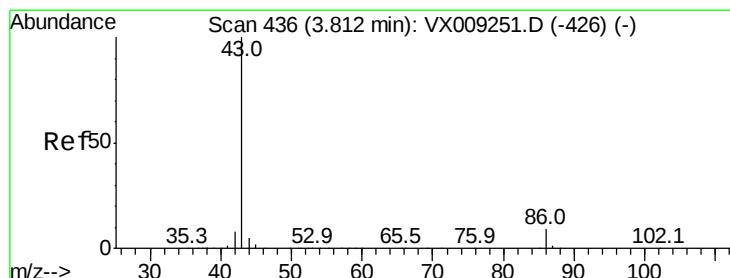
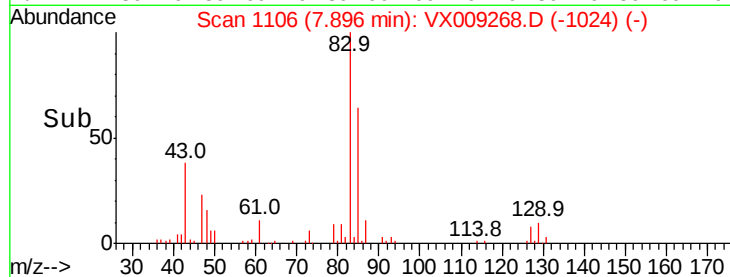
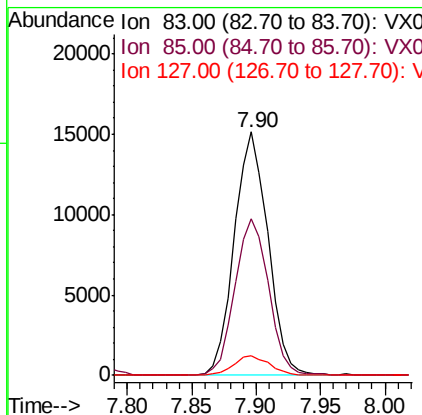
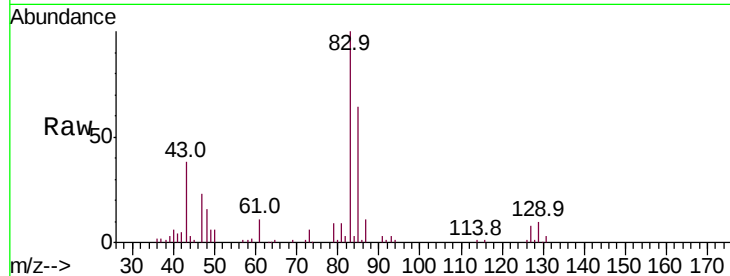
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	83	Resp:	27527
Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.6	79.0
127	7.9	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
5/3/2019 11:19:41 AM



#42

Vinyl Acetate

Concen: 50.267 ug/l

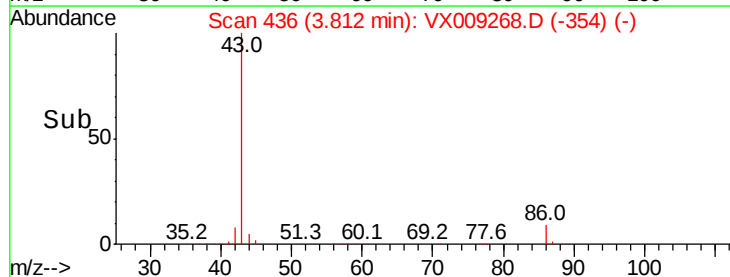
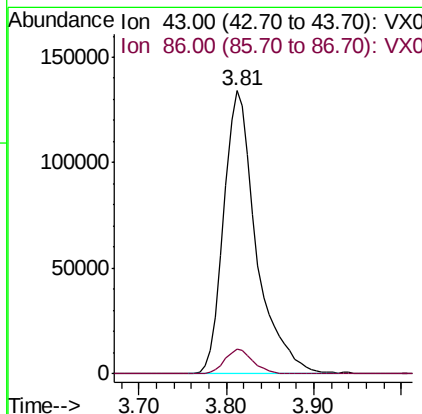
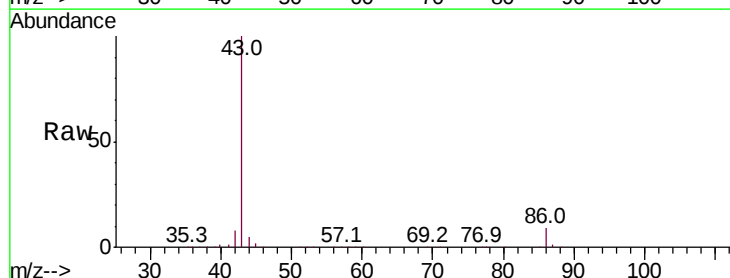
RT: 3.81 min Scan# 436

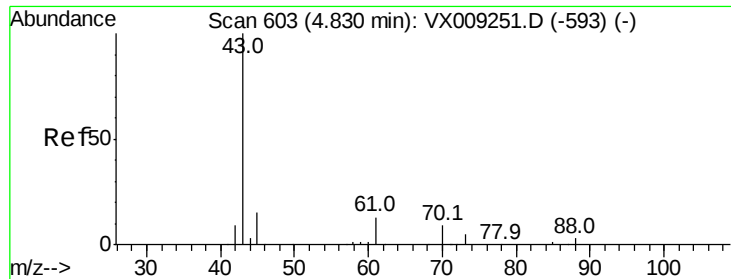
Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Tgt Ion:	43	Resp:	347993
Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.0	9.0





#43

Ethyl Acetate

Concen: 10.851 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 43 Resp: 41129

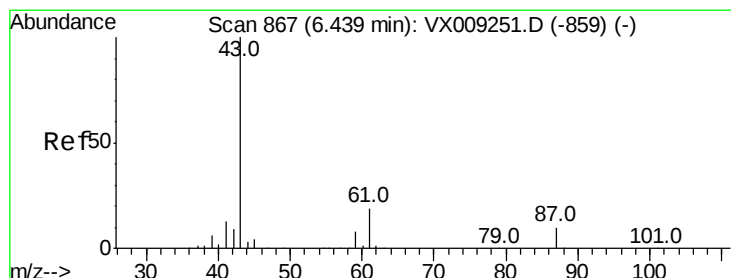
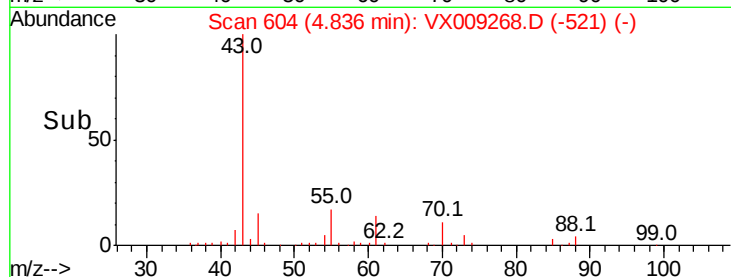
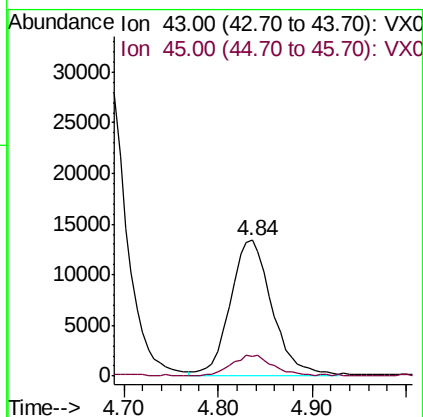
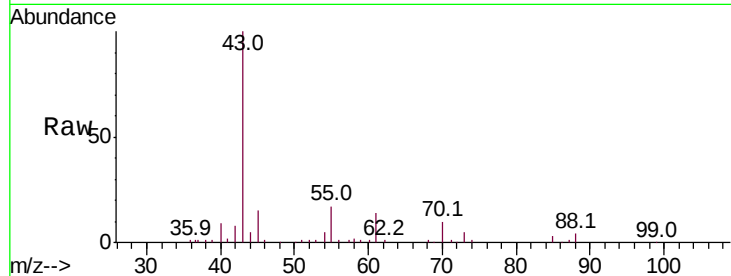
Ion Ratio Lower Upper

43 100

45 15.8 11.8 17.8

Manual Integrations
APPROVED

MMDadoda
5/3/2019 11:19:41 AM



#44

Isopropyl Acetate

Concen: 10.139 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.01 min

Lab File: VX009268.D

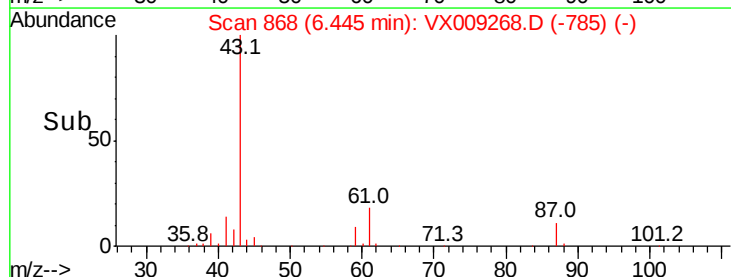
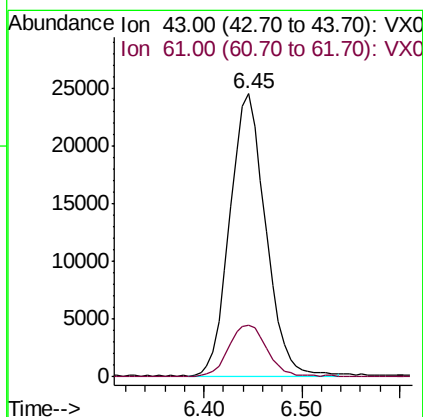
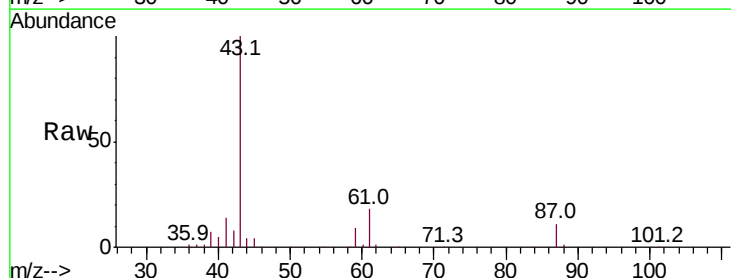
Acq: 02 May 2019 11:27

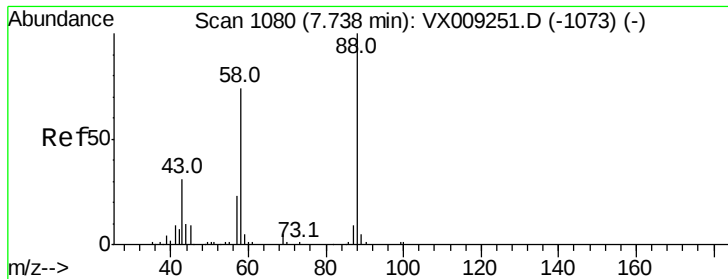
Tgt Ion: 43 Resp: 62254

Ion Ratio Lower Upper

43 100

61 19.5 15.4 23.2





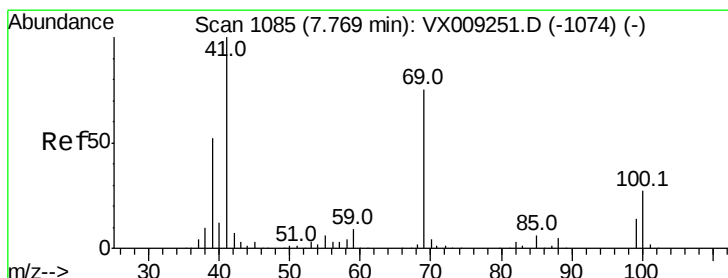
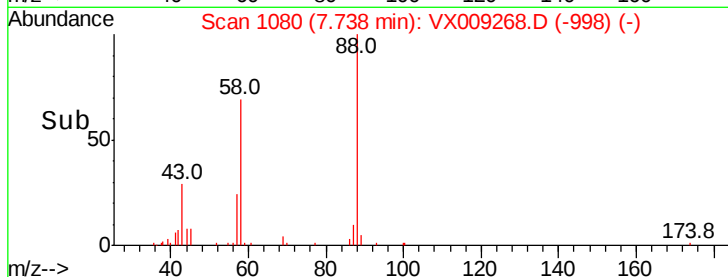
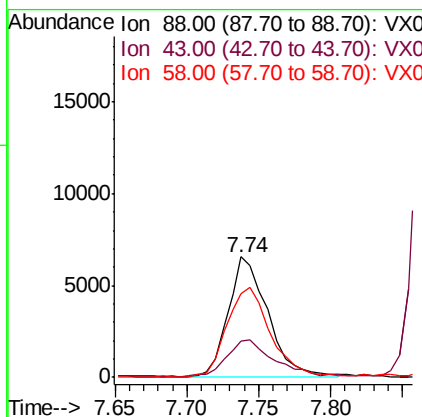
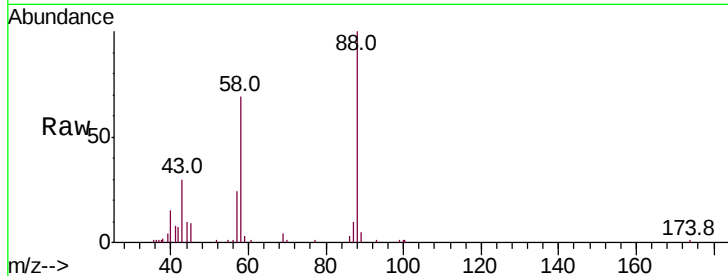
#45
1,4-Dioxane
Concen: 209.673 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.3	28.5	42.7
58	81.8	62.5	93.7

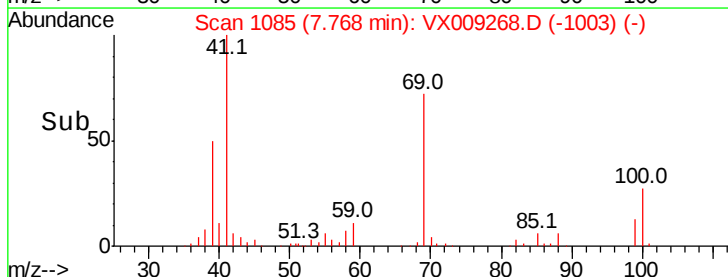
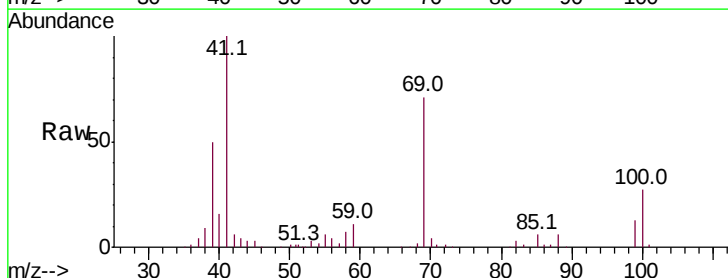
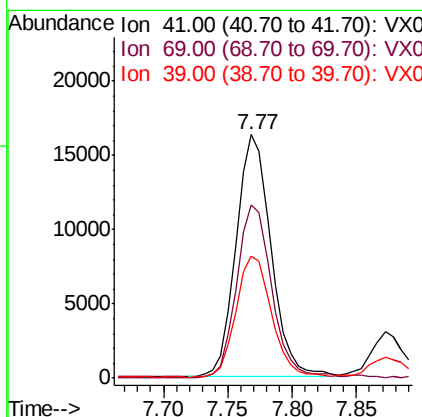
Manual Integrations
APPROVED

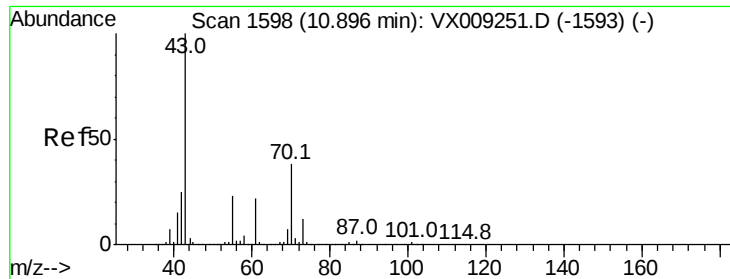
MMDadoda
5/3/2019 11:19:41 AM



#46
Methyl methacrylate
Concen: 10.029 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion	Ratio	Lower	Upper
41	100		
69	71.9	37.6	112.8
39	50.2	25.8	77.3





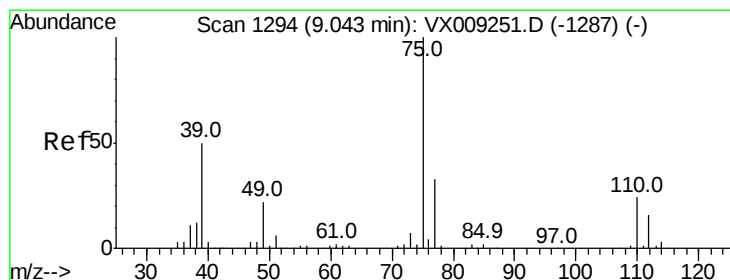
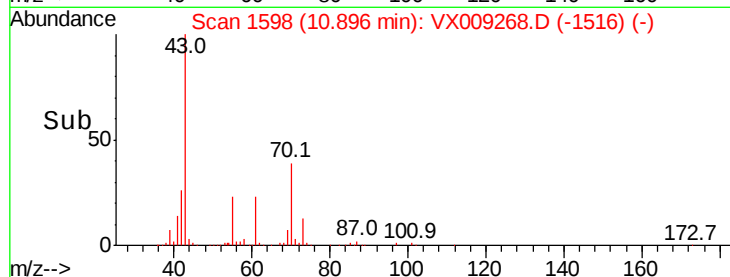
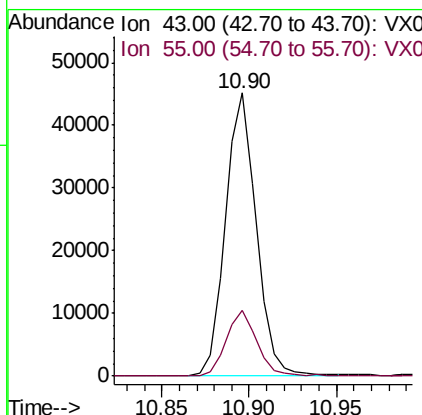
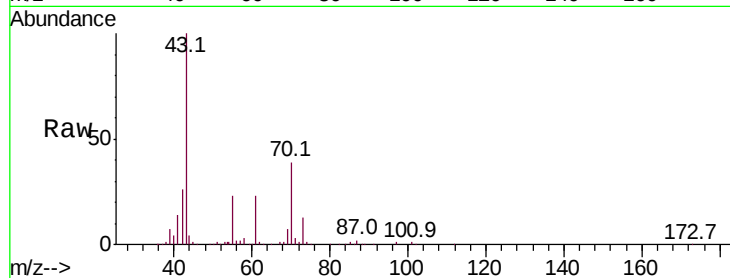
#47
n-amvl Acetate
Concen: 9.967 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	43	Ratio	100	Resp	55132
Ion	43	100		Lower	Upper
	55	23.4		18.2	27.4

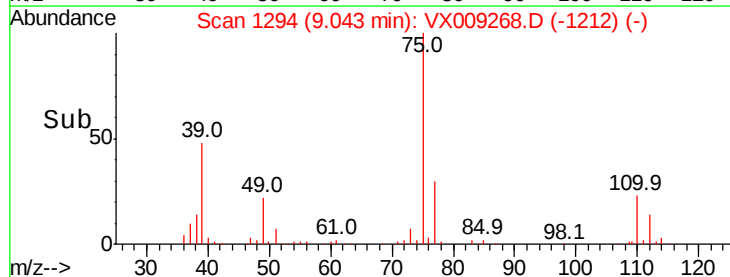
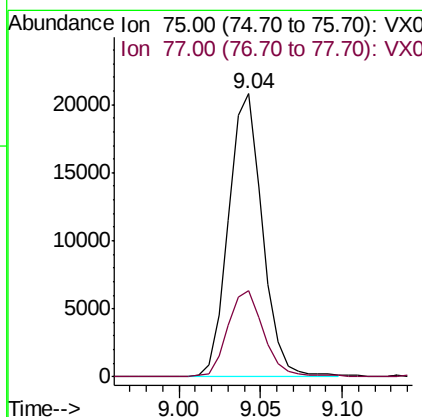
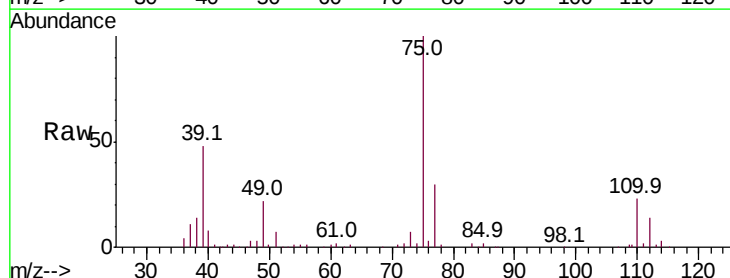
Manual Integrations
APPROVED

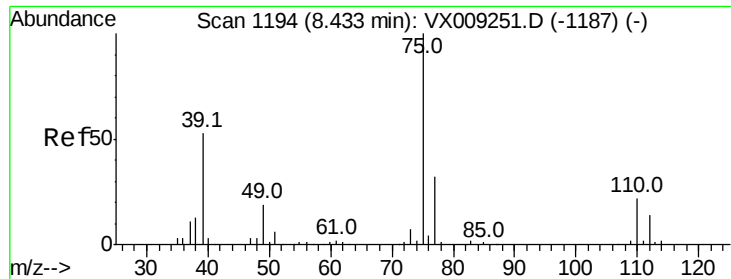
MMDadoda
5/3/2019 11:19:41 AM



#48
t-1,3-Dichloropropene
Concen: 9.481 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion	75	Ratio	100	Resp	30156
Ion	75	100		Lower	Upper
	77	30.4		26.5	39.7





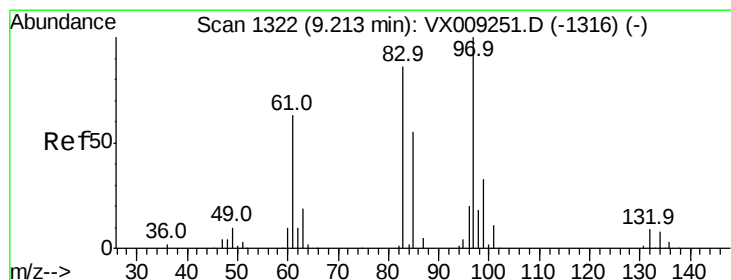
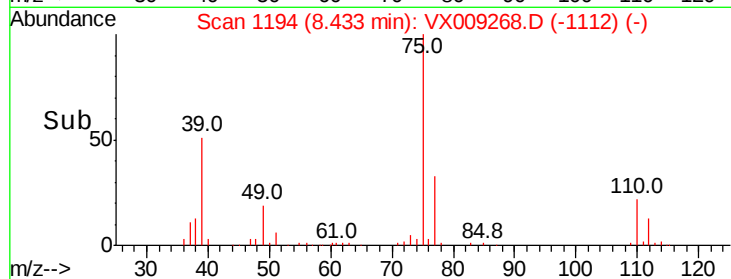
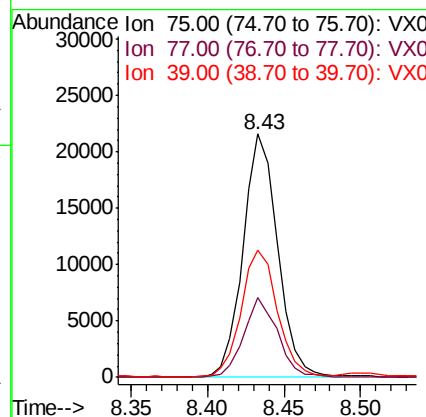
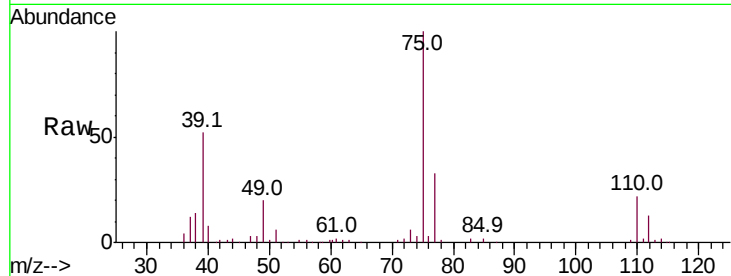
#49
 cis-1,3-Dichloropropene
 Concen: 9.723 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion:	75	Resp:	33953
Ion Ratio	Lower	Upper	
75	100		
77	32.6	26.0	39.0
39	52.0	42.6	63.8

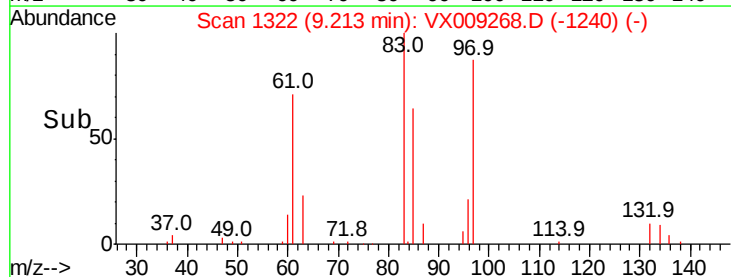
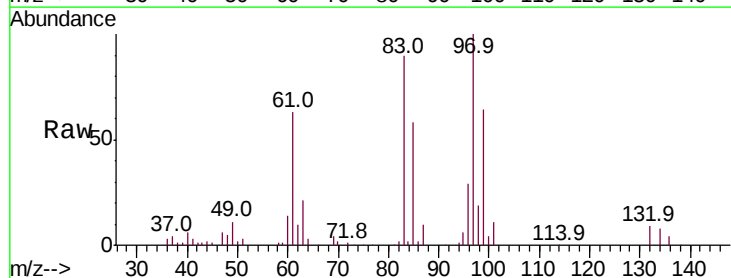
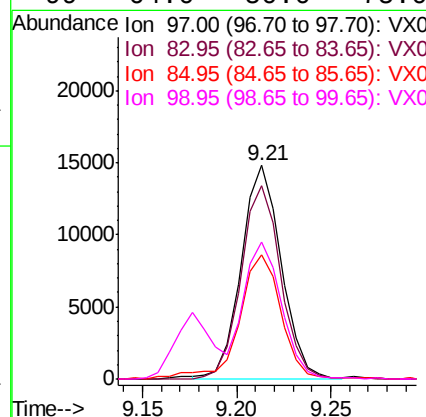
Manual Integrations
 APPROVED

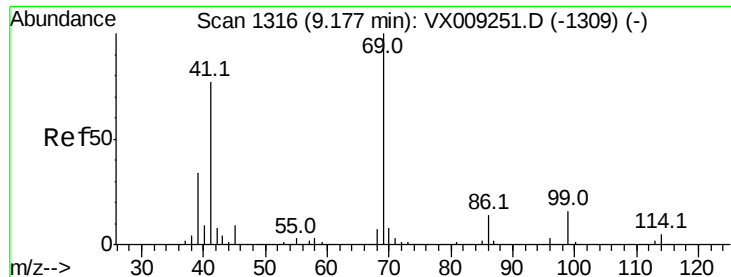
MMDadoda
 5/3/2019 11:19:41 AM



#50
 1,1,2-Trichloroethane
 Concen: 10.672 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

Tgt Ion:	97	Resp:	21821
Ion Ratio	Lower	Upper	
97	100		
83	90.9	68.8	103.2
85	58.0	45.8	68.6
99	64.0	50.0	75.0





#51

Ethyl methacrylate

Concen: 9.859 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009268.D

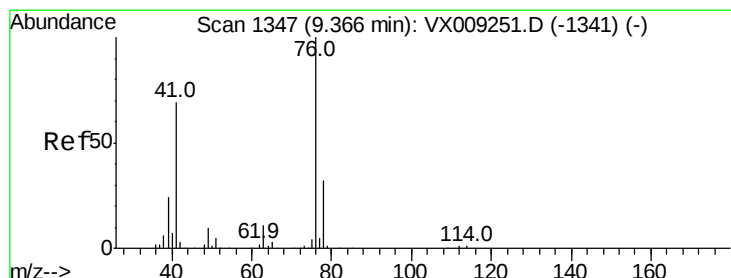
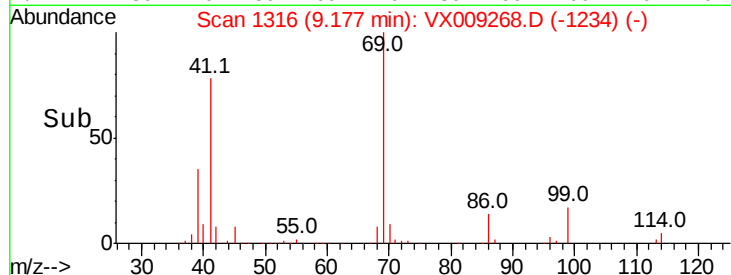
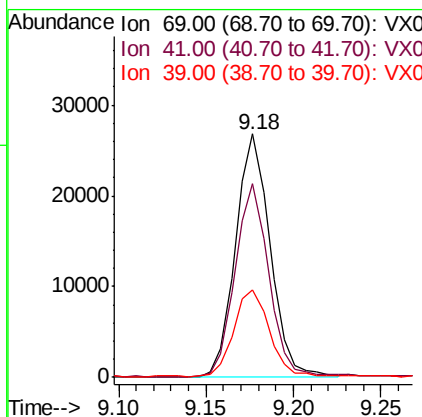
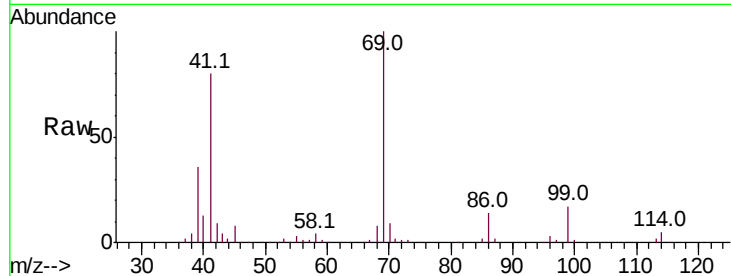
Acq: 02 May 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion:	69	Resp:	37255
Ion	Ratio	Lower	Upper
69	100		
41	79.3	38.4	115.2
39	35.7	17.2	51.5

Manual Integrations
APPROVED

MMDadoda
5/3/2019 11:19:41 AM



#52

1,3-Dichloropropane

Concen: 10.471 ug/l

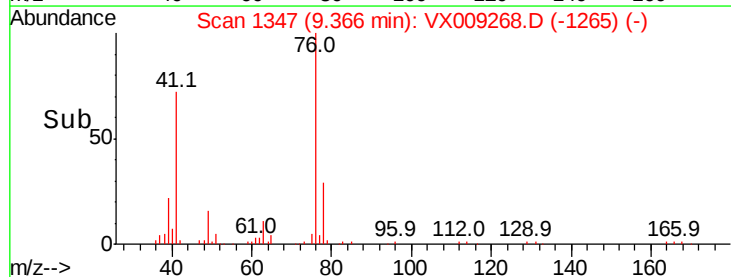
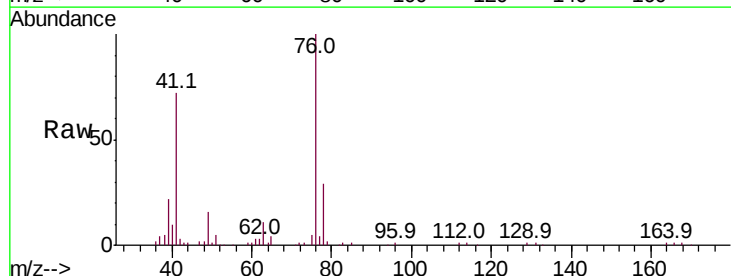
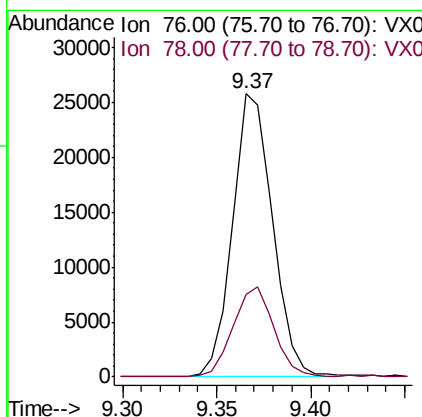
RT: 9.37 min Scan# 1347

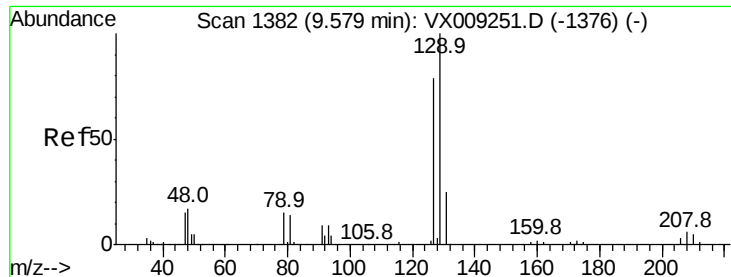
Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Tgt Ion:	76	Resp:	37998
Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	64.2





#53

Dibromochloromethane

Concen: 9.967 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:129 Resp: 20296

Ion Ratio Lower Upper

129 100

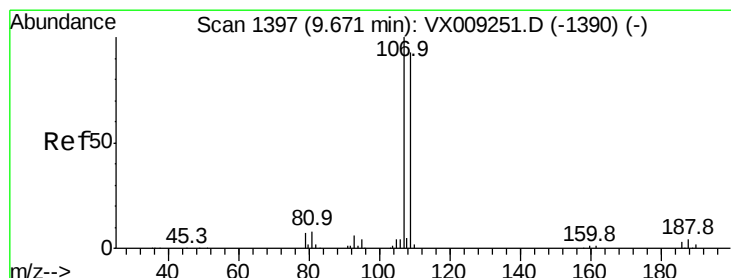
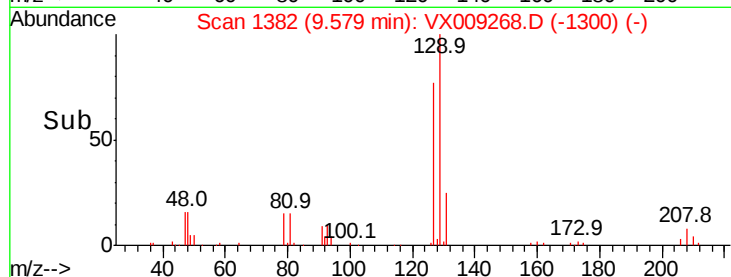
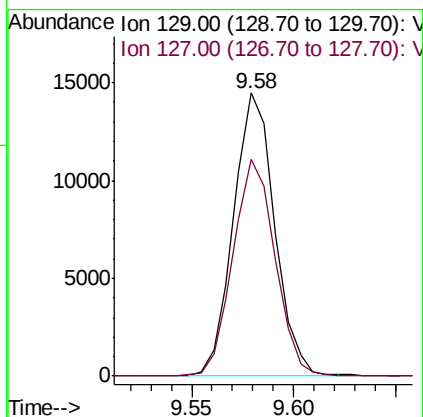
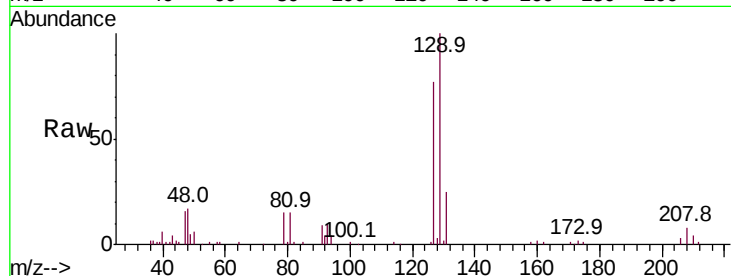
127 78.2 39.1 117.5

Manual Integrations

APPROVED

MMDadoda

5/3/2019 11:19:41 AM



#54

1,2-Dibromoethane

Concen: 10.416 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009268.D

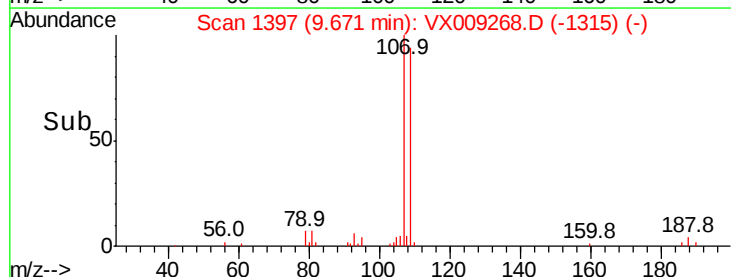
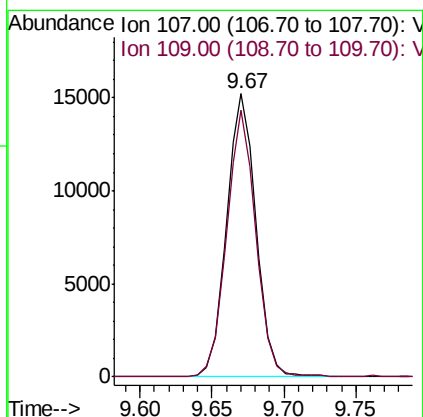
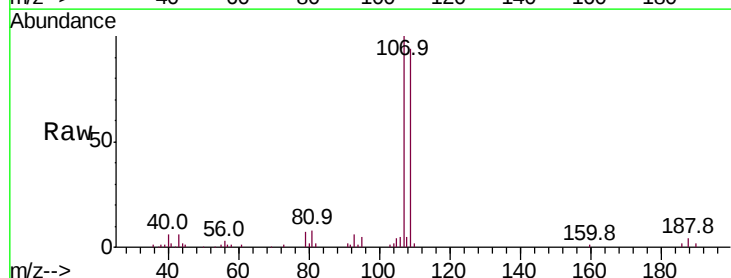
Acq: 02 May 2019 11:27

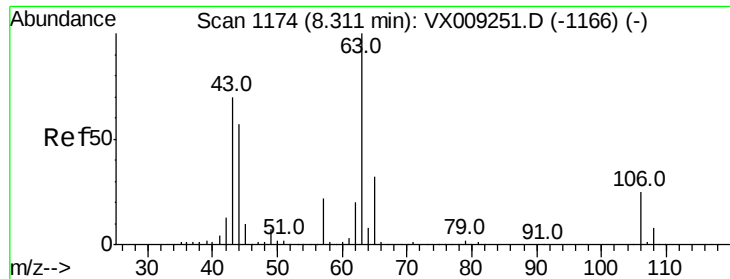
Tgt Ion:107 Resp: 21843

Ion Ratio Lower Upper

107 100

109 93.0 75.5 113.3





#55

2-Chloroethyl vinyl ether

Concen: 51.897 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

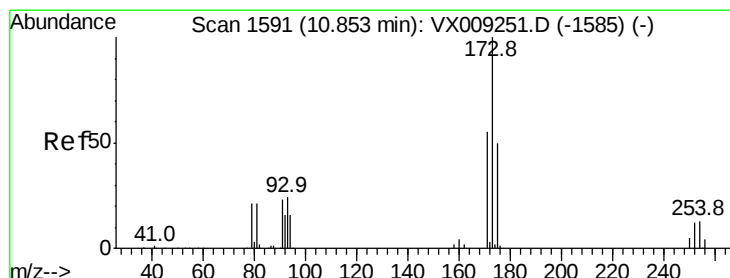
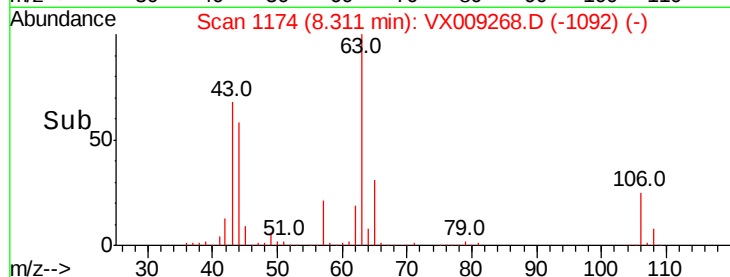
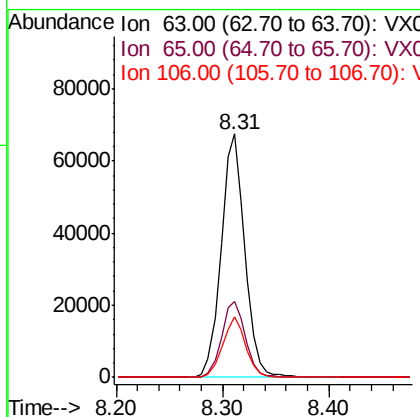
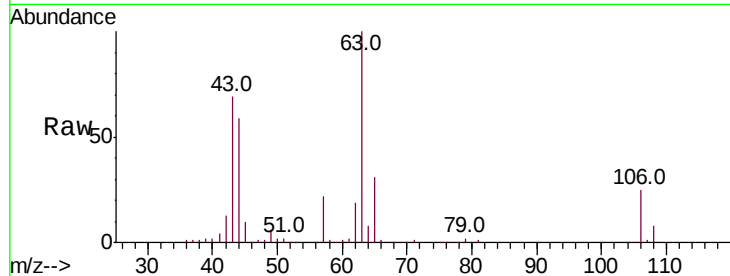
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	63	Resp:	104494
Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.8	38.6
106	24.0	19.8	29.6

Manual Integrations
APPROVED

MMDadoda
5/3/2019 11:19:41 AM



#56

Bromoform

Concen: 9.568 ug/l

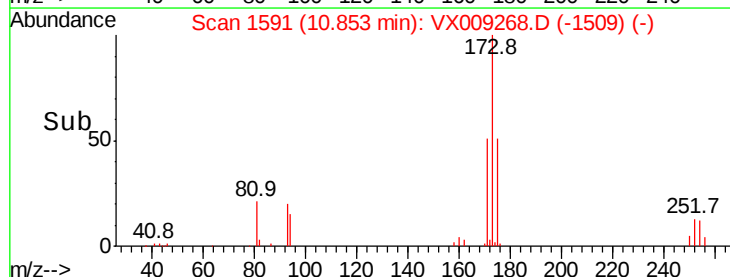
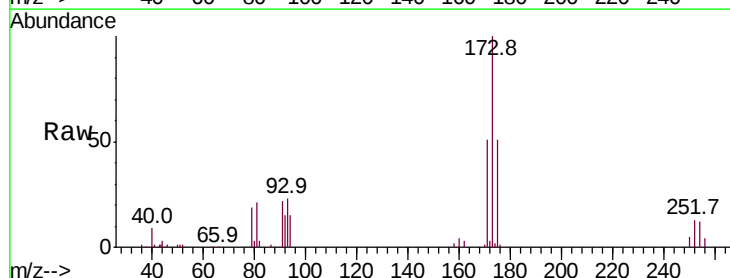
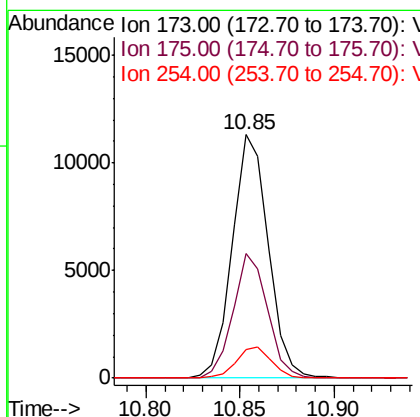
RT: 10.85 min Scan# 1591

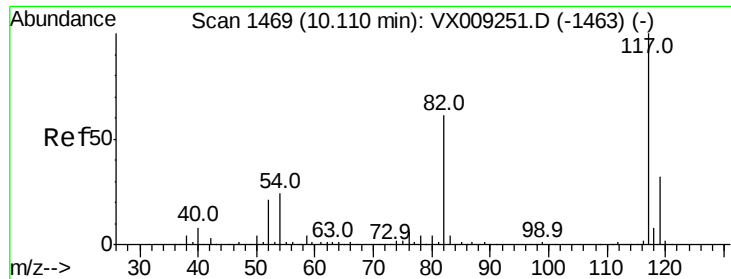
Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Tgt Ion:	173	Resp:	14956
Ion	Ratio	Lower	Upper
173	100		
175	49.0	39.4	59.2
254	12.5	9.9	14.9





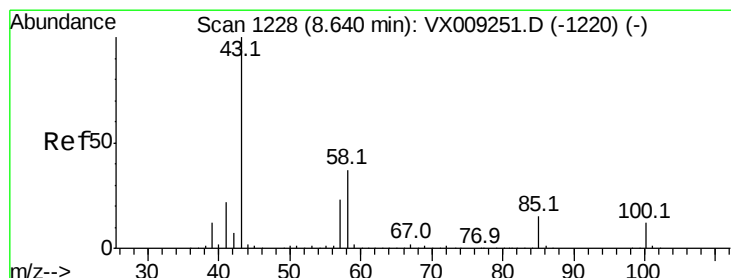
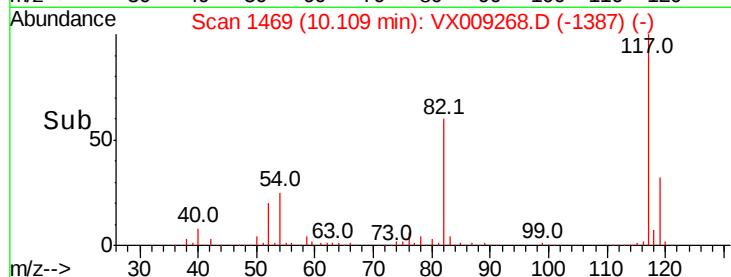
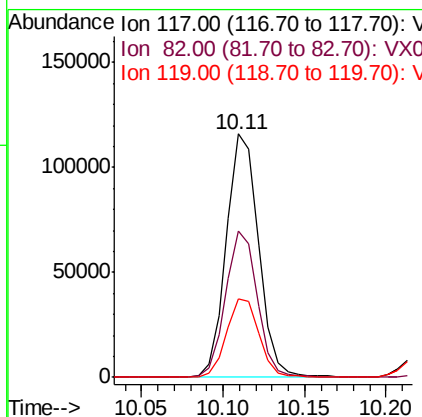
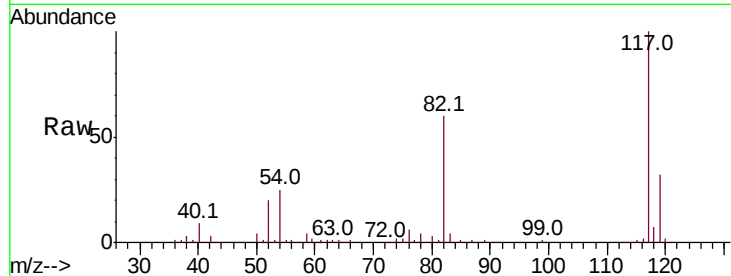
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
117	100	159588		
82	58.9	47.8	71.8	
119	32.7	25.6	38.4	

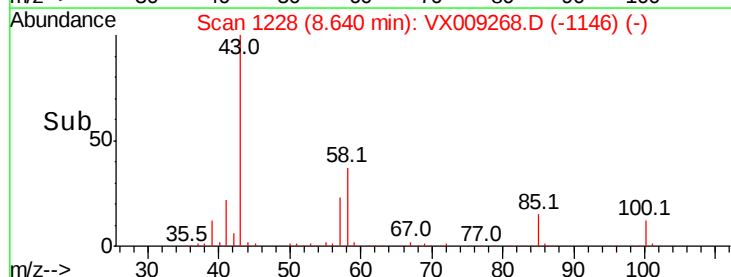
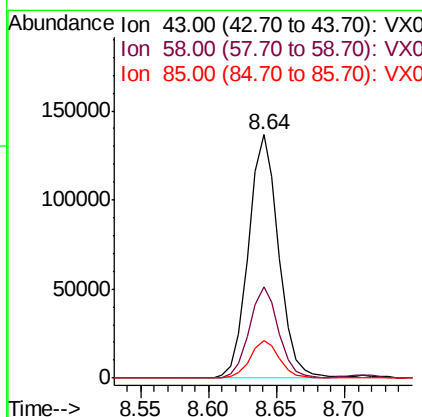
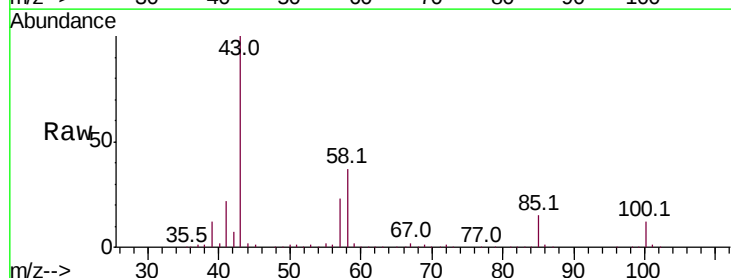
Manual Integrations
APPROVED

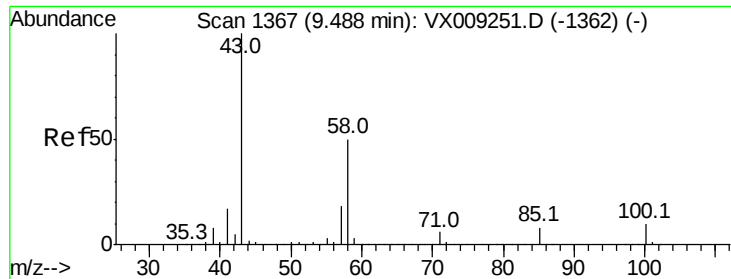
MMDadoda
5/3/2019 11:19:41 AM



#58
4-Methyl-2-Pentanone
Concen: 54.138 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	212441		
58	36.4	29.4	44.0	
85	15.2	11.8	17.8	





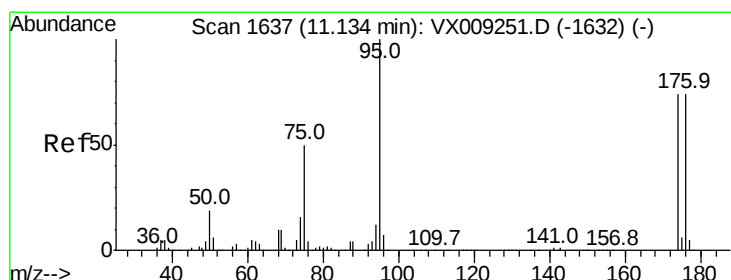
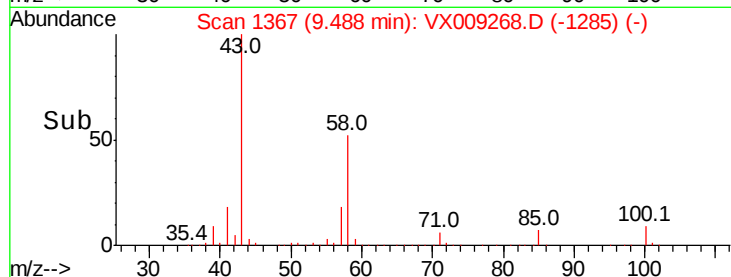
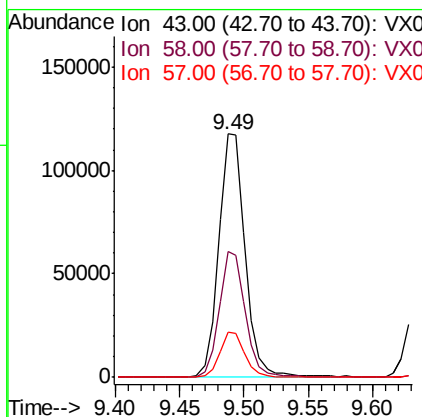
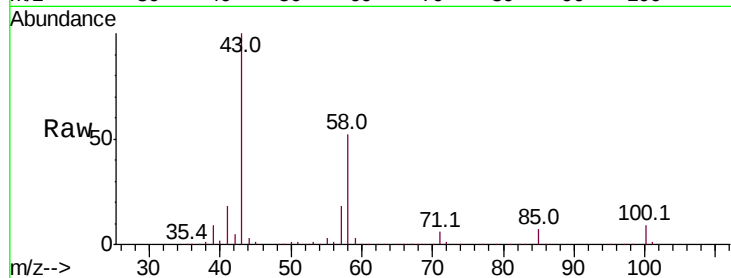
#59
2-Hexanone
Concen: 54.988 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.8	40.8	61.2
57	17.9	14.1	21.1

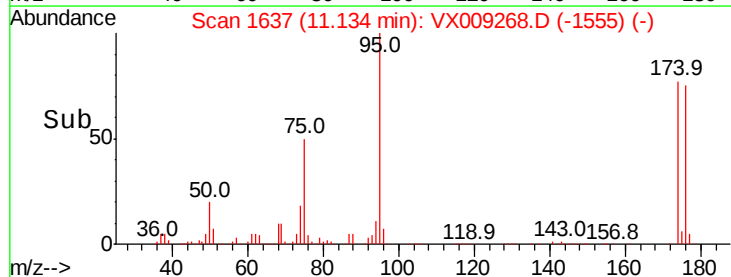
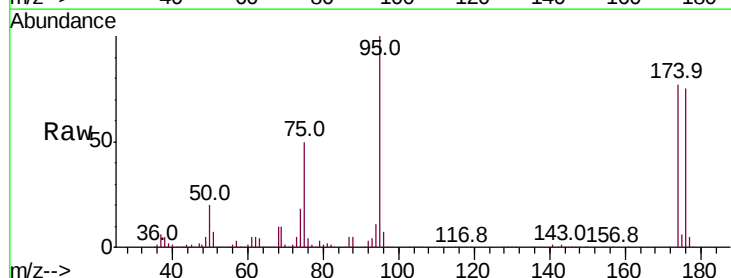
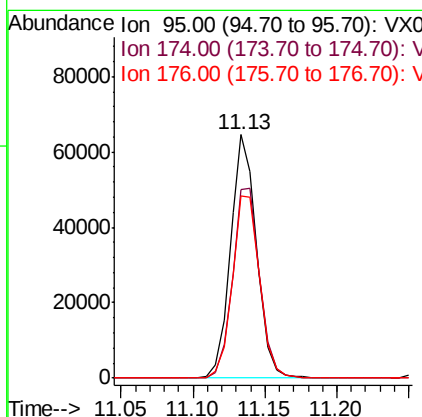
Manual Integrations
APPROVED

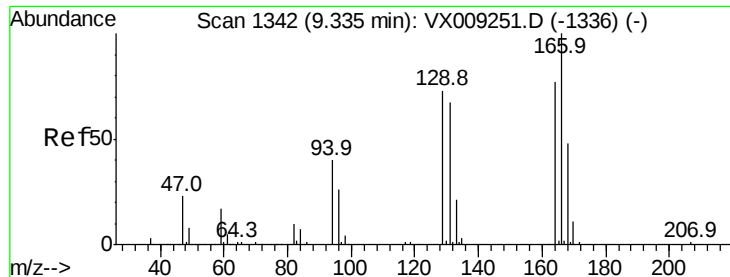
MMDadoda
5/3/2019 11:19:41 AM



#60
4-Bromofluorobenzene
Concen: 30.091 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.8	63.6	95.4
176	78.6	62.4	93.6





#61

Tetrachloroethene

Concen: 11.107 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009268.D

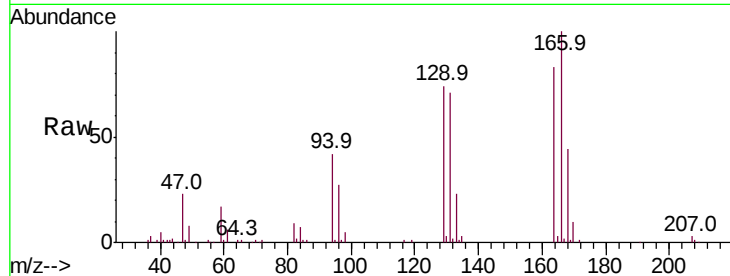
Acq: 02 May 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

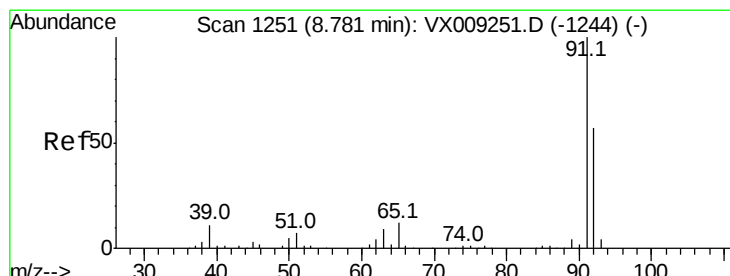
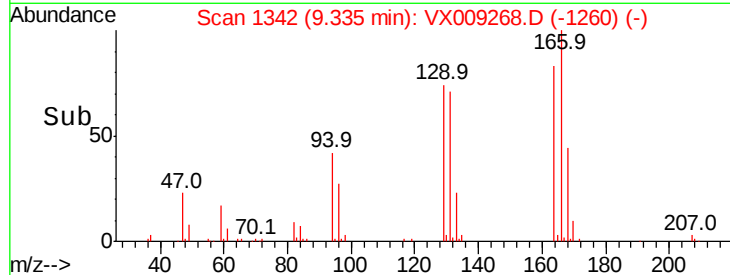
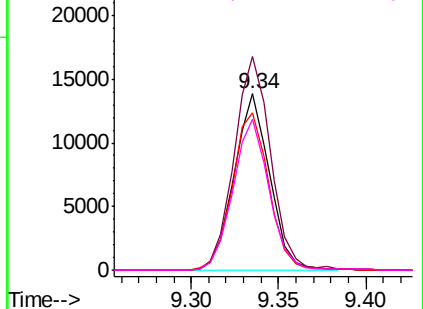
Tot Ion:	164	Resp:	19541
Ion	Ratio	Lower	Upper
164	100		
166	121.2	104.1	156.1
129	89.3	76.0	114.0
131	85.7	70.1	105.1

Manual Integrations
APPROVED

MMDadoda
5/3/2019 11:19:41 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: 10.542 ug/l

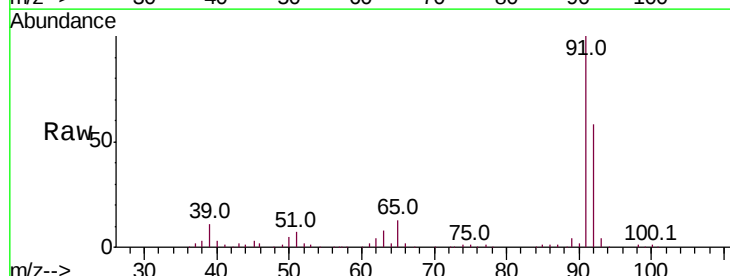
RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

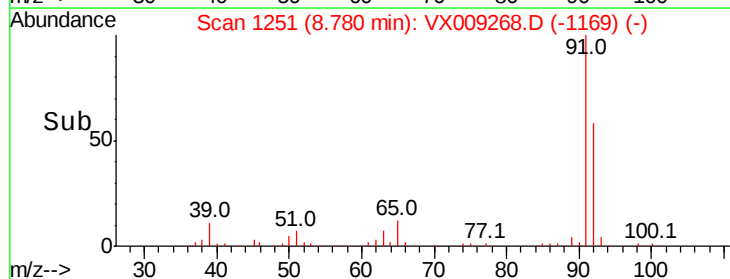
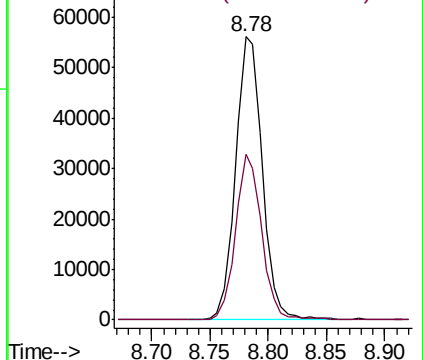
Lab File: VX009268.D

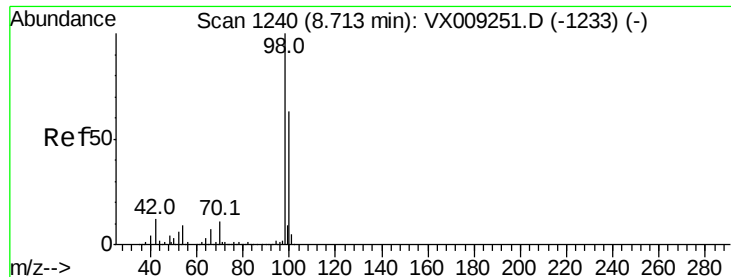
Acq: 02 May 2019 11:27

Tgt Ion:	91	Resp:	89900
Ion	Ratio	Lower	Upper
91	100		
92	56.6	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: 30.923 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 98 Resp: 233969

Ion Ratio Lower Upper

98 100

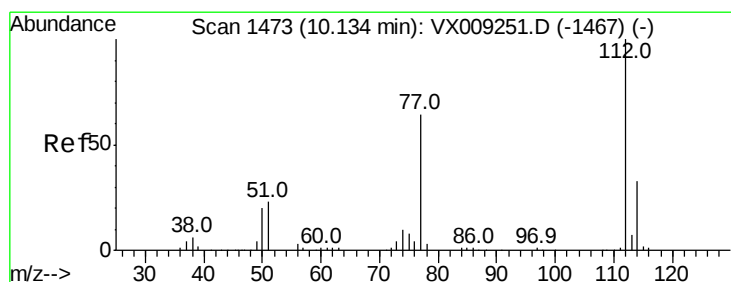
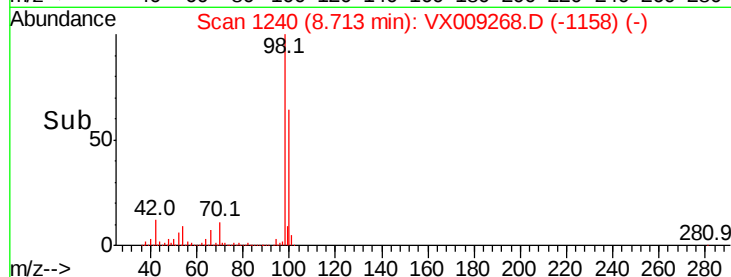
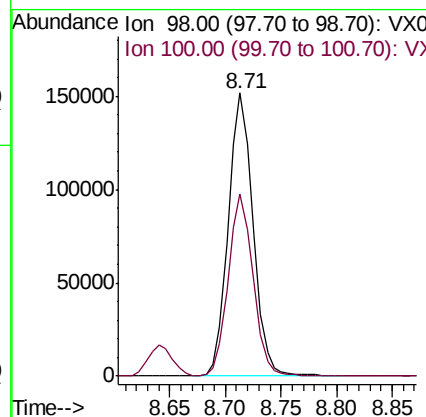
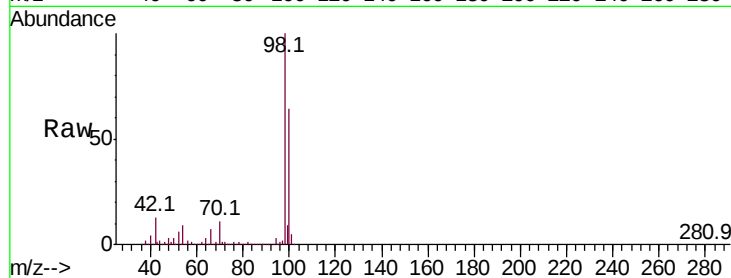
100 64.3 52.3 78.5

Manual Integrations

APPROVED

MMDadoda

5/3/2019 11:19:41 AM



#64

Chlorobenzene

Concen: 10.479 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009268.D

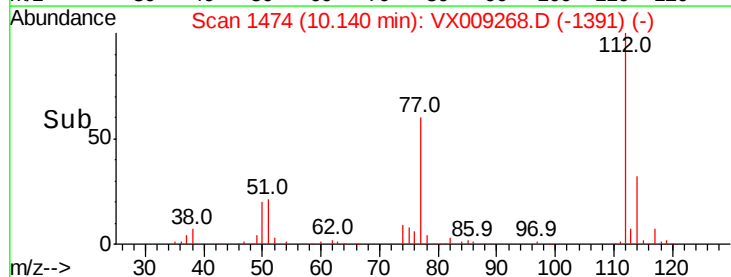
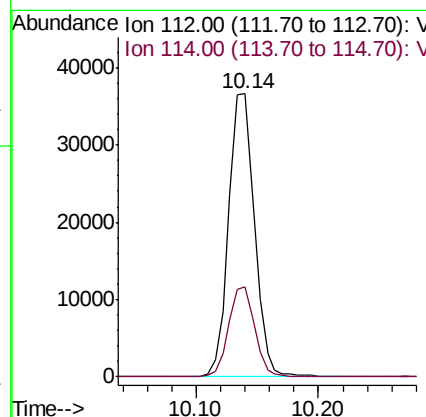
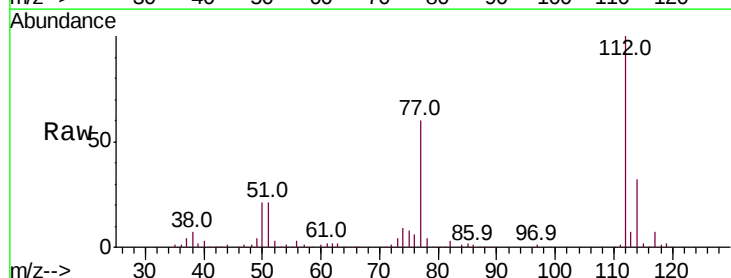
Acq: 02 May 2019 11:27

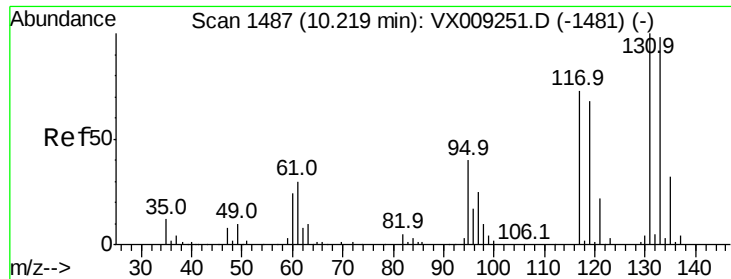
Tgt Ion: 112 Resp: 53783

Ion Ratio Lower Upper

112 100

114 31.8 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 10.387 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:131 Resp: 19519

Ion Ratio Lower Upper

131 100

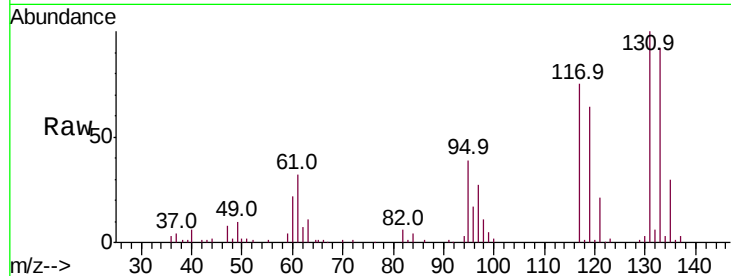
133 95.8 0.0 191.2

119 65.9 0.0 135.4

Manual Integrations
APPROVED

MMDadoda

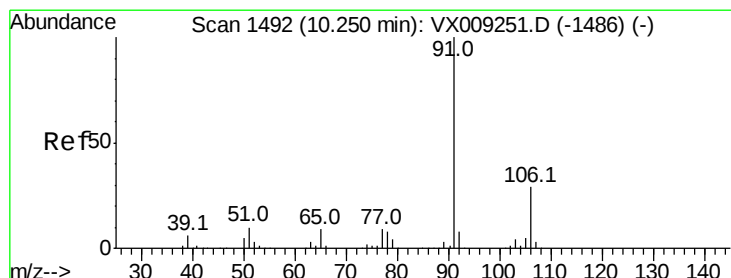
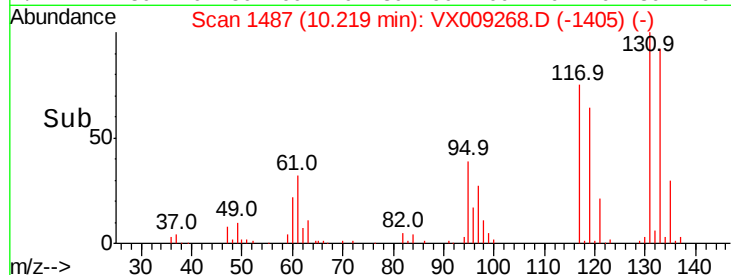
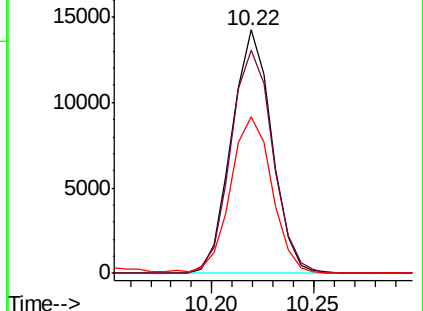
5/3/2019 11:19:41 AM



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 10.335 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009268.D

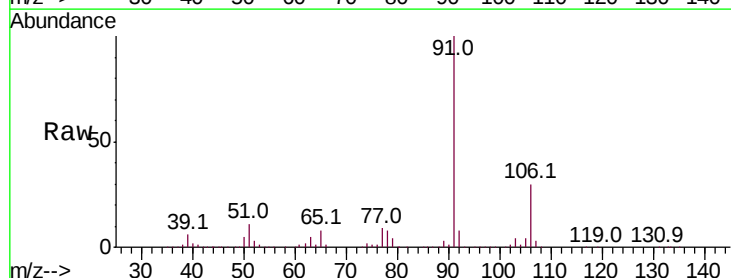
Acq: 02 May 2019 11:27

Tgt Ion: 91 Resp: 98181

Ion Ratio Lower Upper

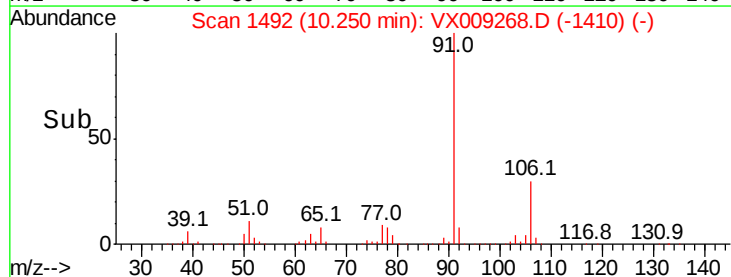
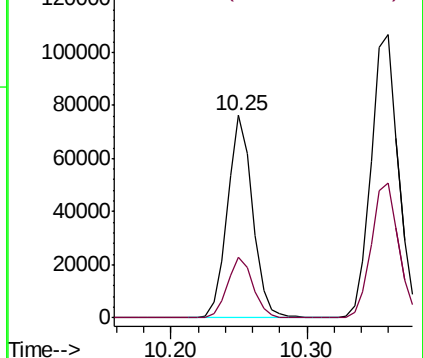
91 100

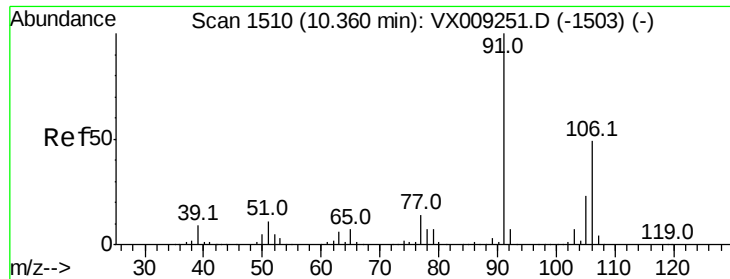
106 30.0 23.5 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





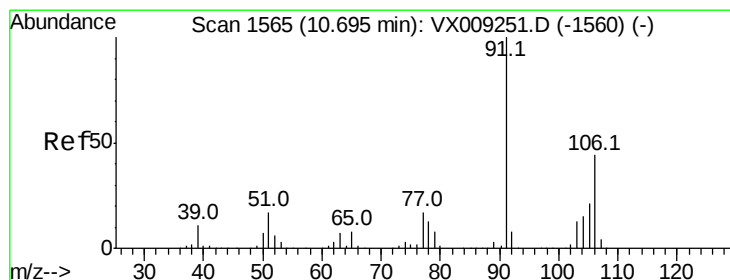
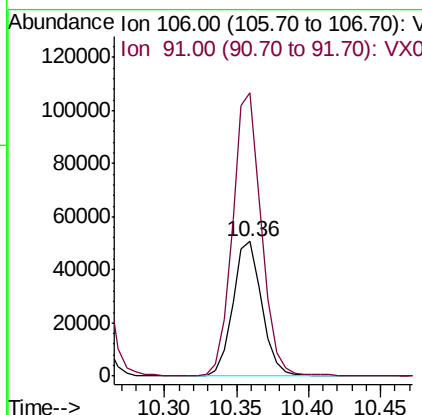
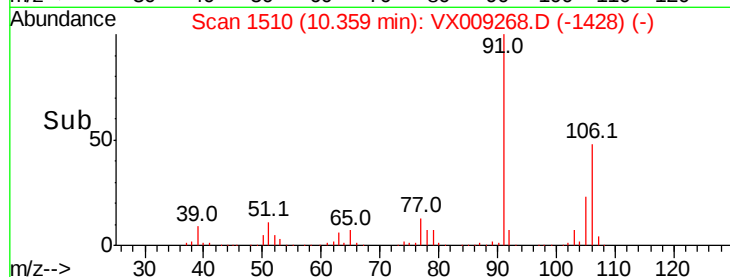
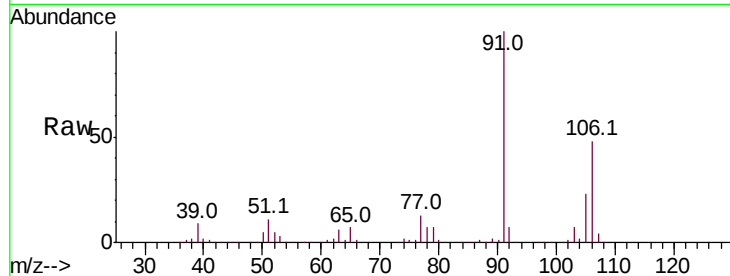
#67
m/p-Xvlenes
Concen: 20.559 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion:106 Resp: 71308
Ion Ratio Lower Upper
106 100
91 209.2 166.8 250.2

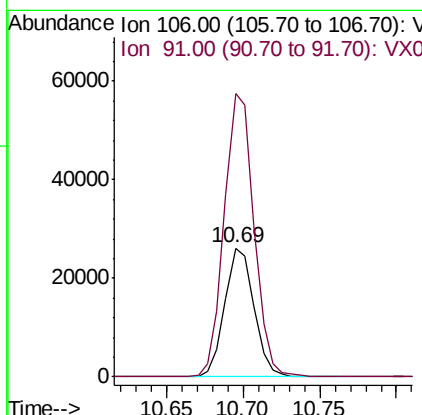
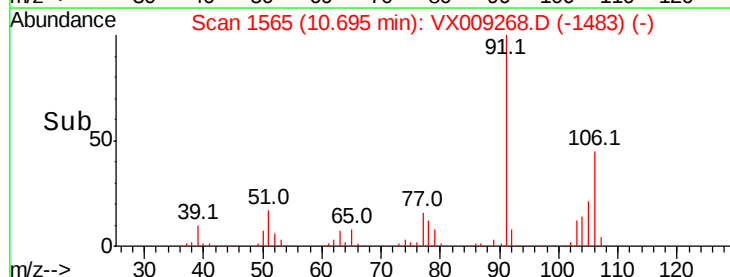
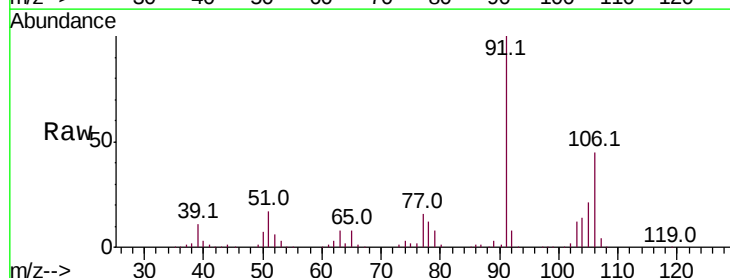
Manual Integrations
APPROVED

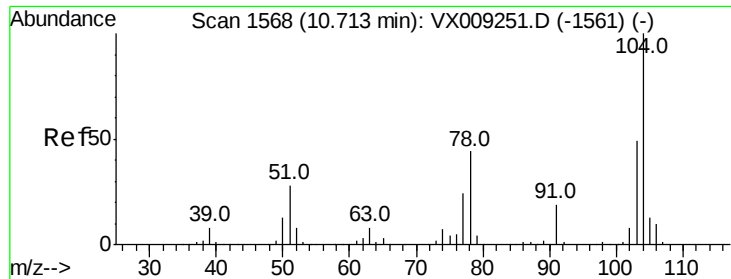
MMDadoda
5/3/2019 11:19:41 AM



#68
o-Xylene
Concen: 10.244 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion:106 Resp: 34938
Ion Ratio Lower Upper
106 100
91 222.8 110.8 332.3





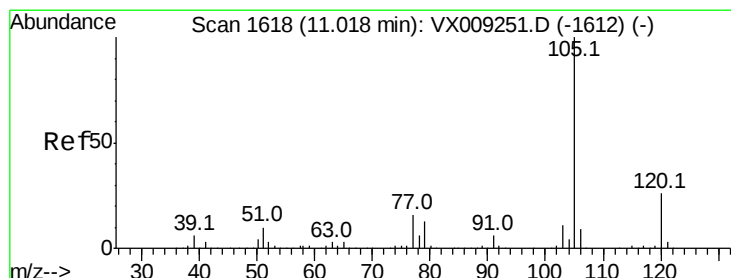
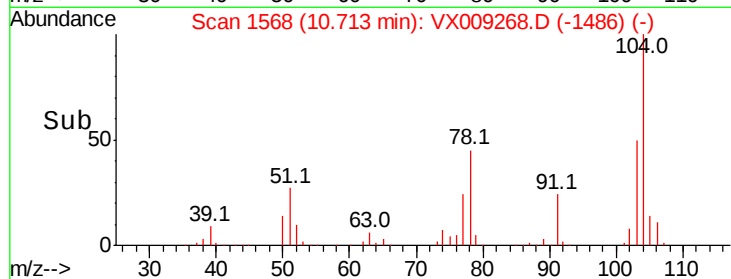
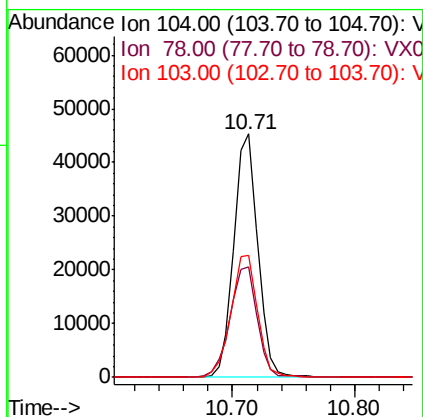
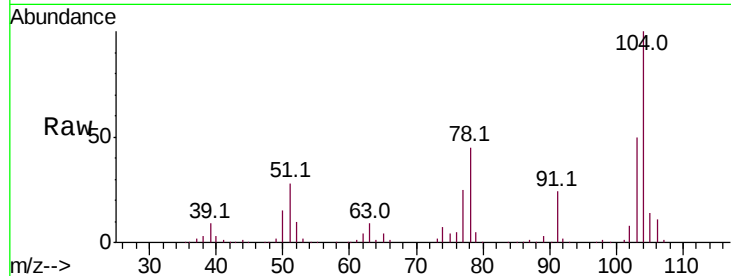
#69
Stvrene
Concen: 10.257 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.2	41.1	61.7
103	55.7	43.8	65.8

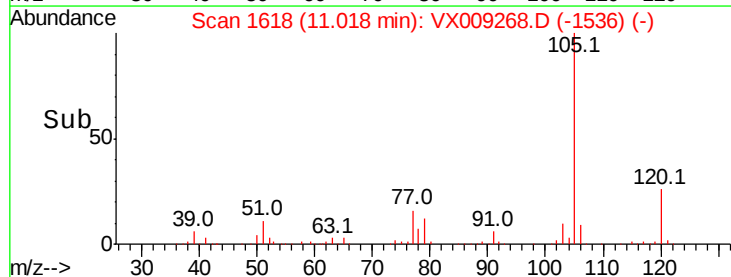
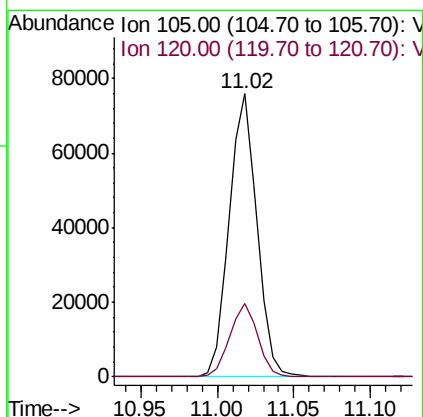
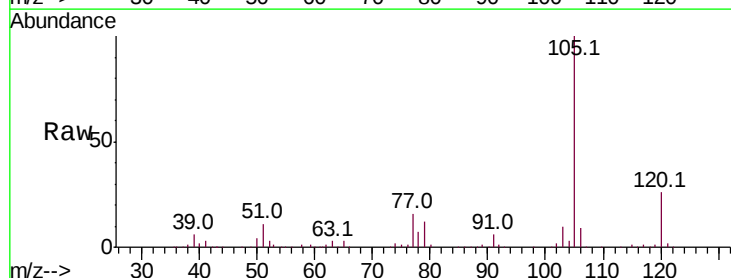
Manual Integrations
APPROVED

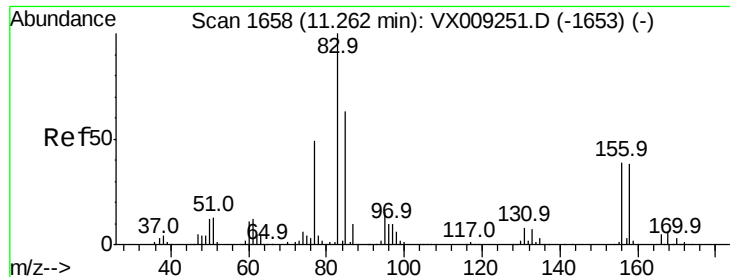
MMDadoda
5/3/2019 11:19:41 AM



#70
Isopropylbenzene
Concen: 10.383 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	18.1	33.7





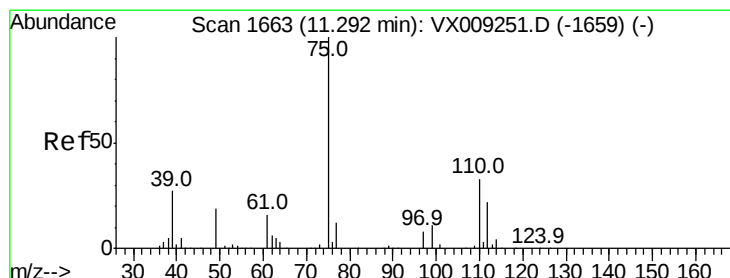
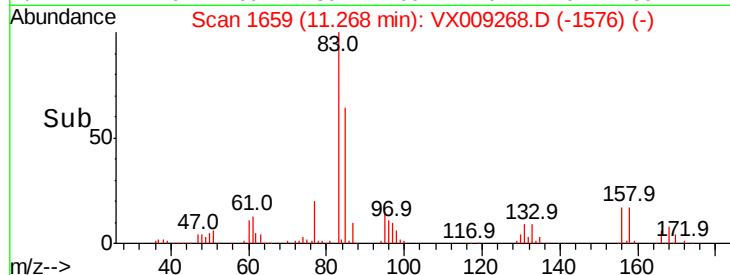
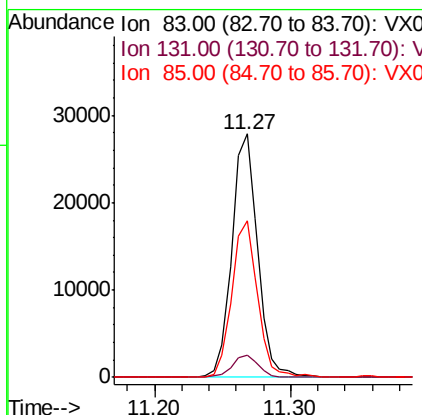
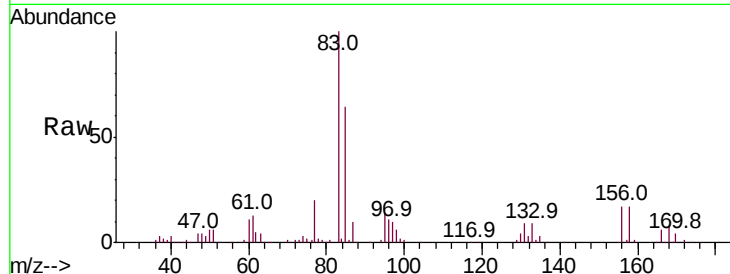
#71
 1,1,2,2-Tetrachloroethane
 Concen: 10.898 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.01 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.2	4.7	14.0	
85	64.6	32.4	97.2	

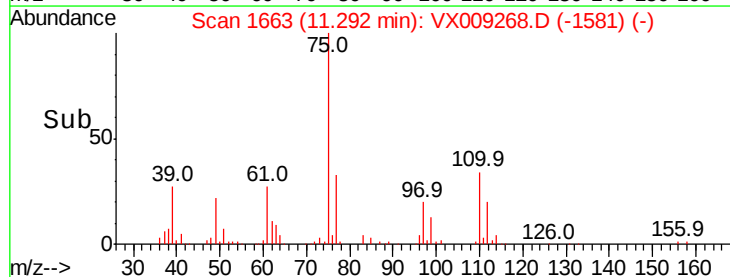
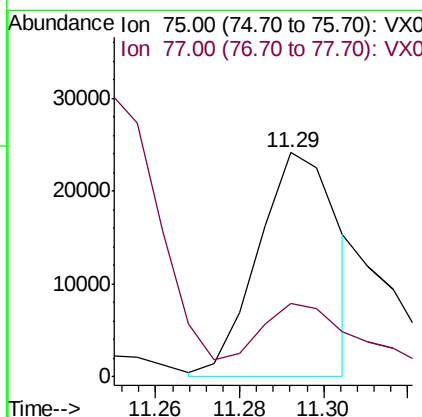
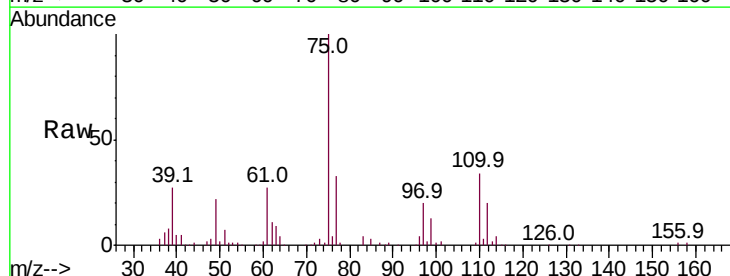
Manual Integrations
 APPROVED

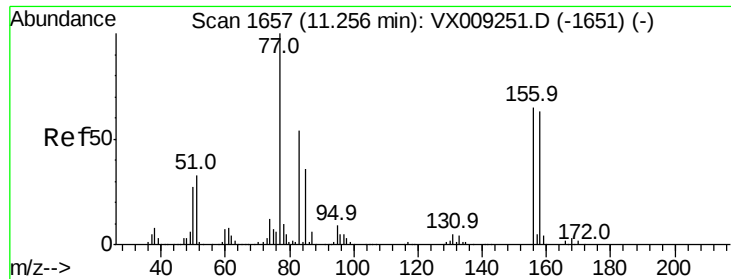
MMDadoda
 5/3/2019 11:19:41 AM



#72
 1,2,3-Trichloropropane
 Concen: 10.952 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	43.6	0.0	86.4	





#73

Bromobenzene

Concen: 10.409 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

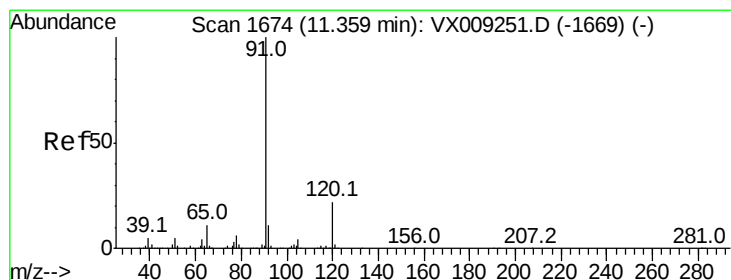
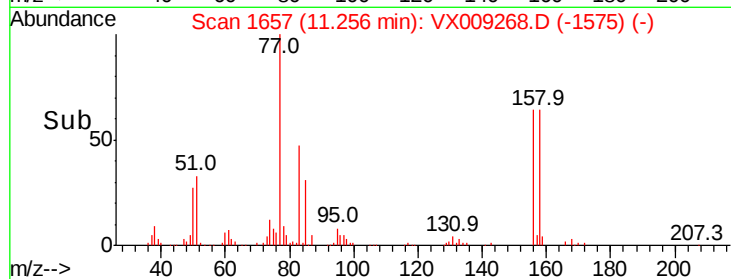
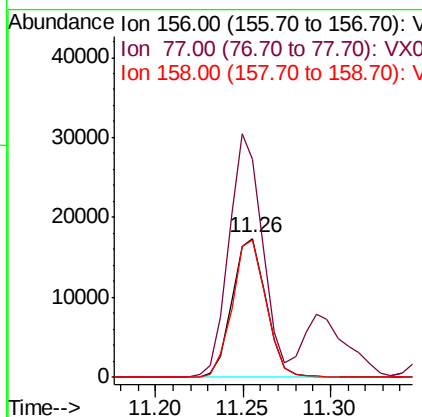
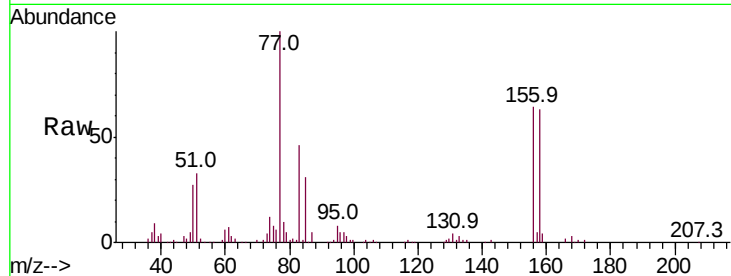
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	156	Resp:	23589
Ion Ratio	Lower	Upper	
156	100		
77	171.9	0.0	335.6
158	97.8	0.0	191.2

Manual Integrations
APPROVED

MMDadoda
5/3/2019 11:19:41 AM



#74

n-propylbenzene

Concen: 10.106 ug/l

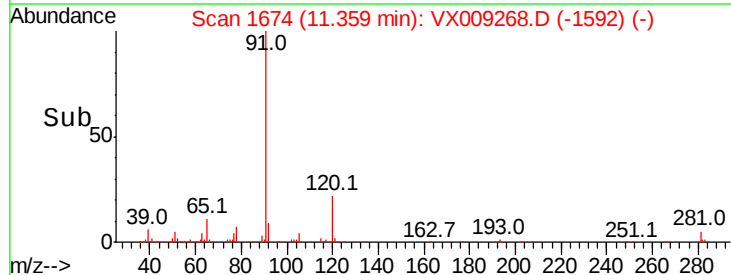
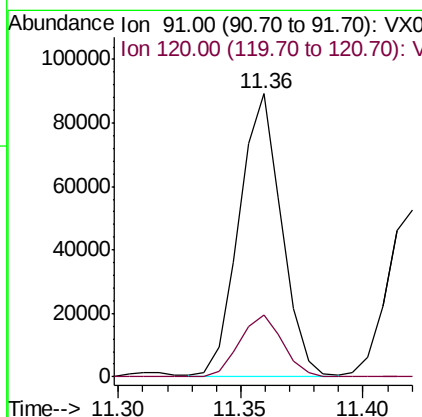
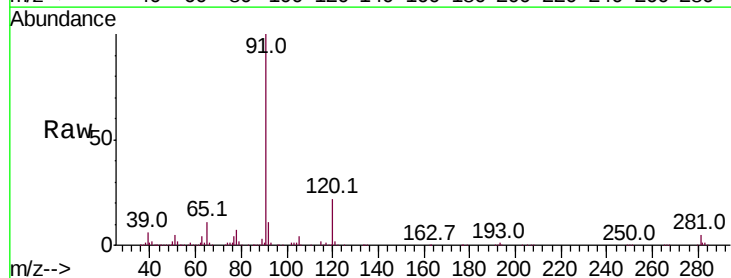
RT: 11.36 min Scan# 1674

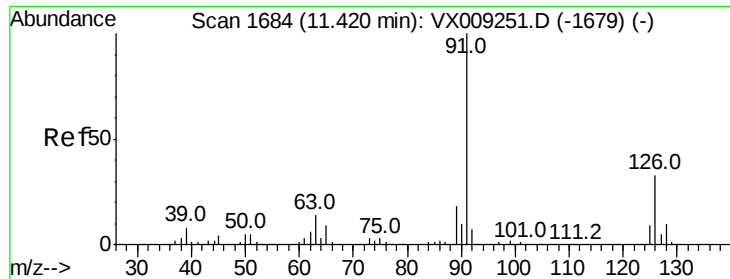
Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Tgt Ion:	91	Resp:	107421
Ion Ratio	Lower	Upper	
91	100		
120	22.4	0.0	43.4





#75

2-Chlorotoluene

Concen: 10.427 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampled :

LOQ-WATER-02-QT2-2019

Tot Ion: 91 Resp: 66476

Ion Ratio Lower Upper

91 100

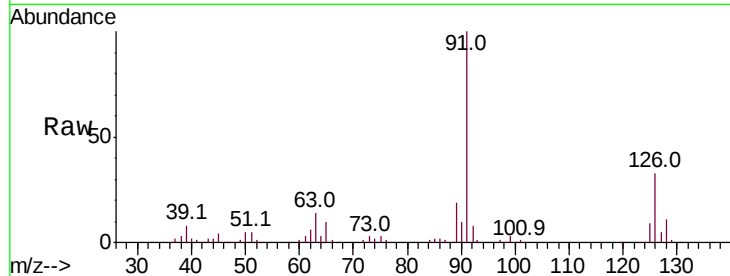
126 32.2 0.0 64.0

Manual Integrations

APPROVED

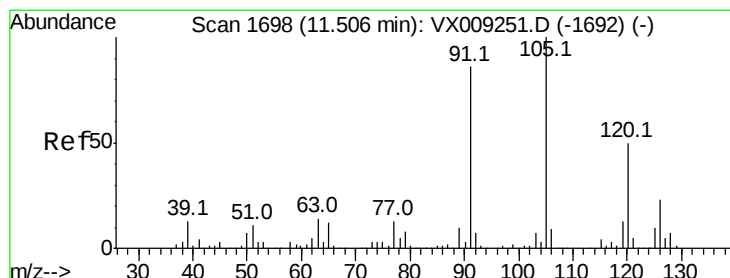
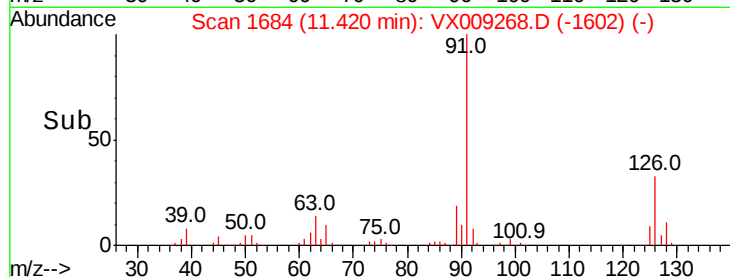
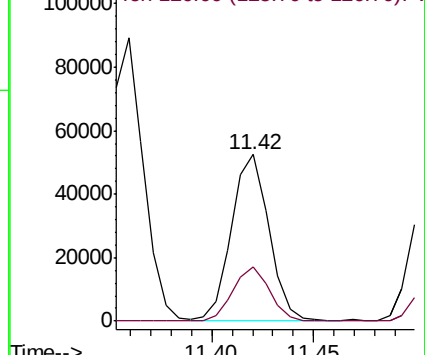
MMDadoda

5/3/2019 11:19:41 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 10.399 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009268.D

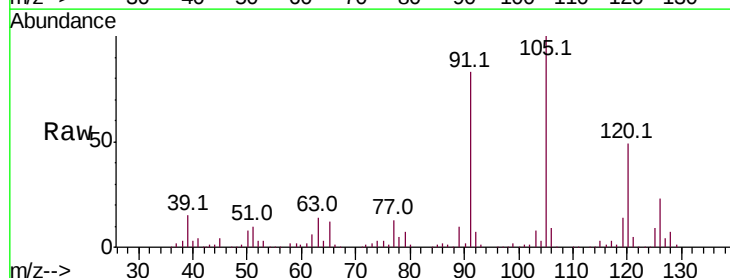
Acq: 02 May 2019 11:27

Tgt Ion:105 Resp: 80796

Ion Ratio Lower Upper

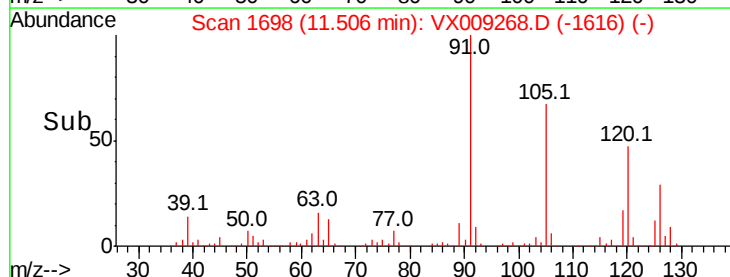
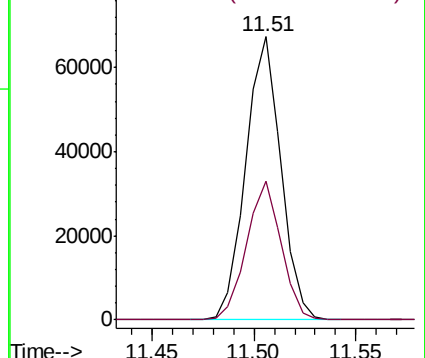
105 100

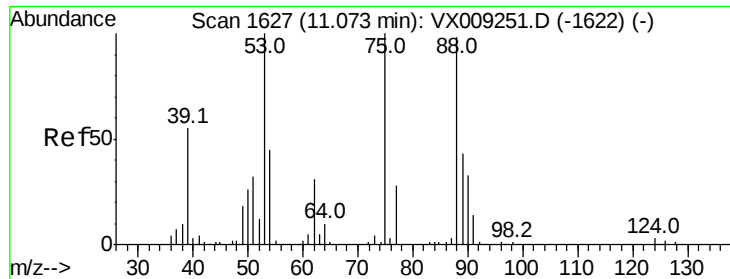
120 48.0 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





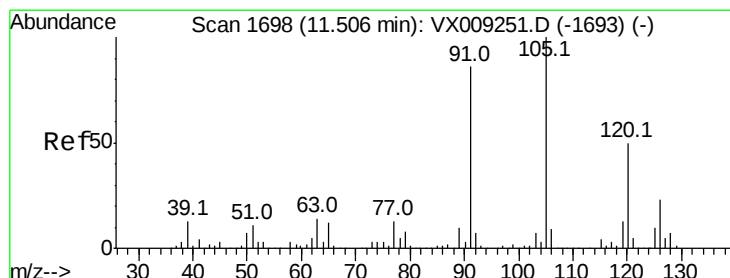
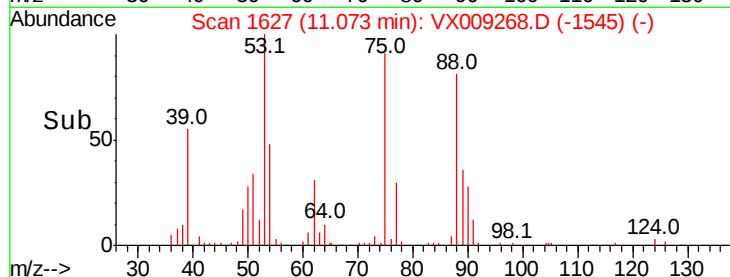
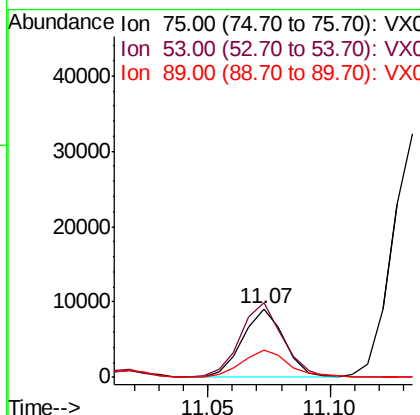
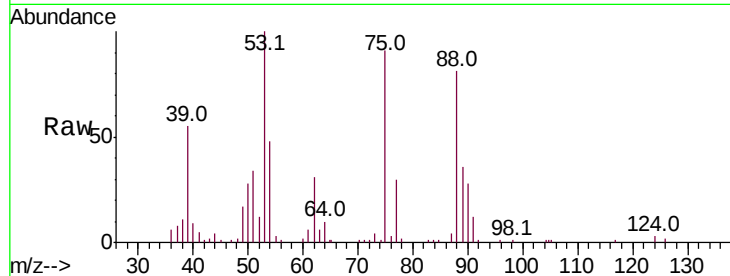
#77
t-1,4-Dichloro-2-butene
Concen: 9.293 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.5	50.0	149.8
89	39.9	21.6	65.0

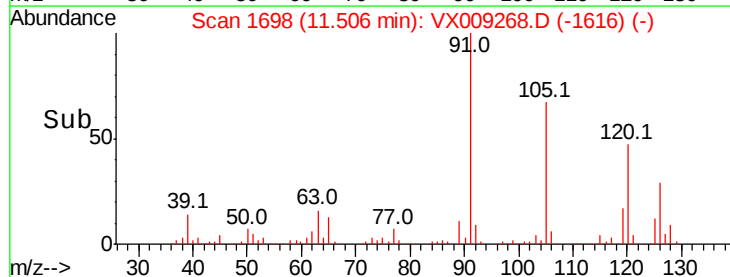
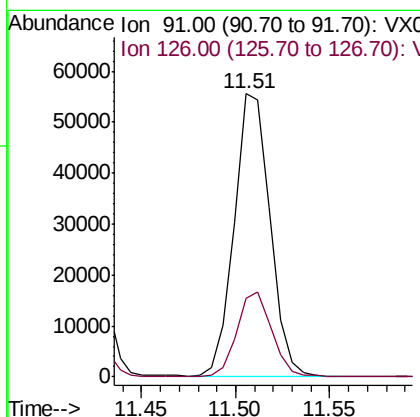
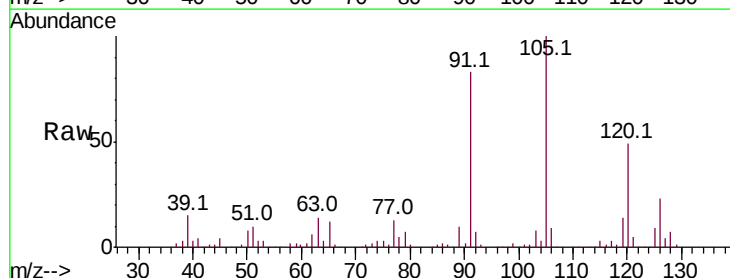
Manual Integrations
APPROVED

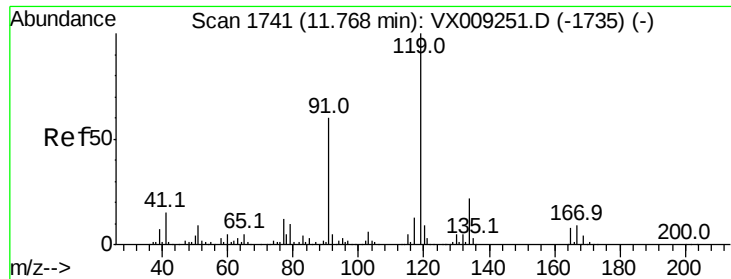
MMDadoda
5/3/2019 11:19:41 AM



#78
4-Chlorotoluene
Concen: 10.109 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.1	0.0	57.0





#79

tert-butylbenzene

Concen: 10.300 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

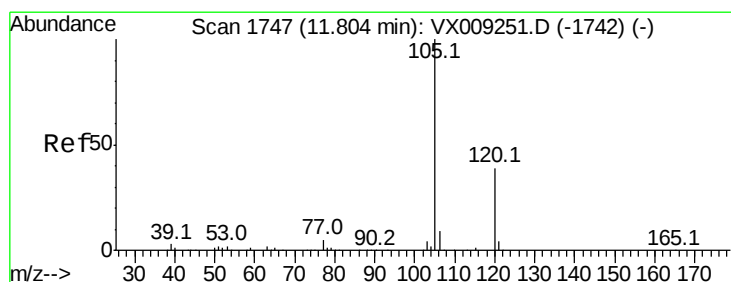
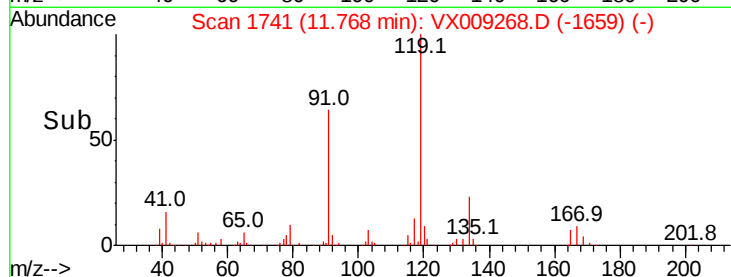
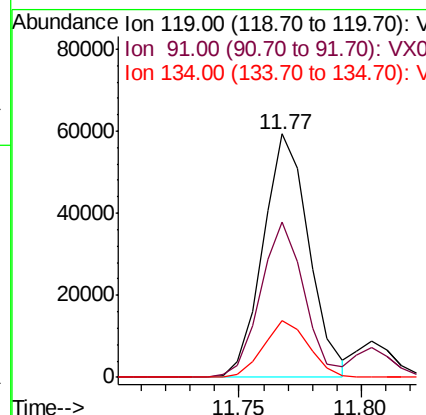
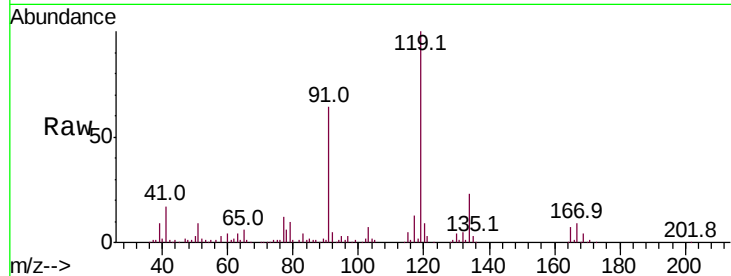
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	119	Resp:	77366
Ion Ratio	Lower	Upper	
119	100		
91	60.8	0.0	118.2
134	22.9	0.0	45.0

Manual Integrations
APPROVED

MMDadoda
5/3/2019 11:19:41 AM



#80

1,2,4-Trimethylbenzene

Concen: 10.426 ug/l

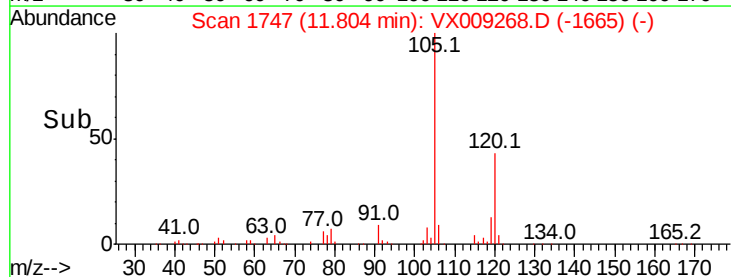
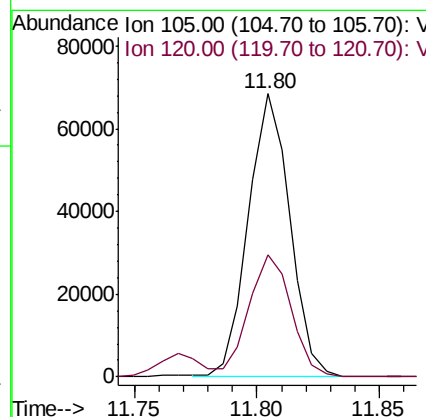
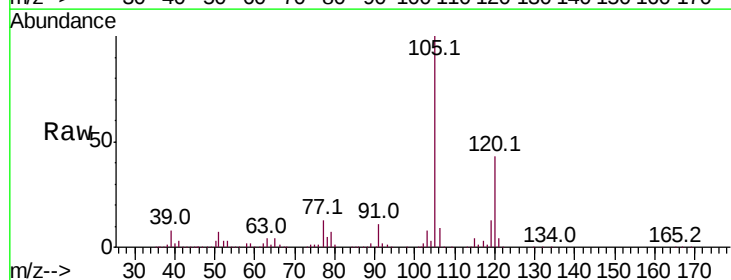
RT: 11.80 min Scan# 1747

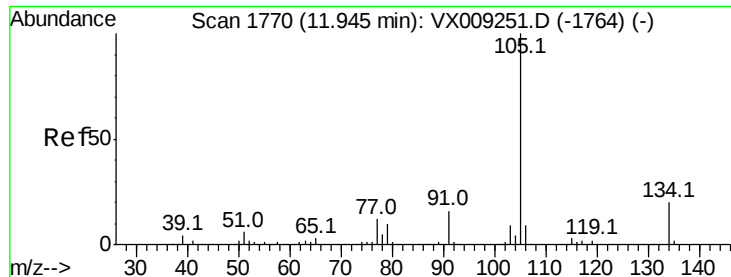
Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Tgt Ion:	105	Resp:	81192
Ion Ratio	Lower	Upper	
105	100		
120	44.4	0.0	89.6





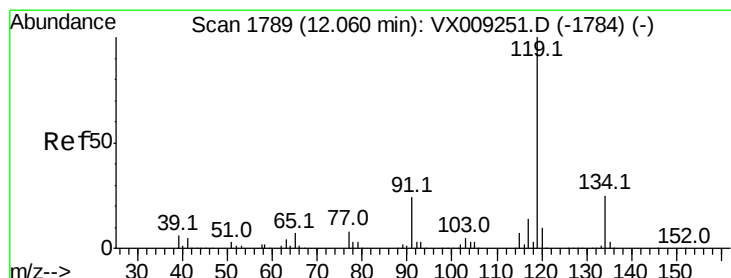
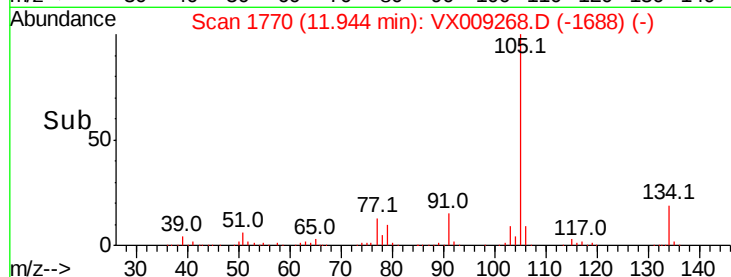
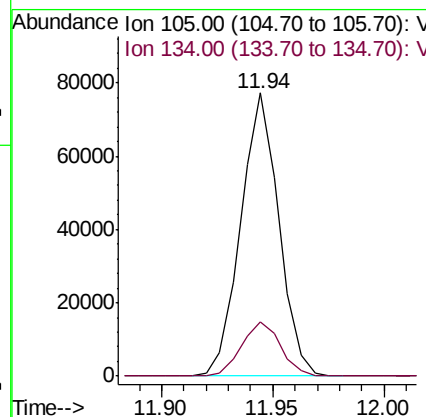
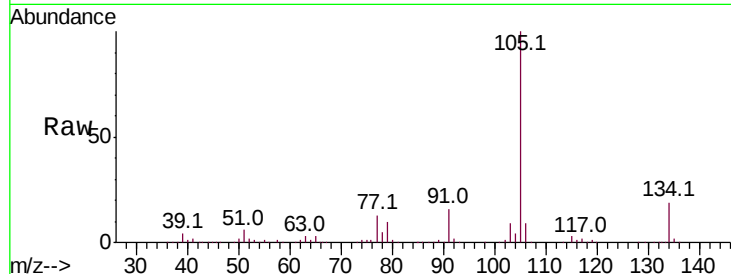
#81
 sec-Butylbenzene
 Concen: 10.261 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
105	100	91565		
134	19.8	0.0	38.6	

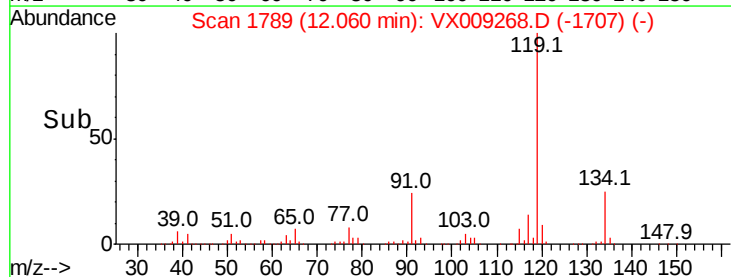
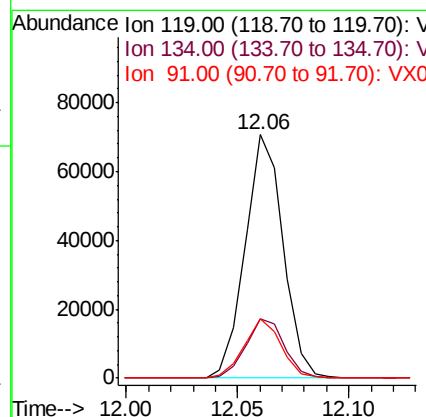
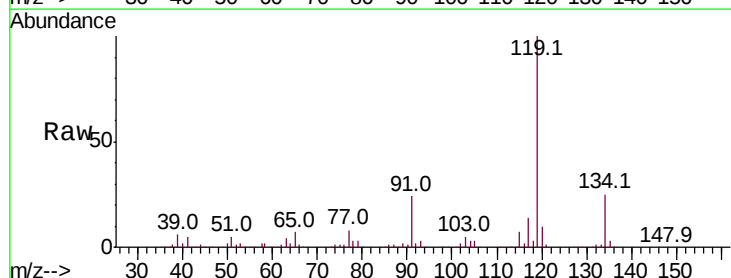
Manual Integrations
 APPROVED

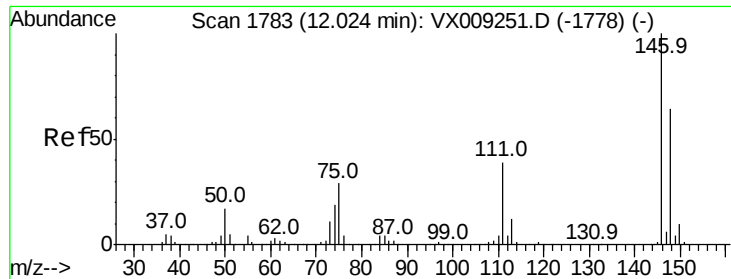
MMDadoda
 5/3/2019 11:19:41 AM



#82
 p-Isopropyltoluene
 Concen: 10.328 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	83841		
134	24.9	0.0	50.8	
91	23.7	0.0	47.2	





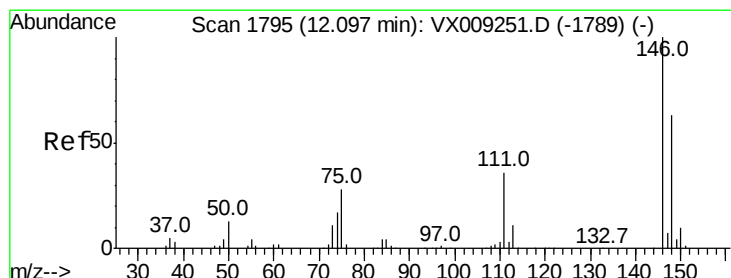
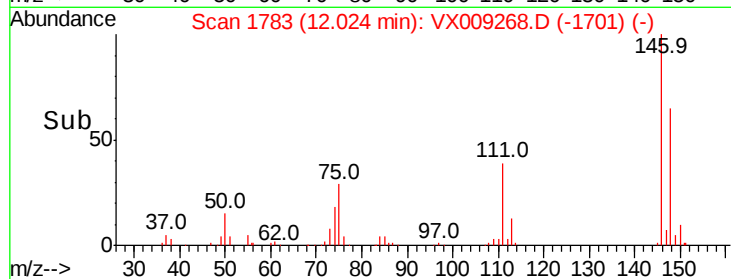
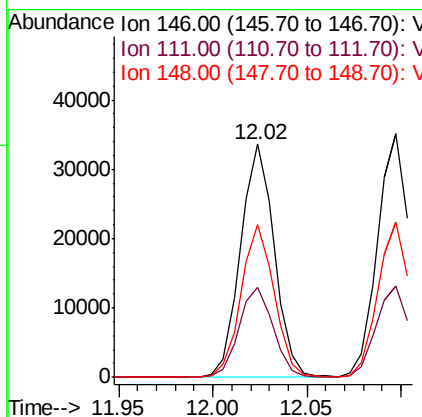
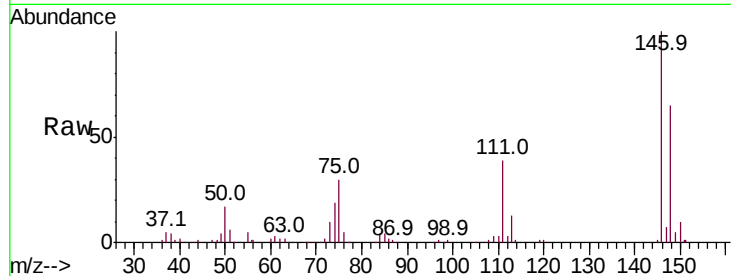
#83
 1,3-Dichlorobenzene
 Concen: 10.335 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.0	60.0
148	64.3	32.2	96.6

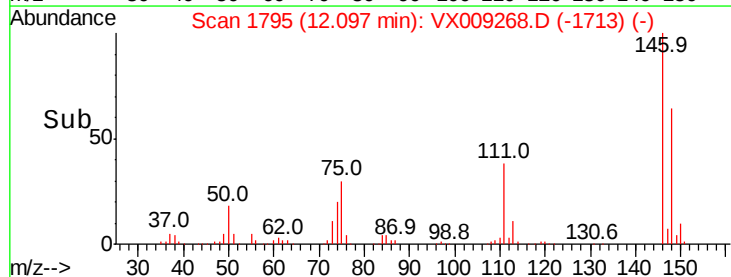
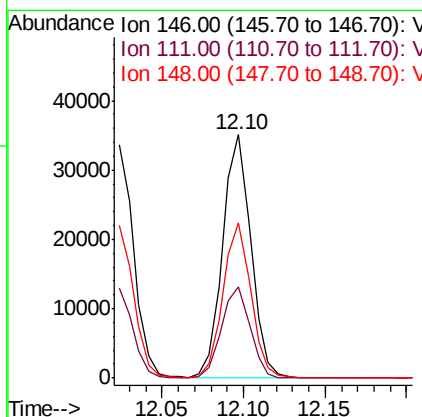
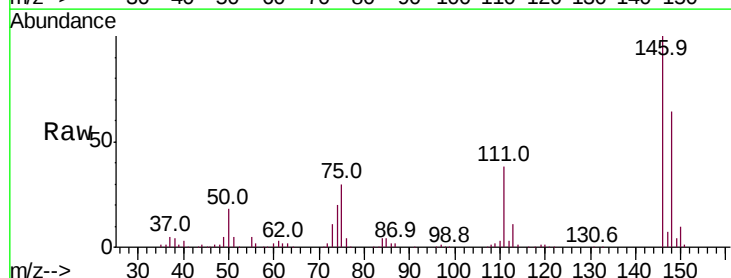
Manual Integrations
 APPROVED

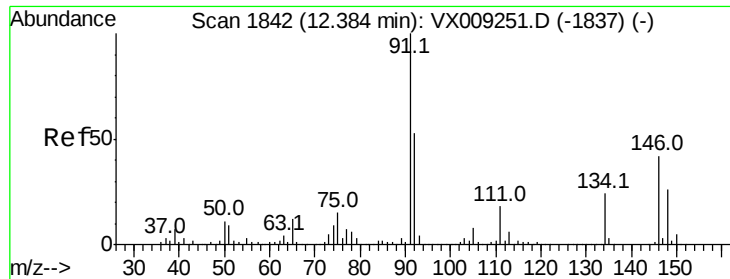
MMDadoda
 5/3/2019 11:19:41 AM



#84
 1,4-Dichlorobenzene
 Concen: 10.518 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.6	58.7
148	62.9	32.3	96.8





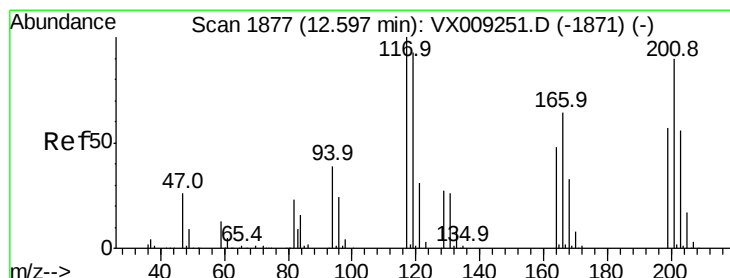
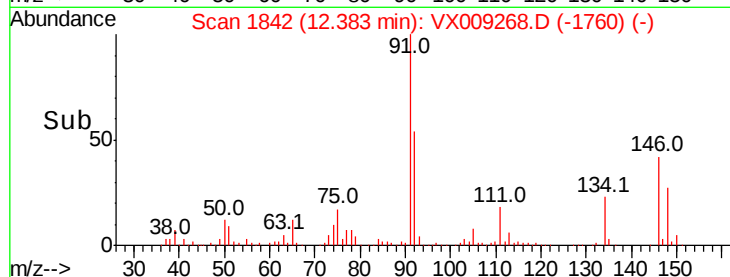
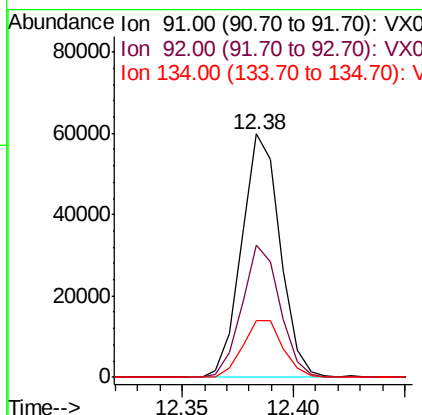
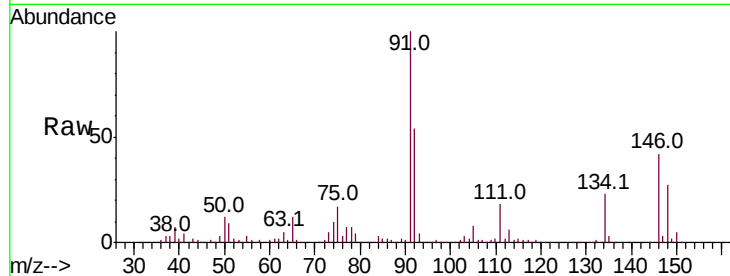
#85
n-Butylbenzene
Concen: 9.716 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.5		0.0	106.6
134	24.5		0.0	50.0

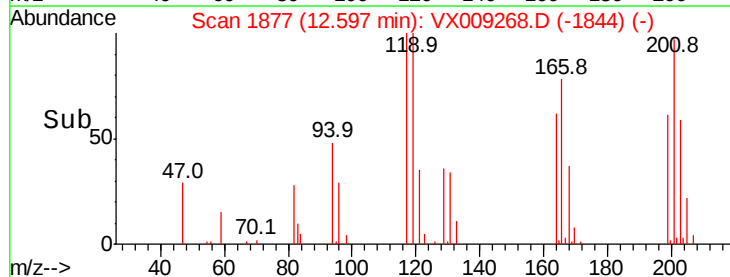
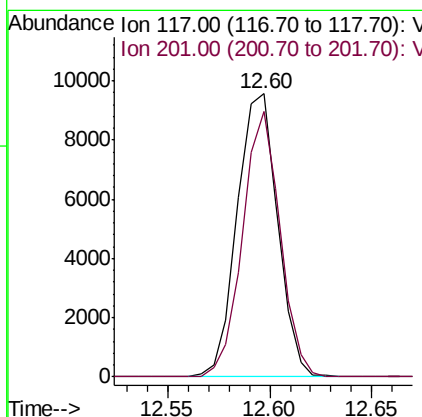
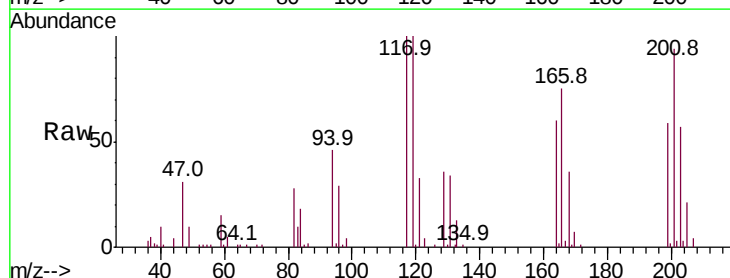
Manual Integrations
APPROVED

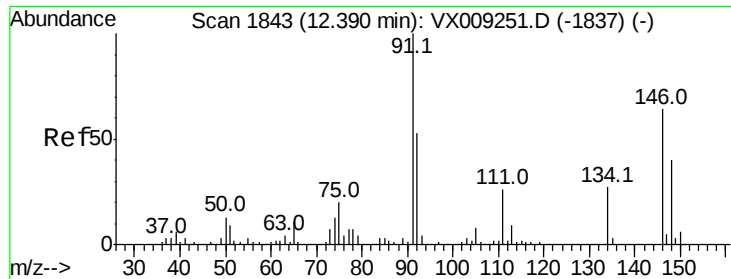
MMDadoda
5/3/2019 11:19:41 AM



#86
Hexachloroethane
Concen: 9.535 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	87.1		41.8	125.4





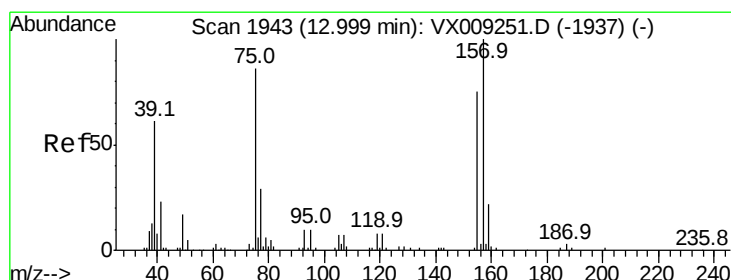
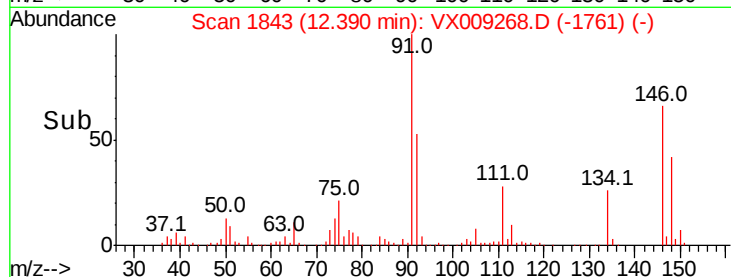
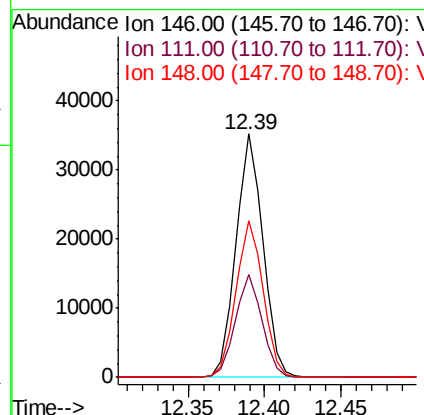
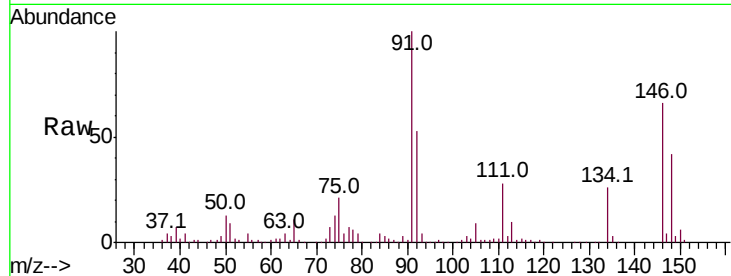
#87
 1,2-Dichlorobenzene
 Concen: 10.584 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.2
148	64.1	31.4	94.3

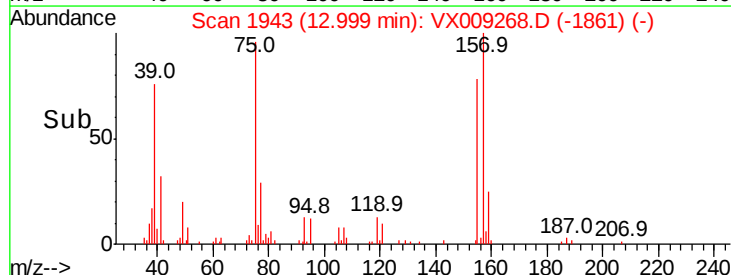
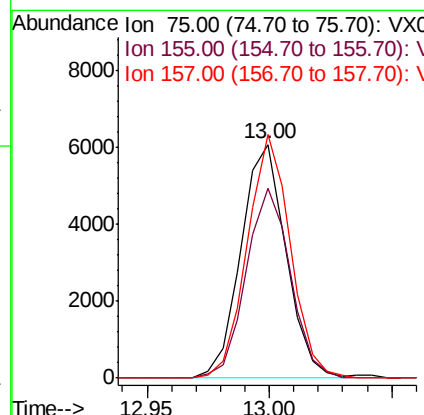
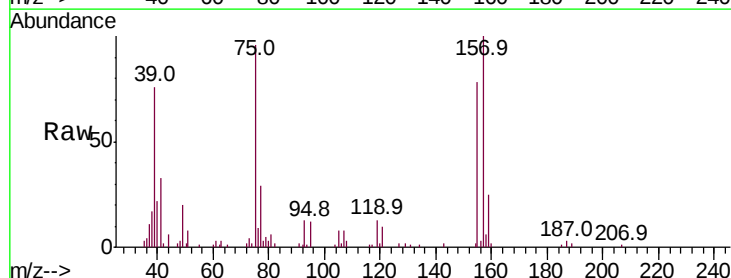
Manual Integrations
 APPROVED

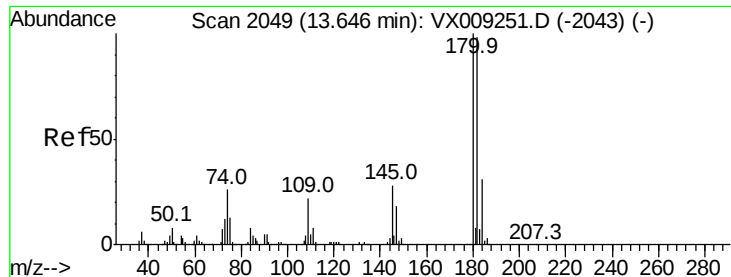
MMDadoda
 5/3/2019 11:19:41 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 9.981 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.9	65.9	98.9
157	99.5	85.2	127.8





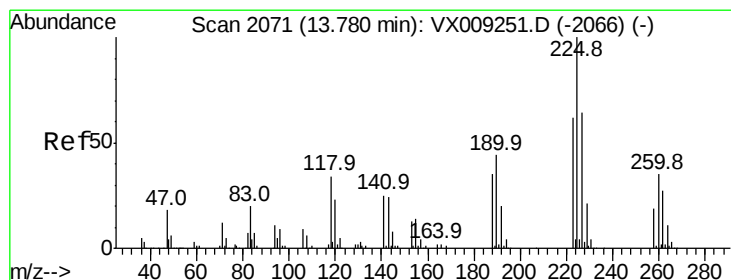
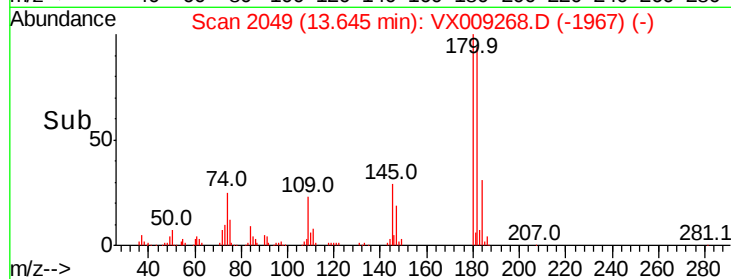
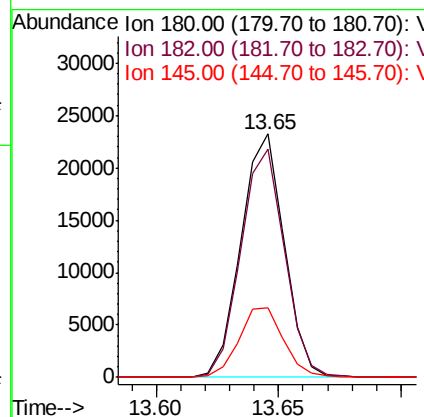
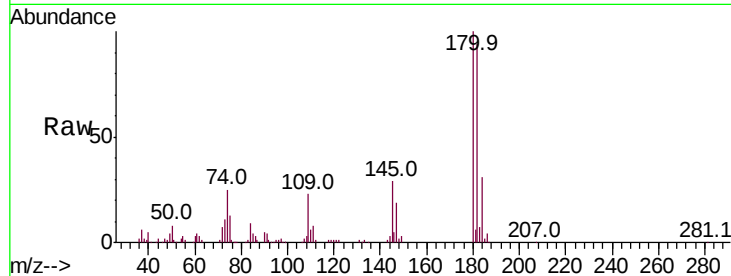
#89
1,2,4-Trichlorobenzene
Concen: 9.790 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
180	100	28426		
182	95.7	76.9	115.3	
145	29.8	23.0	34.6	

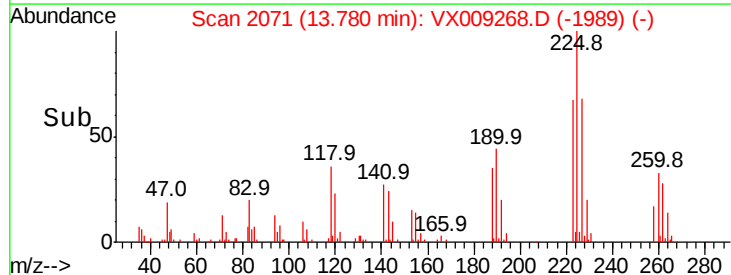
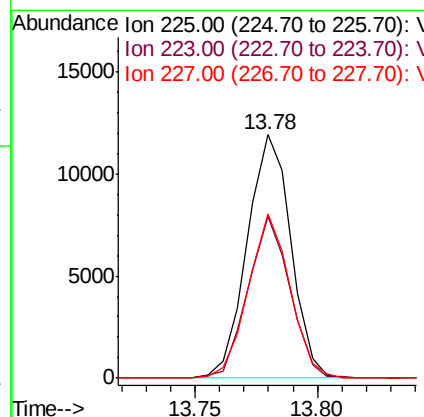
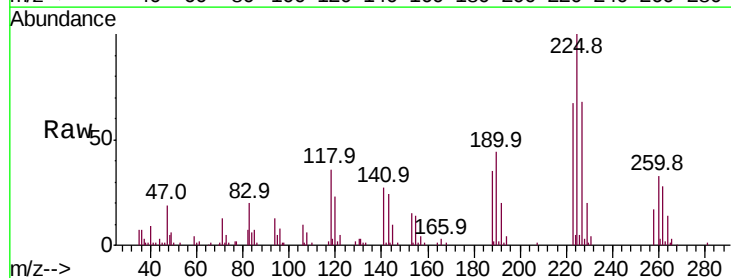
Manual Integrations
APPROVED

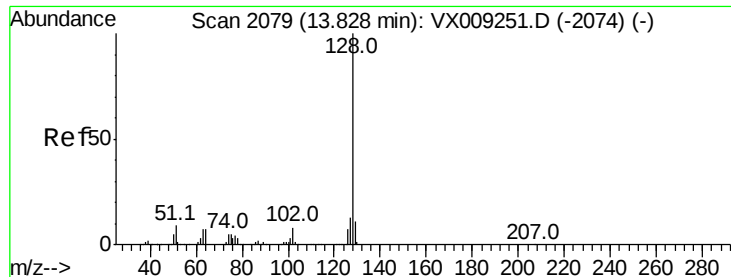
MMDadoda
5/3/2019 11:19:41 AM



#90
Hexachlorobutadiene
Concen: 10.188 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	14777		
223	63.7	0.0	126.6	
227	64.7	0.0	130.0	





#91

Naphthalene

Concen: 9.835 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

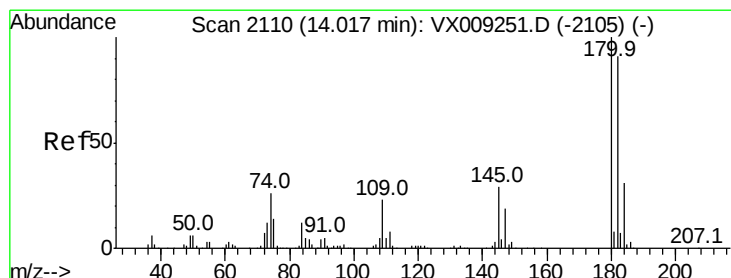
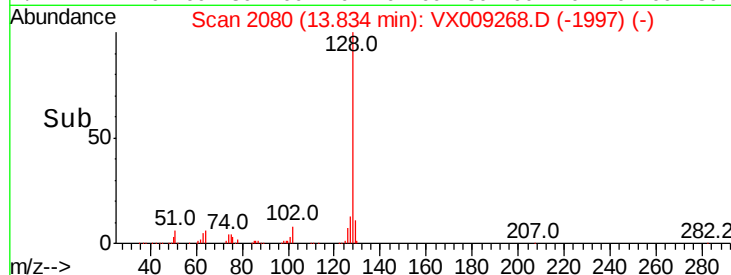
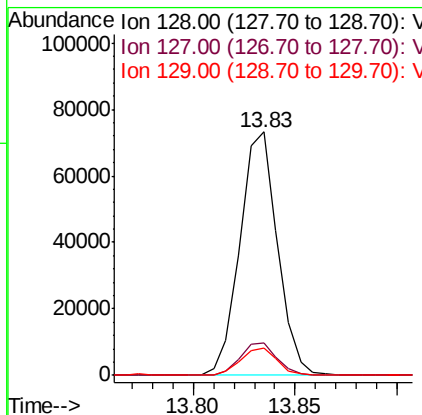
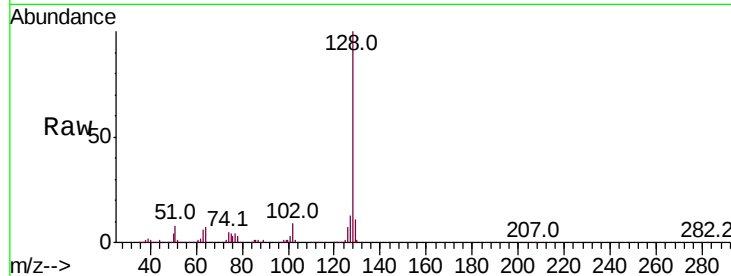
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	128	Resp:	93499
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/3/2019 11:19:41 AM



#92

1,2,3-Trichlorobenzene

Concen: 9.765 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Tgt Ion:	180	Resp:	28824
Ion Ratio	Lower	Upper	
180	100		
182	97.0	0.0	189.0
145	31.6	0.0	61.6

