

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090518\
 Data File : VX004373.D
 Acq On : 05 Sep 2018 16:25
 Operator : JC/MD
 Sample : VX0905WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/6/2018 12:48:46 PM

Quant Time: Sep 06 01:40:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	333862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	489357	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	457070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	272665	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	202388	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	
35) Dibromofluoromethane	5.50	113	176670	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
50) Toluene-d8	8.71	98	664213	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
62) 4-Bromofluorobenzene	11.14	95	252897	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	69472	17.97	ug/l	96
3) Chloromethane	1.32	50	76954	18.19	ug/l	100
4) Vinyl Chloride	1.40	62	82737	18.91	ug/l	99
5) Bromomethane	1.64	94	37763	16.14	ug/l	96
6) Chloroethane	1.71	64	71464	22.14	ug/l	100
7) Trichlorofluoromethane	1.92	101	111598	18.62	ug/l	92
8) Diethyl Ether	2.18	74	52394	20.41	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	71732	19.10	ug/l	100
10) Methyl Iodide	2.51	142	71173	19.63	ug/l	97
11) Tert butyl alcohol	3.07	59	102263	110.25	ug/l	100
12) 1,1-Dichloroethene	2.37	96	66750	18.87	ug/l	95
13) Acrolein	2.29	56	22462	100.44	ug/l	99
14) Allyl chloride	2.72	41	129771	19.97	ug/l	97
15) Acrylonitrile	3.15	53	239562	104.29	ug/l	99
16) Acetone	2.45	43	201370	108.80	ug/l	98
17) Carbon Disulfide	2.56	76	152649	16.09	ug/l	100
18) Methyl Acetate	2.78	43	170181	26.35	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	246378	21.14	ug/l	97
20) Methylene Chloride	2.85	84	80705	19.27	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	72325	18.47	ug/l	96
22) Diisopropyl ether	3.87	45	248968	20.52	ug/l	99
23) Vinyl Acetate	3.82	43	933353	94.91	ug/l	99
24) 1,1-Dichloroethane	3.69	63	143472	20.29	ug/l	99
25) 2-Butanone	4.70	43	314579	106.25	ug/l	99
26) 2,2-Dichloropropane	4.58	77	106471	19.20	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	87470	19.70	ug/l	99
28) Bromochloromethane	5.02	49	63506	20.29	ug/l	100
29) Tetrahydrofuran	5.17	42	198628	106.24	ug/l	100
30) Chloroform	5.21	83	140751	19.85	ug/l	98
31) Cyclohexane	5.57	56	116222	19.05	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	115659	19.56	ug/l	99
36) 1,1-Dichloropropene	5.79	75	103124	18.74	ug/l	99
37) Ethyl Acetate	4.86	43	108806	20.11	ug/l	99
38) Carbon Tetrachloride	5.78	117	96079	18.56	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090518\
 Data File : VX004373.D
 Acq On : 05 Sep 2018 16:25
 Operator : JC/MD
 Sample : VX0905WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0905WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/6/2018 12:48:46 PM

Quant Time: Sep 06 01:40:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	118160	18.81	ug/l	99
40) Benzene	6.14	78	323236	19.66	ug/l	99
41) Methacrylonitrile	5.06	41	65012	20.73	ug/l	99
42) 1,2-Dichloroethane	6.20	62	108106	19.28	ug/l	98
43) Isopropyl Acetate	6.46	43	170476	20.50	ug/l	99
44) Trichloroethene	7.21	130	86911	19.10	ug/l	97
45) 1,2-Dichloropropane	7.52	63	82467	20.04	ug/l	99
46) Dibromomethane	7.67	93	52291	19.09	ug/l	98
47) Bromodichloromethane	7.90	83	96337	18.90	ug/l	100
48) Methyl methacrylate	7.78	41	90784	20.41	ug/l	98
49) 1,4-Dioxane	7.76	88	43805	433.70	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	600658	99.43	ug/l	100
52) Toluene	8.79	92	203676	19.79	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	109303	19.41	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	122724	20.01	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	85448	20.57	ug/l	97
56) Ethyl methacrylate	9.18	69	117528	20.78	ug/l	98
57) 1,3-Dichloropropane	9.37	76	141280	20.18	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	288018	99.41	ug/l	99
59) 2-Hexanone	9.50	43	457839	99.35	ug/l	100
60) Dibromochloromethane	9.59	129	76094	18.80	ug/l	100
61) 1,2-Dibromoethane	9.67	107	85471	19.88	ug/l	99
64) Tetrachloroethene	9.34	164	93509	20.71	ug/l	98
65) Chlorobenzene	10.14	112	225042	19.62	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	78218	19.77	ug/l	97
67) Ethyl Benzene	10.25	91	370891	19.91	ug/l	96
68) m/p-Xylenes	10.36	106	298088	40.92	ug/l	99
69) o-Xylene	10.70	106	144485	20.97	ug/l	99
70) Styrene	10.71	104	235039	21.07	ug/l	99
71) Bromoform	10.86	173	58047	18.20	ug/l #	99
73) Isopropylbenzene	11.02	105	392934	21.94	ug/l	100
74) N-amyl acetate	10.90	43	143259	20.78	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	127722	20.38	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	115970m	20.91	ug/l	
77) Bromobenzene	11.26	156	103253	20.55	ug/l	98
78) n-propylbenzene	11.36	91	448185	21.76	ug/l	100
79) 2-Chlorotoluene	11.42	91	266258	21.00	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	322252	21.73	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	32603	19.08	ug/l	97
82) 4-Chlorotoluene	11.51	91	311871	20.91	ug/l	100
83) tert-Butylbenzene	11.77	119	321437	21.54	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	350990	23.06	ug/l	100
85) sec-Butylbenzene	11.94	105	398171	22.48	ug/l	100
86) p-Isopropyltoluene	12.07	119	356088	22.43	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	192196	20.32	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	195114	19.57	ug/l	99
89) n-Butylbenzene	12.39	91	276896	21.45	ug/l	97
90) Hexachloroethane	12.60	117	46588	21.00	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	184322	21.32	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.00	75	22934	20.78	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090518\
Data File : VX004373.D
Acq On : 05 Sep 2018 16:25
Operator : JC/MD
Sample : VX0905WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0905WBSD01

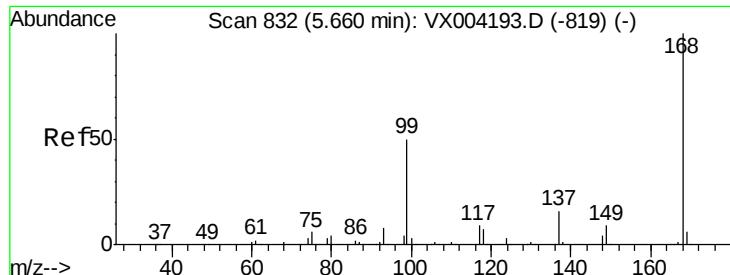
Manual Integrations
APPROVED

MMDadoda
9/6/2018 12:48:46 PM

Quant Time: Sep 06 01:40:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	137699	21.89	ug/l	97
94) Hexachlorobutadiene	13.78	225	68938	23.49	ug/l	97
95) Naphthalene	13.83	128	415006	23.33	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	141798	21.30	ug/l	99

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



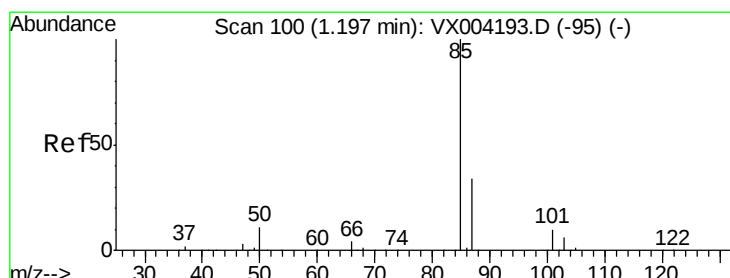
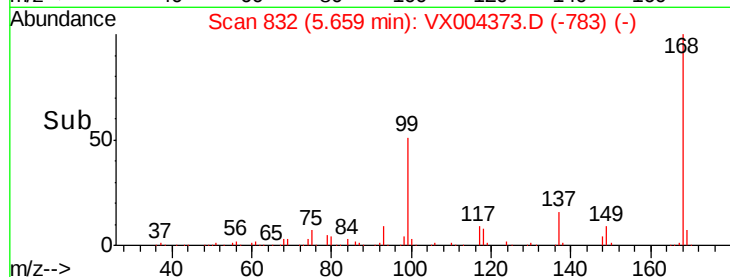
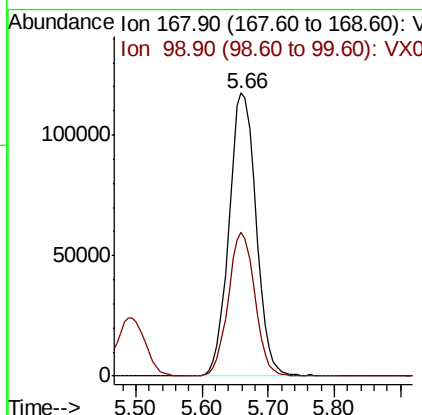
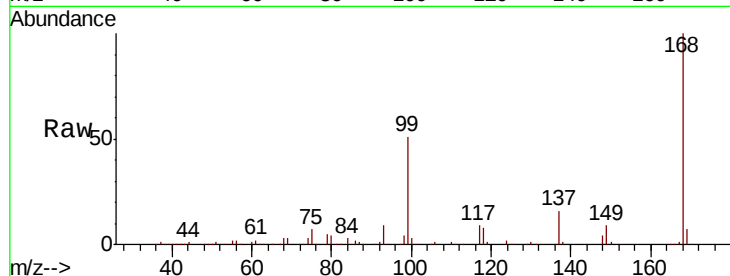
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.66 min Scan# 832
Delta R.T. -0.00 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Instrument :
MSVOA_X
ClientSampled :
VX0905WBSD01

Tot Ion	Ratio	Lower	Upper
168	100		
99	50.9	39.9	59.9

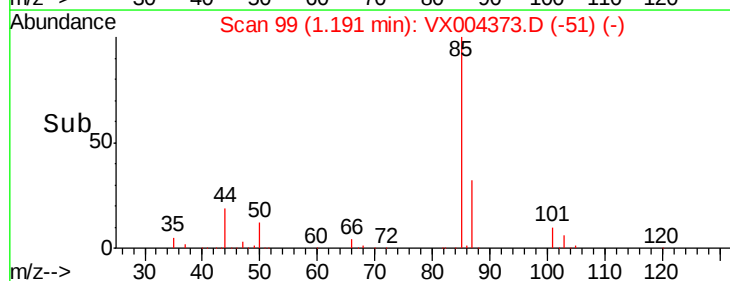
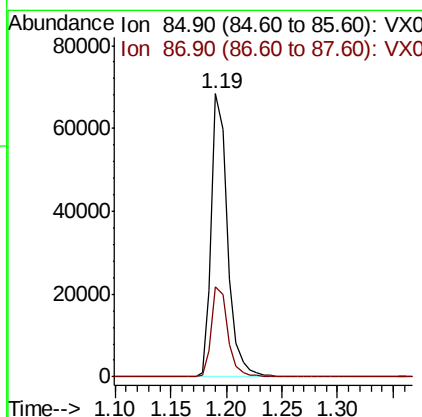
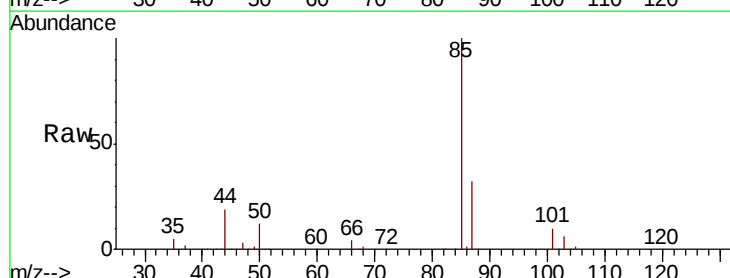
Manual Integrations
APPROVED

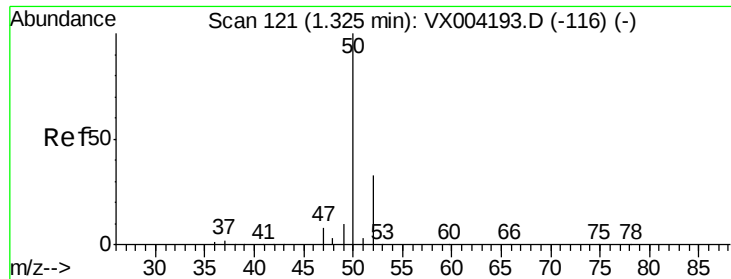
MMDadoda
9/6/2018 12:48:46 PM



#2
Dichlorodifluoromethane
Concen: 17.97 ug/l
RT: 1.19 min Scan# 99
Delta R.T. -0.01 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.0	50.9





#3

Chloromethane

Concen: 18.19 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0905WBSD01

Tot Ion: 50 Resp: 76954

Ion Ratio Lower Upper

50 100

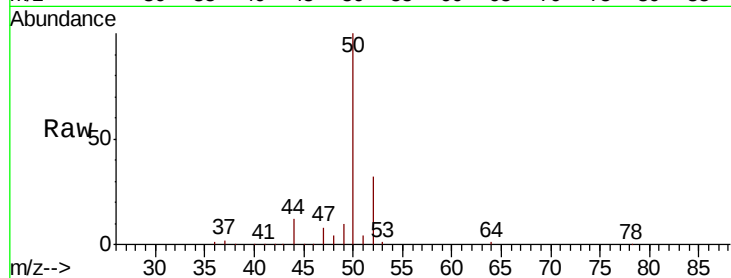
52 32.4 26.2 39.2

Manual Integrations

APPROVED

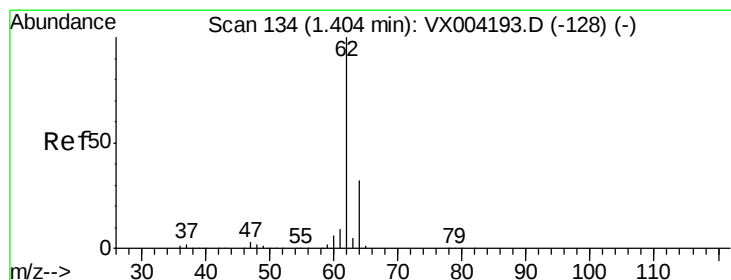
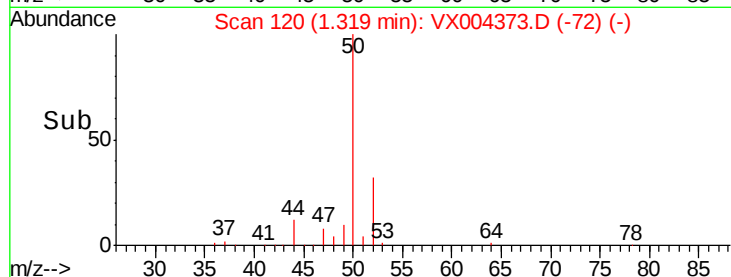
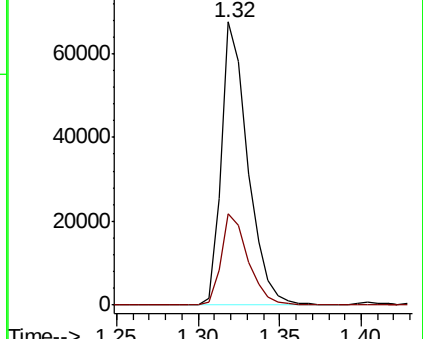
MMDadoda

9/6/2018 12:48:46 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.91 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004373.D

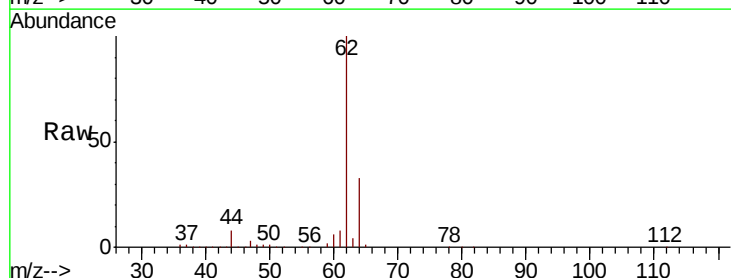
Acq: 05 Sep 2018 16:25

Tgt Ion: 62 Resp: 82737

Ion Ratio Lower Upper

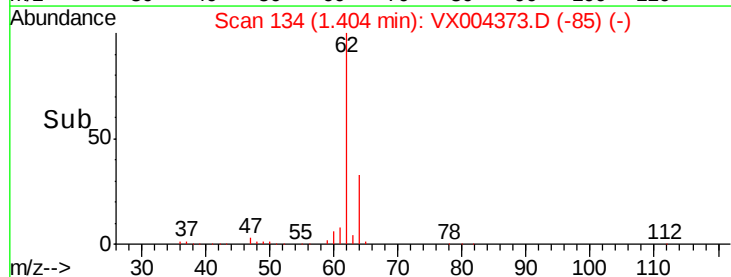
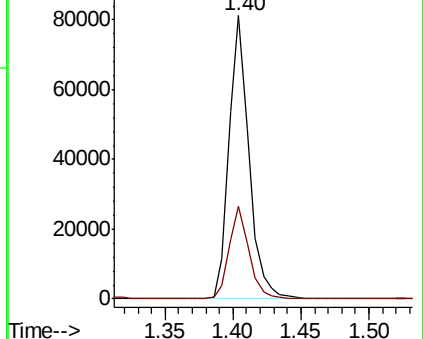
62 100

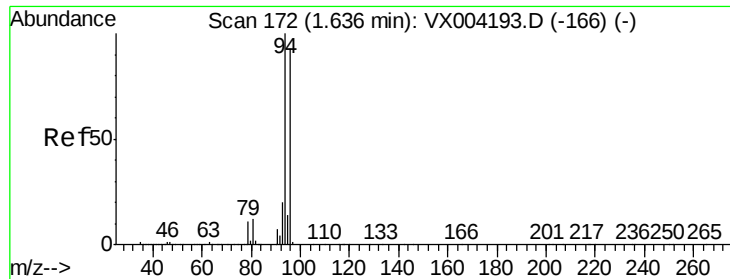
64 32.7 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 16.14 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0905WBSD01

Tot Ion: 94 Resp: 37763

Ion Ratio Lower Upper

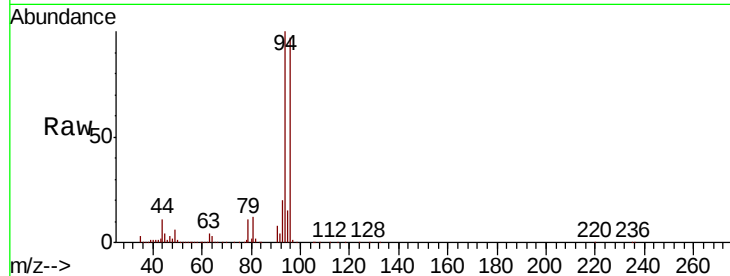
94 100

96 97.4 74.5 111.7

Manual Integrations
APPROVED

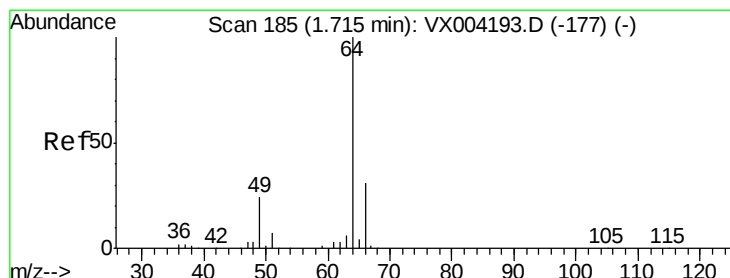
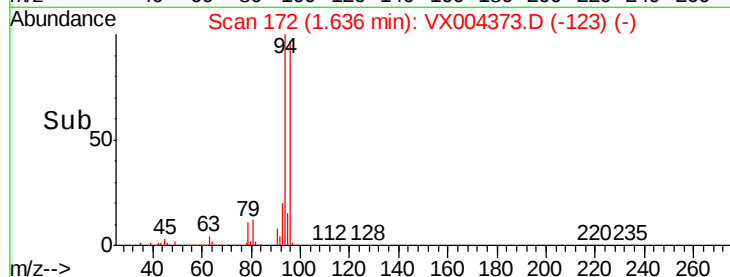
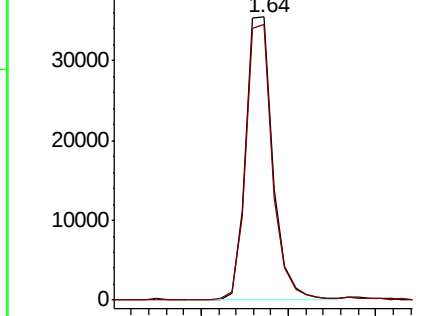
MMDadoda

9/6/2018 12:48:46 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 22.14 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.00 min

Lab File: VX004373.D

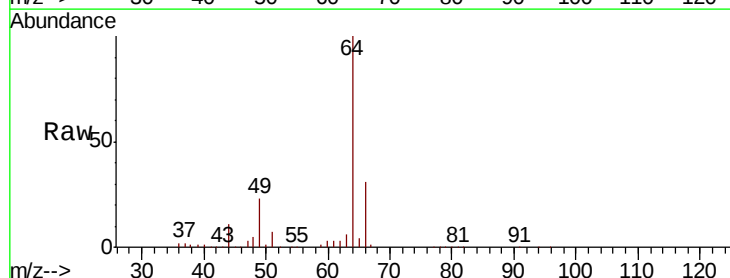
Acq: 05 Sep 2018 16:25

Tgt Ion: 64 Resp: 71464

Ion Ratio Lower Upper

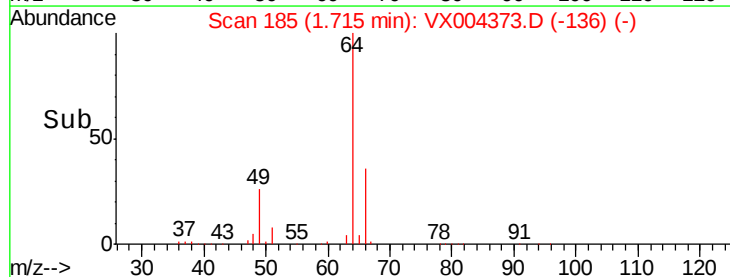
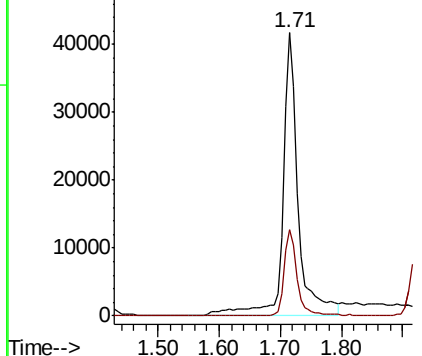
64 100

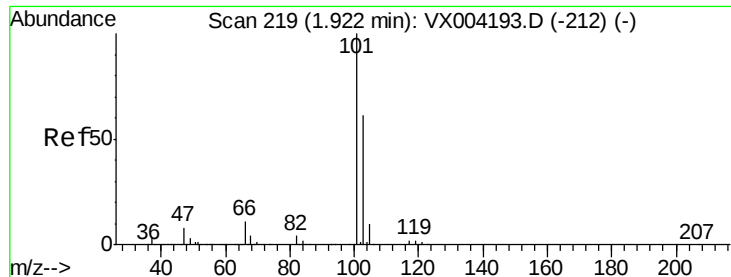
66 30.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

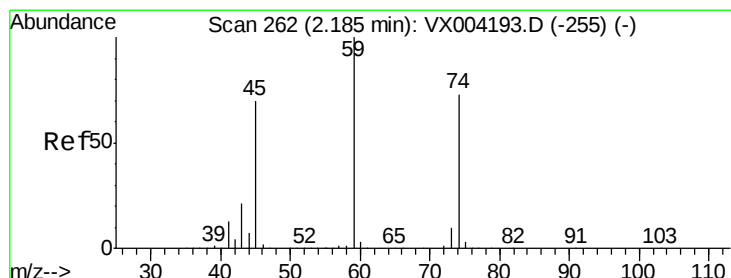
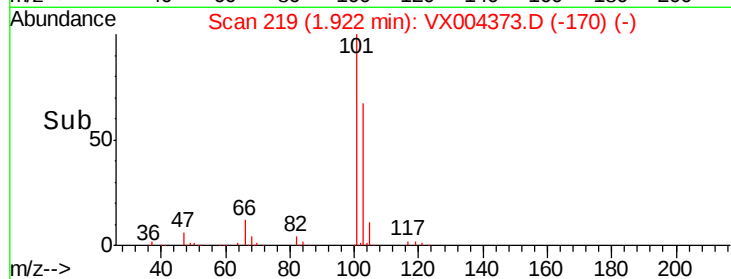
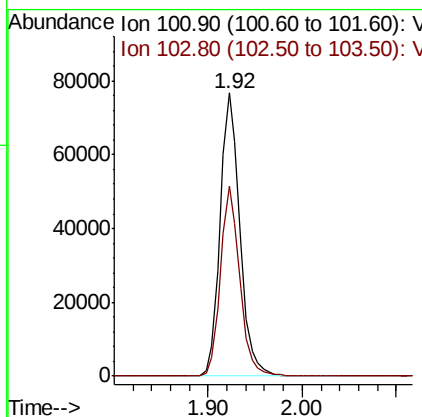
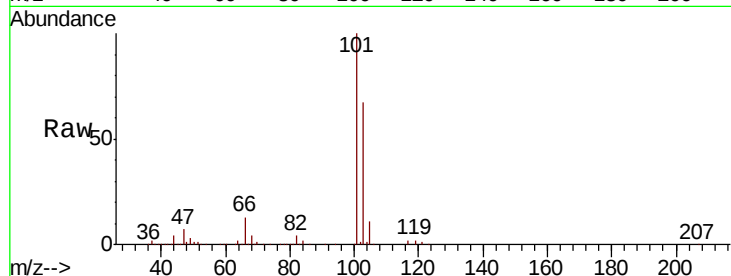
Trichlorofluoromethane
 Concen: 18.62 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VX004373.D
 Acq: 05 Sep 2018 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	111598		
103	66.9	48.9	73.3	

Manual Integrations
 APPROVED

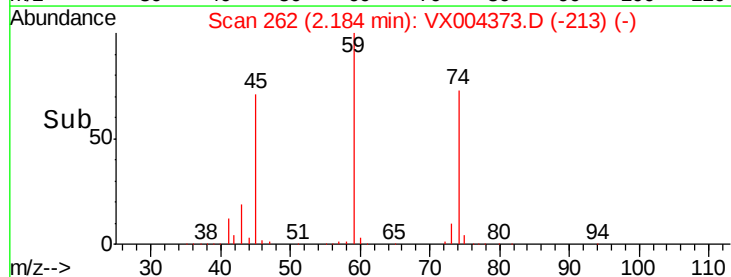
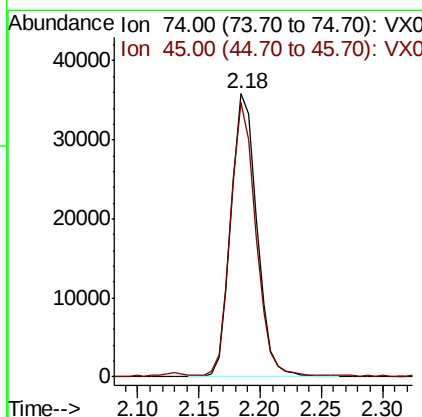
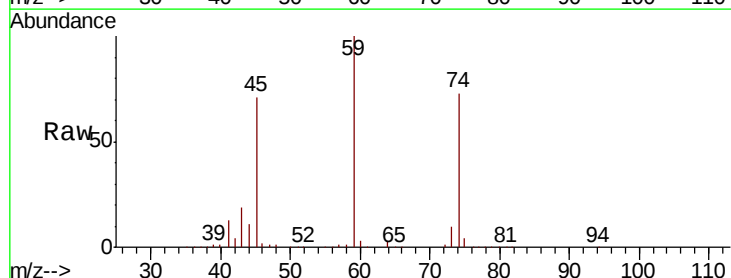
MMDadoda
 9/6/2018 12:48:46 PM

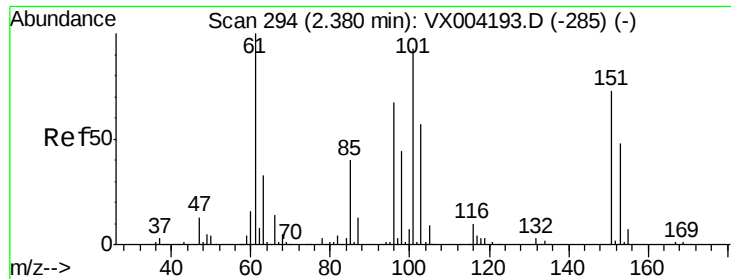


#8

Diethyl Ether
 Concen: 20.41 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004373.D
 Acq: 05 Sep 2018 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	52394		
45	94.7	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.10 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Instrument :

MSVOA_X

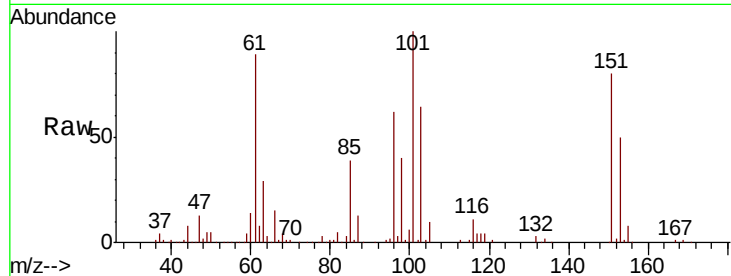
ClientSampleId :

VX0905WBSD01

Tot Ion:	101	Resp:	71732
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.2	51.4
151	81.5	65.0	97.6

Manual Integrations
APPROVED

MMDadoda
9/6/2018 12:48:46 PM

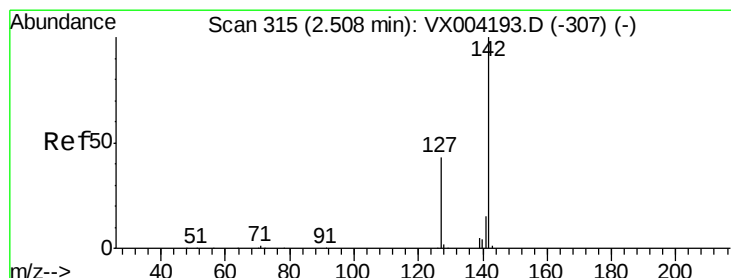
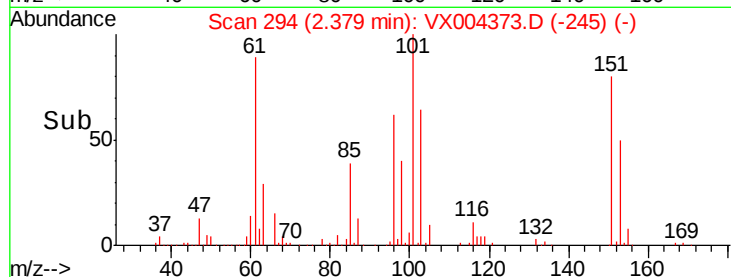
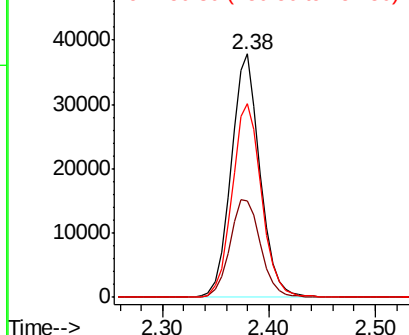


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.63 ug/l

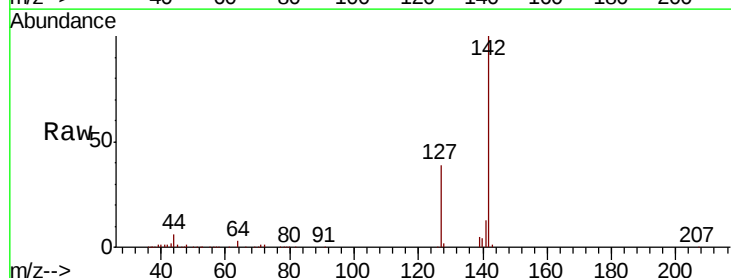
RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Tgt Ion:	142	Resp:	71173
Ion Ratio	Lower	Upper	
142	100		
127	39.6	33.8	50.6
141	13.8	11.4	17.0

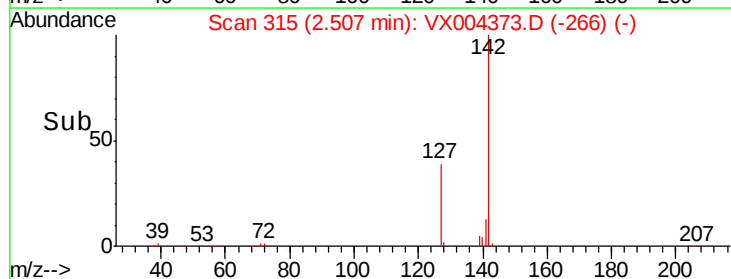
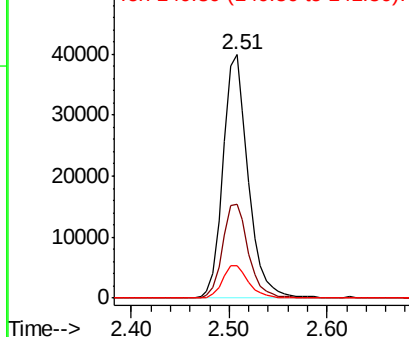


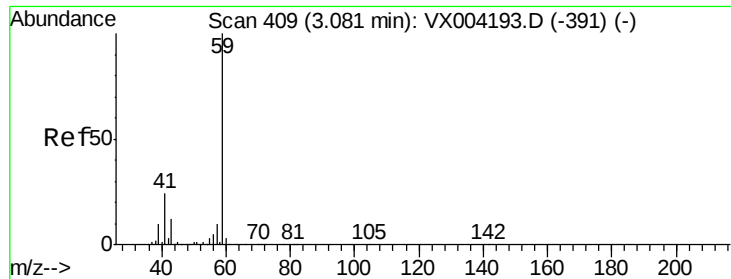
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





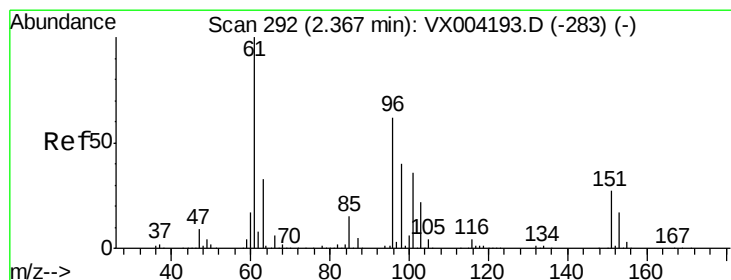
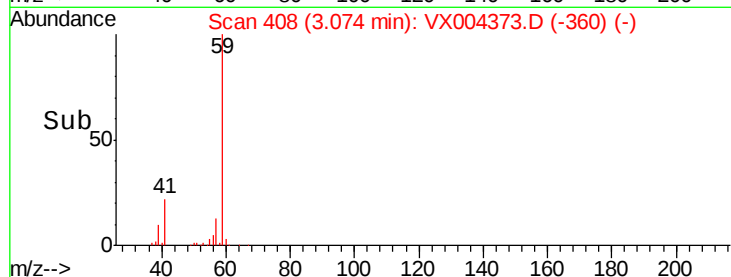
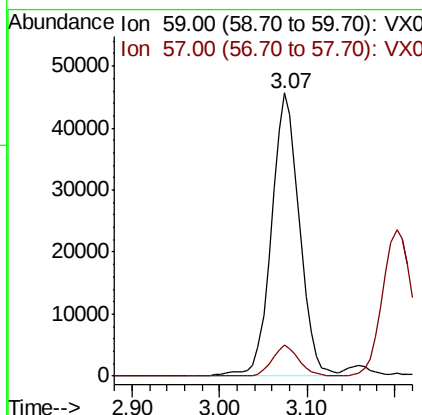
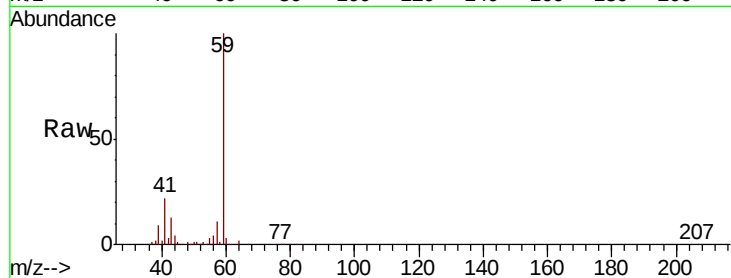
#11
Tert butyl alcohol
Concen: 110.25 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Instrument :
MSVOA_X
ClientSampleID :
VX0905WBSD01

Tot Ion: 59 Resp: 102263
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4

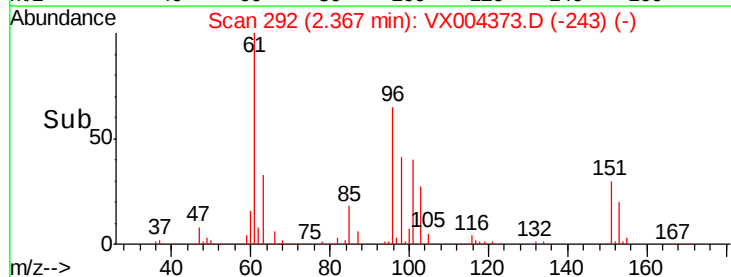
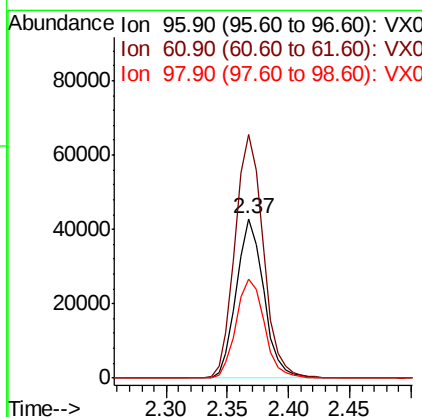
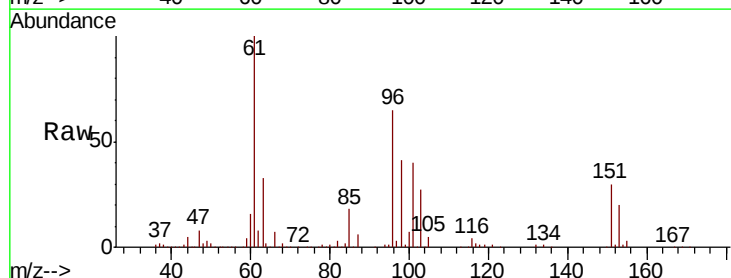
Manual Integrations
APPROVED

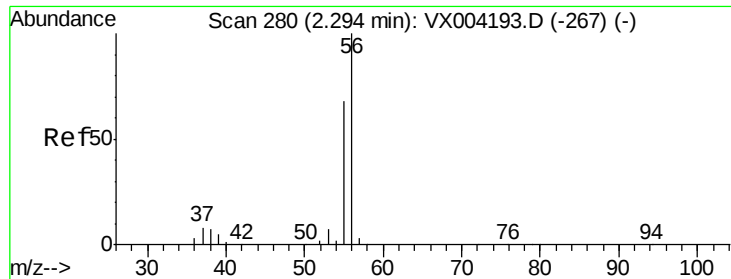
MMDadoda
9/6/2018 12:48:46 PM



#12
1,1-Dichloroethene
Concen: 18.87 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.00 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Tgt Ion: 96 Resp: 66750
Ion Ratio Lower Upper
96 100
61 152.9 128.8 193.2
98 62.5 52.2 78.2





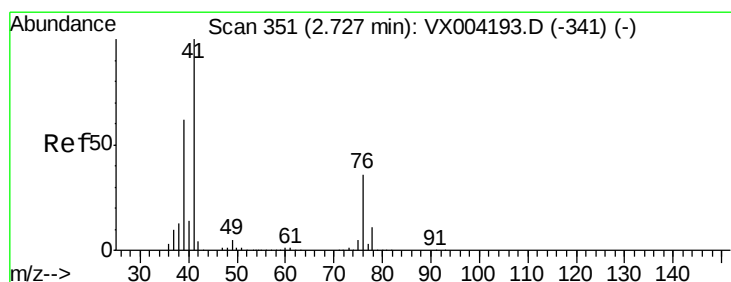
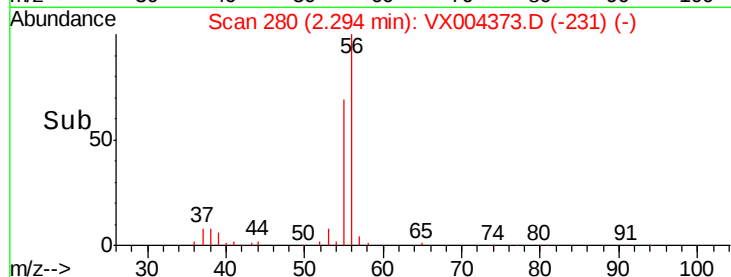
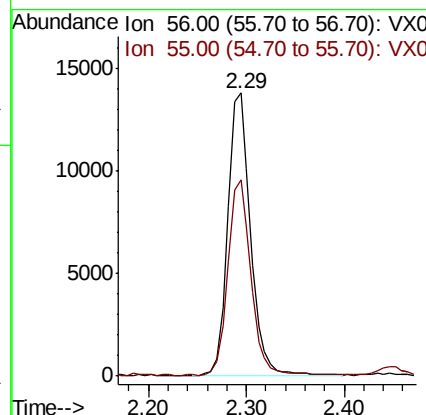
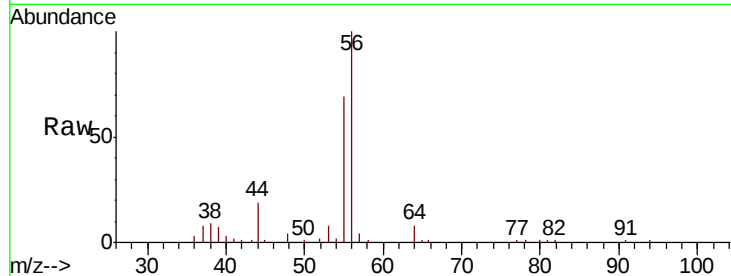
#13
Acrolein
Concen: 100.44 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0905WBSD01

Tot Ion	56	Resp	22462
Ion Ratio	100	Lower	Upper
56	100		
55	68.9	54.7	82.1

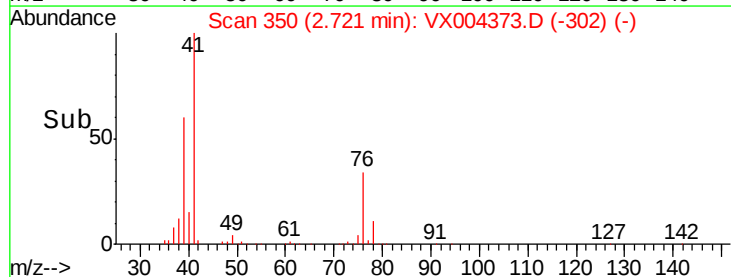
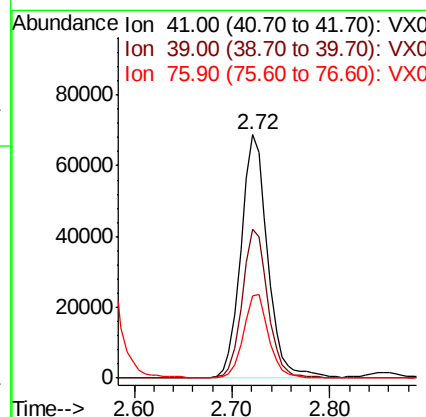
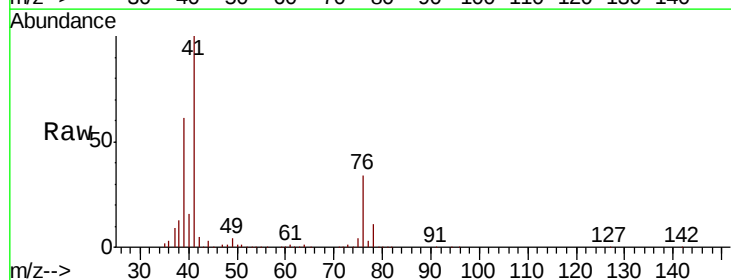
Manual Integrations
APPROVED

MMDadoda
9/6/2018 12:48:46 PM



#14
Allyl chloride
Concen: 19.97 ug/l
RT: 2.72 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Tgt Ion	41	Resp	129771
Ion Ratio	100	Lower	Upper
41	100		
39	58.4	48.9	73.3
76	32.5	26.7	40.1





#15

Acrylonitrile

Concen: 104.29 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Instrument :

MSVOA_X

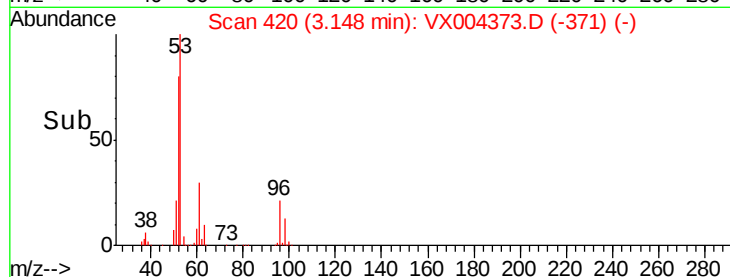
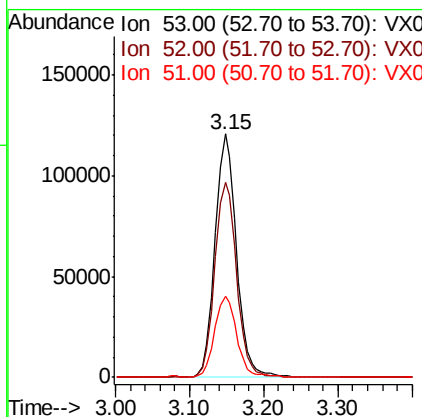
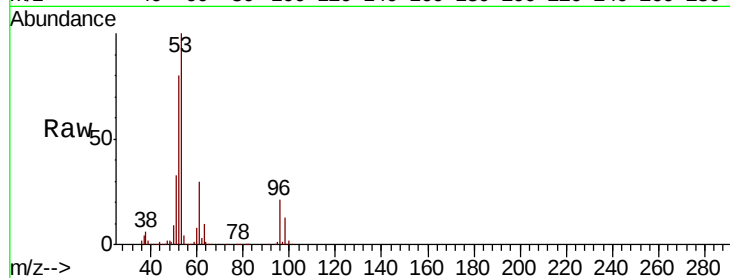
ClientSampleId :

VX0905WBSD01

Tot Ion:	53	Resp:	239562
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.2	97.8
51	34.4	28.2	42.2

Manual Integrations
APPROVED

MMDadoda
9/6/2018 12:48:46 PM



#16

Acetone

Concen: 108.80 ug/l

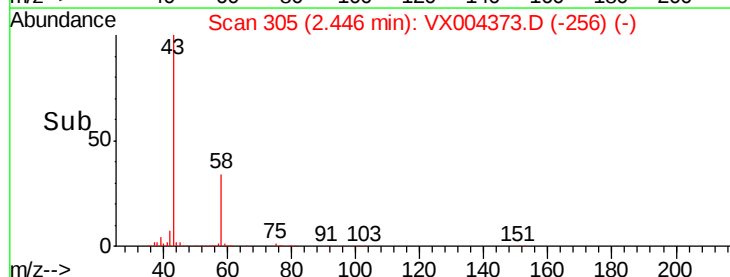
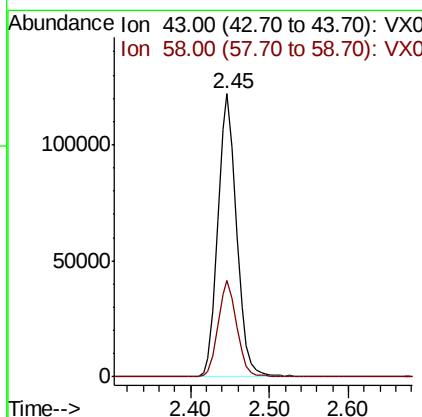
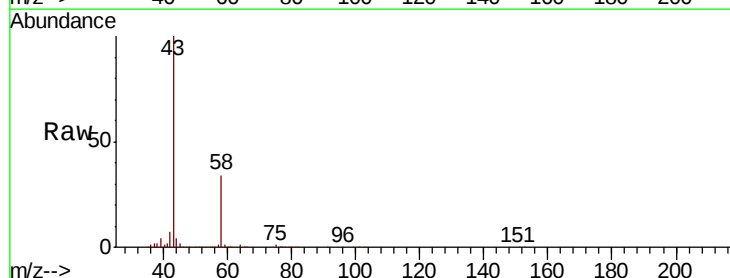
RT: 2.45 min Scan# 305

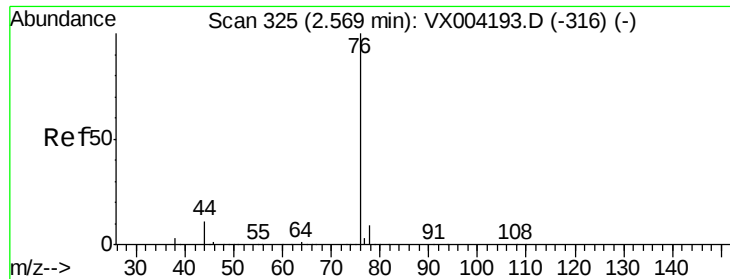
Delta R.T. 0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Tgt Ion:	43	Resp:	201370
Ion	Ratio	Lower	Upper
43	100		
58	34.2	26.2	39.4





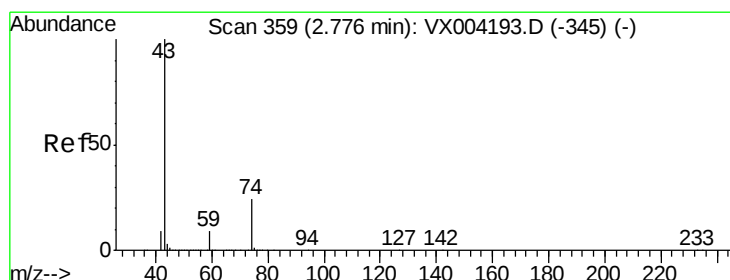
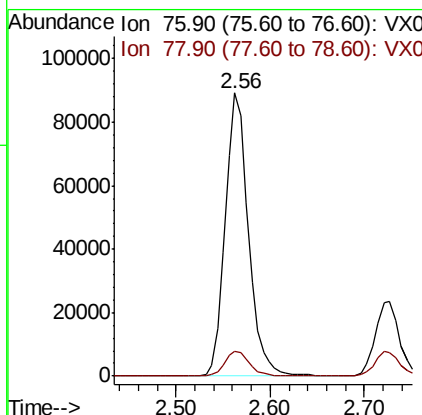
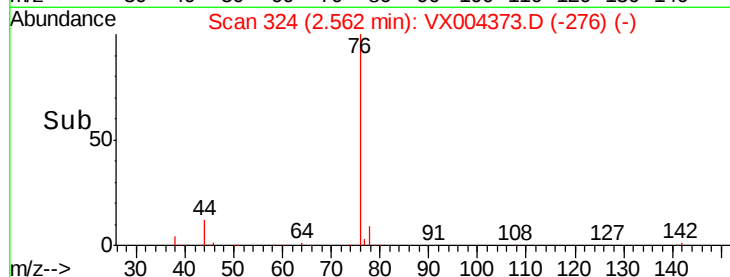
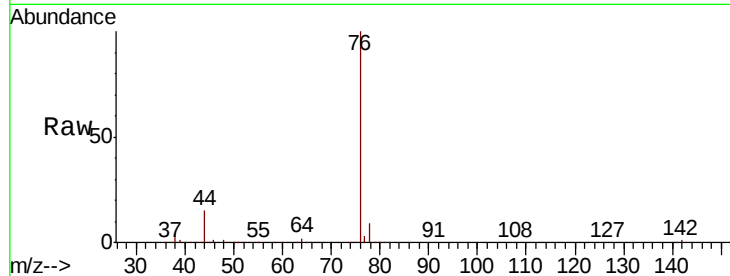
#17
Carbon Disulfide
Concen: 16.09 ug/l
RT: 2.56 min Scan# 324
Delta R.T. -0.01 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0905WBSD01

Tot Ion: 76 Resp: 152649
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6

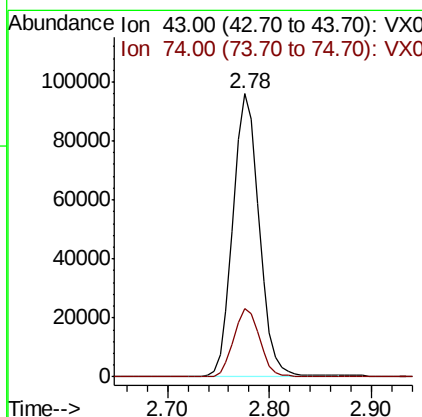
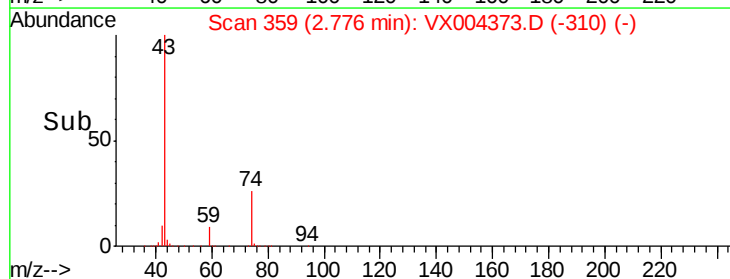
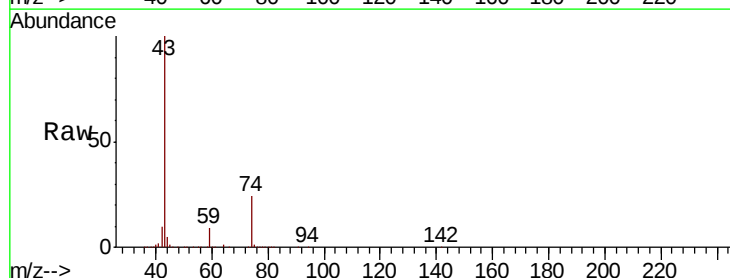
Manual Integrations
APPROVED

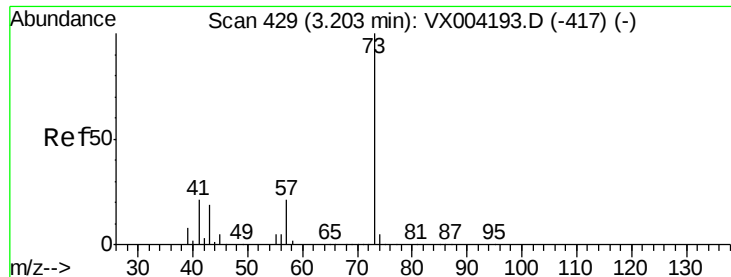
MMDadoda
9/6/2018 12:48:46 PM



#18
Methyl Acetate
Concen: 26.35 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.00 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Tgt Ion: 43 Resp: 170181
Ion Ratio Lower Upper
43 100
74 24.3 19.4 29.2





#19

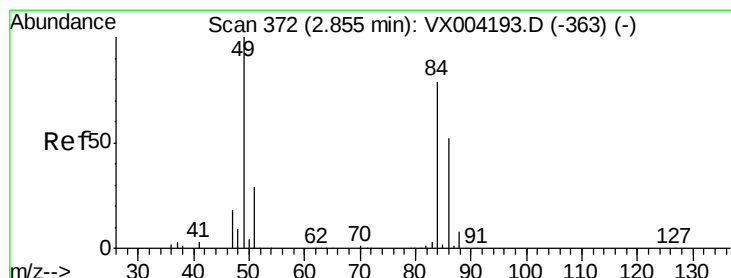
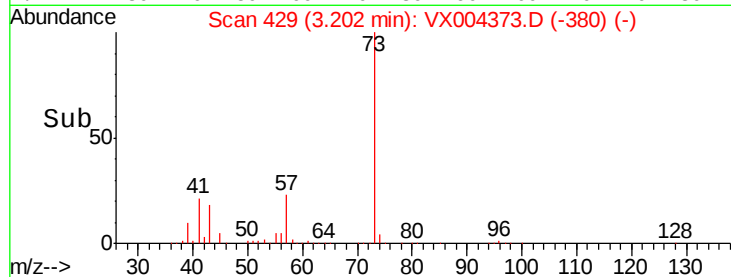
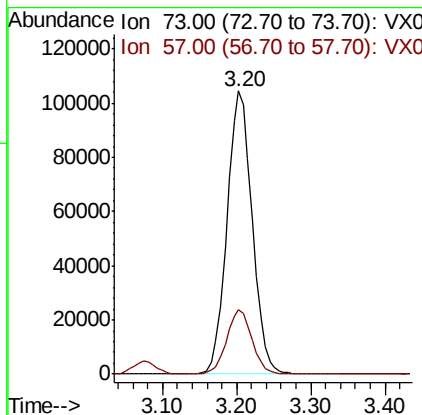
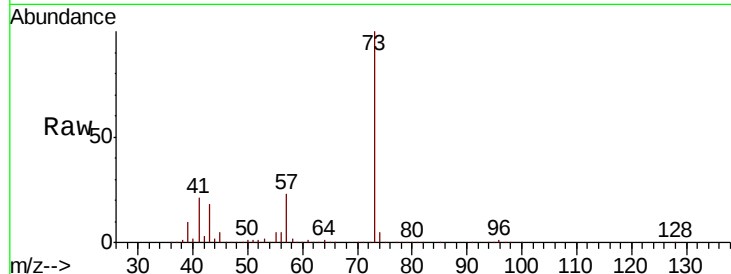
Methyl tert-butyl Ether
 Concen: 21.14 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: VX004373.D
 Acq: 05 Sep 2018 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.1	25.7

Manual Integrations
 APPROVED

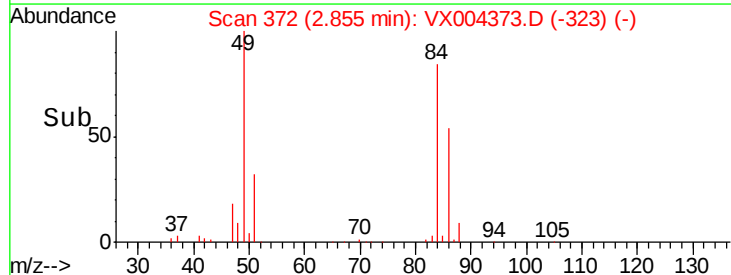
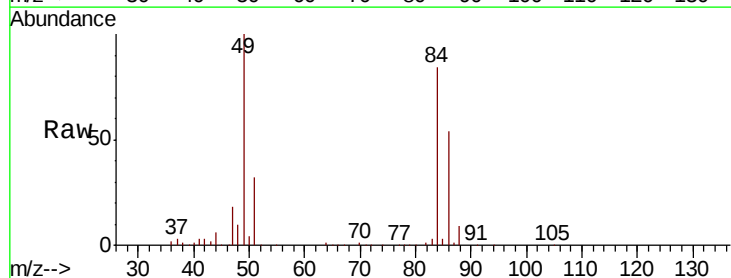
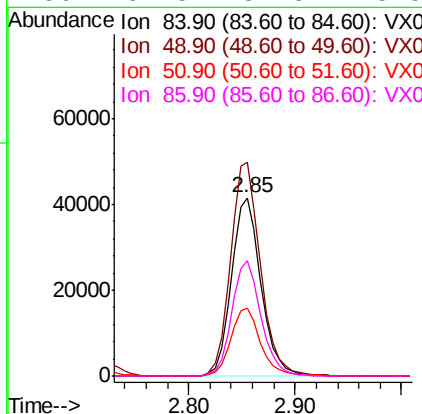
MMDadoda
 9/6/2018 12:48:46 PM

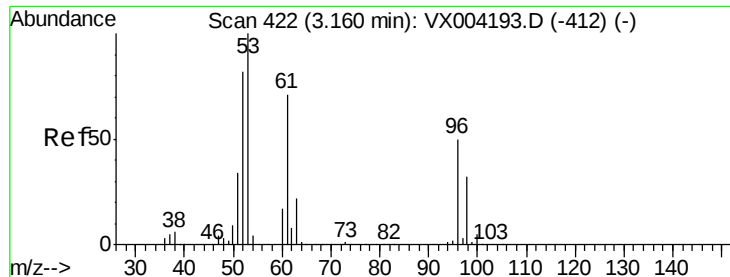


#20

Methylene Chloride
 Concen: 19.27 ug/l
 RT: 2.85 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VX004373.D
 Acq: 05 Sep 2018 16:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.6	101.2	151.8
51	37.9	29.5	44.3
86	64.5	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 18.47 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0905WBSD01

Tot Ion: 96 Resp: 72325

Ion Ratio Lower Upper

96 100

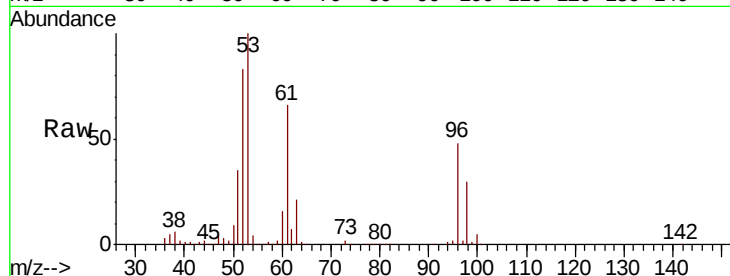
61 136.8 113.8 170.6

98 63.0 51.8 77.8

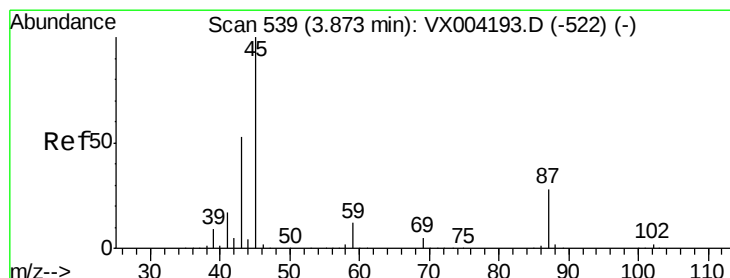
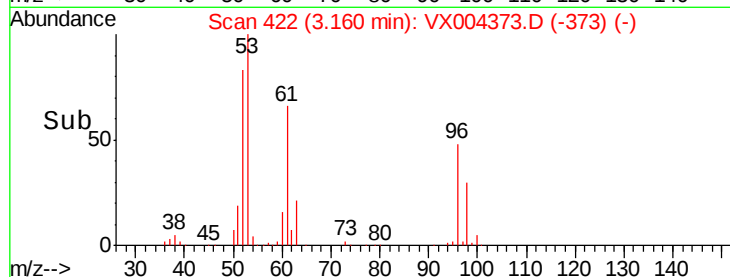
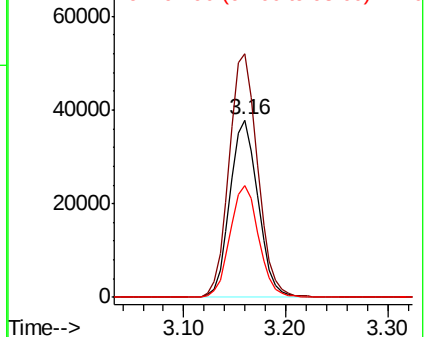
Manual Integrations
APPROVED

MMDadoda

9/6/2018 12:48:46 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.52 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Tgt Ion: 45 Resp: 248968

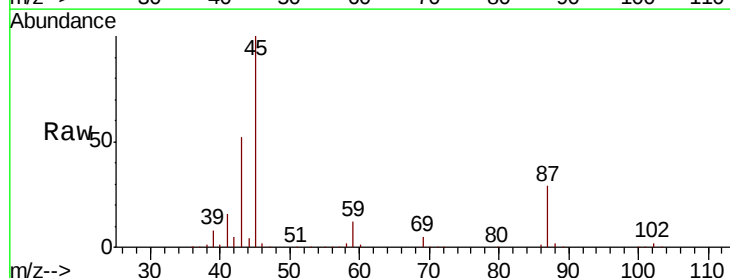
Ion Ratio Lower Upper

45 100

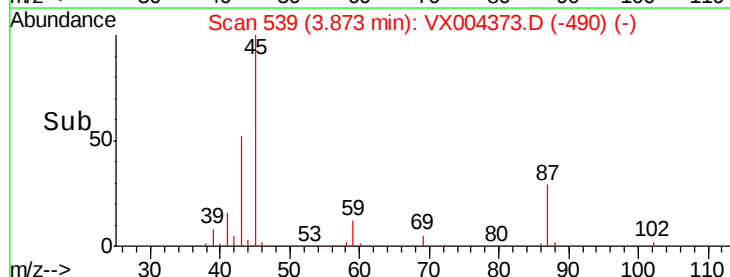
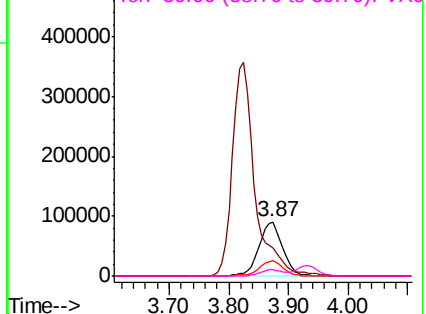
43 52.3 42.8 64.2

87 29.0 22.6 34.0

59 12.2 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 94.91 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0905WBSD01

Tot Ion: 43 Resp: 933353

Ion Ratio Lower Upper

43 100

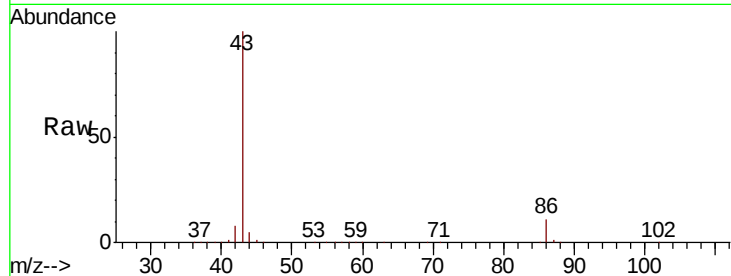
86 11.4 8.9 13.3

Manual Integrations

APPROVED

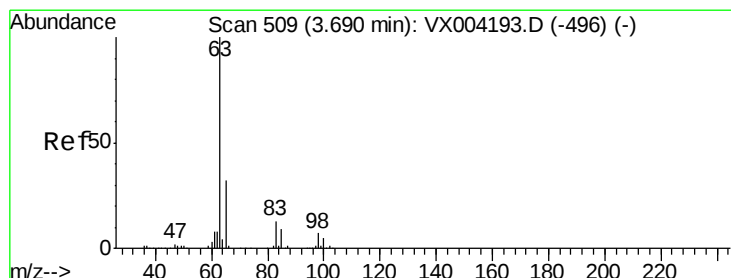
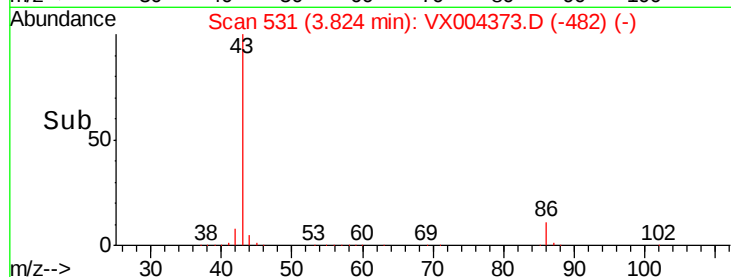
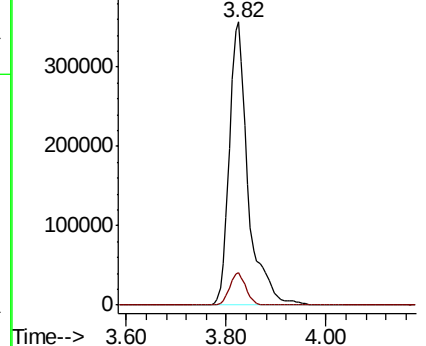
MMDadoda

9/6/2018 12:48:46 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.29 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

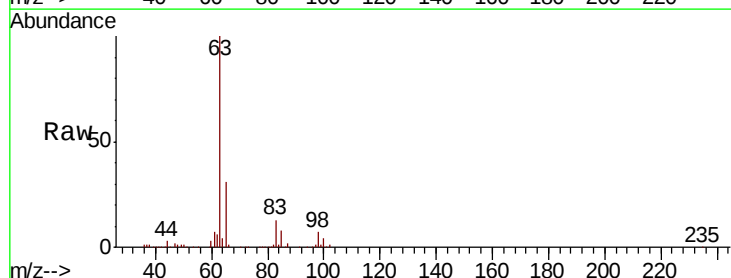
Tgt Ion: 63 Resp: 143472

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.4

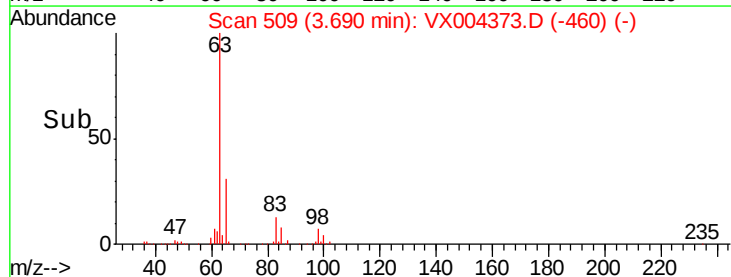
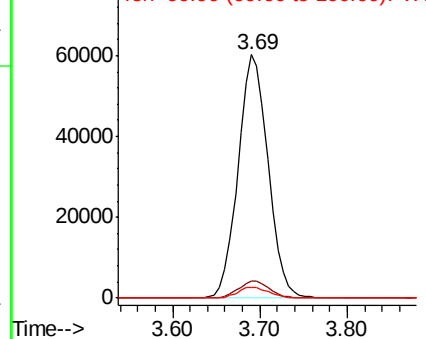
100 4.3 2.4 7.1

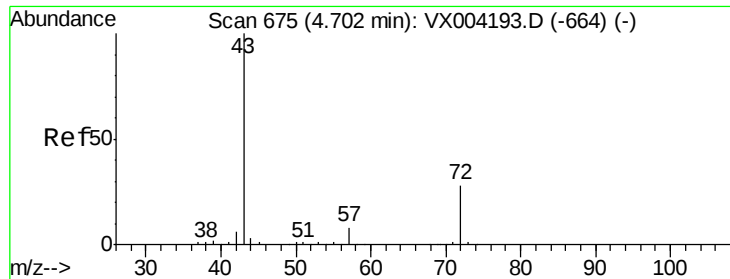


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 106.25 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0905WBSD01

Tot Ion: 43 Resp: 314579

Ion Ratio Lower Upper

43 100

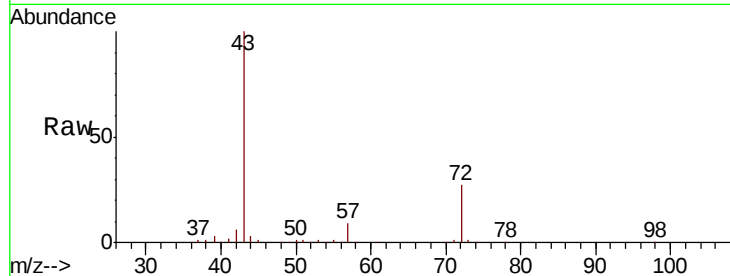
72 27.1 22.0 33.0

Manual Integrations

APPROVED

MMDadoda

9/6/2018 12:48:46 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

40000

20000

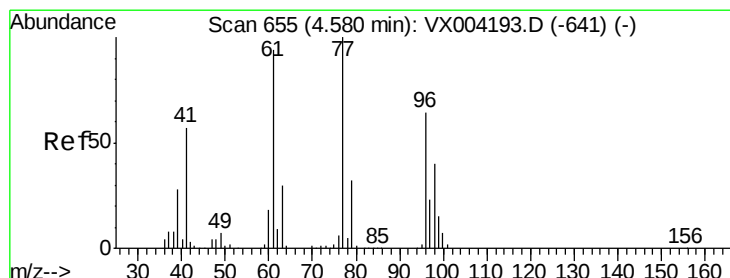
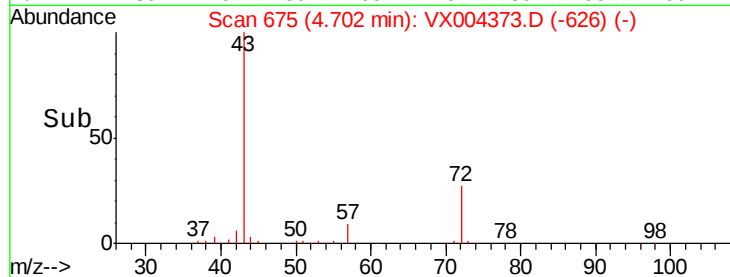
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 19.20 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004373.D

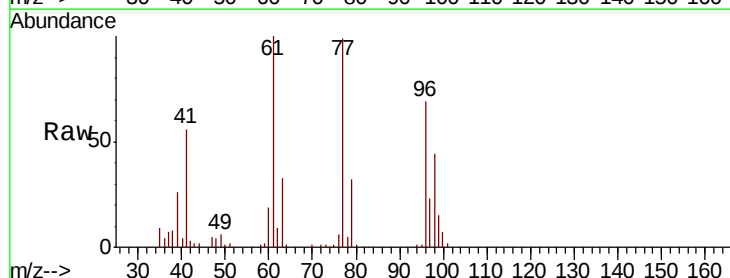
Acq: 05 Sep 2018 16:25

Tgt Ion: 77 Resp: 106471

Ion Ratio Lower Upper

77 100

97 24.5 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

20000

10000

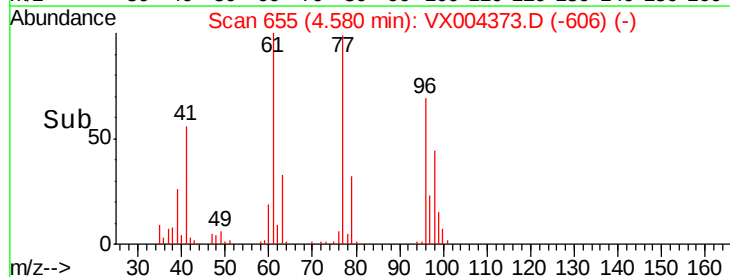
0

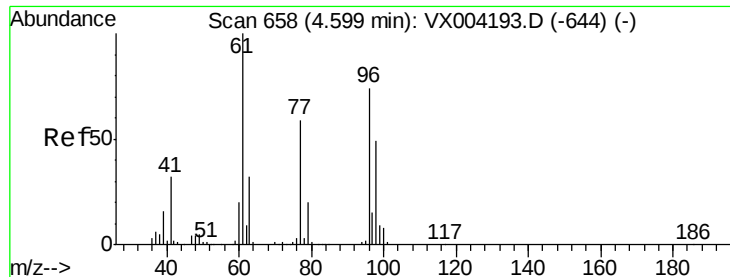
4.50

4.60

4.70

Time-->





#27

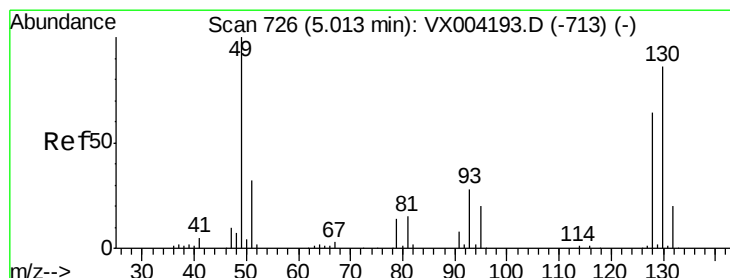
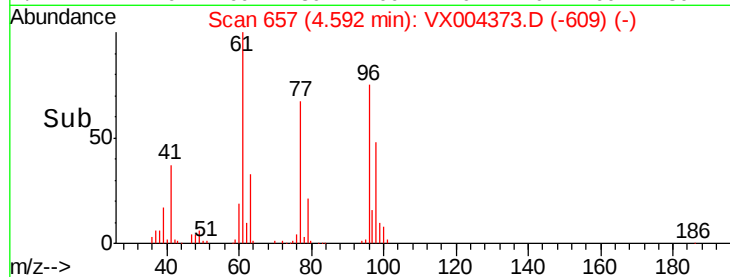
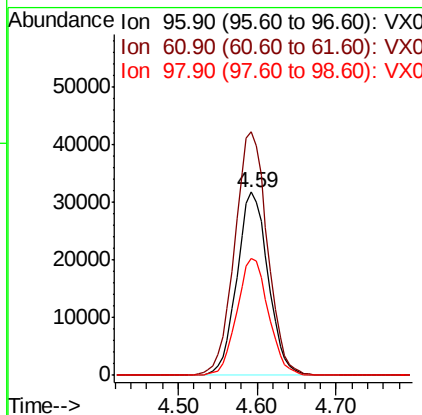
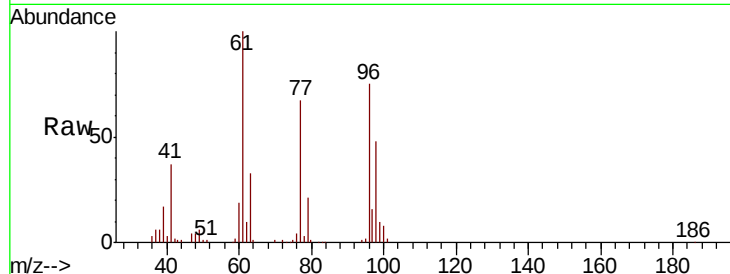
cis-1,2-Dichloroethene
 Concen: 19.70 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VX004373.D
 Acq: 05 Sep 2018 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.4	0.0	282.6
98	64.4	0.0	130.2

Manual Integrations
 APPROVED

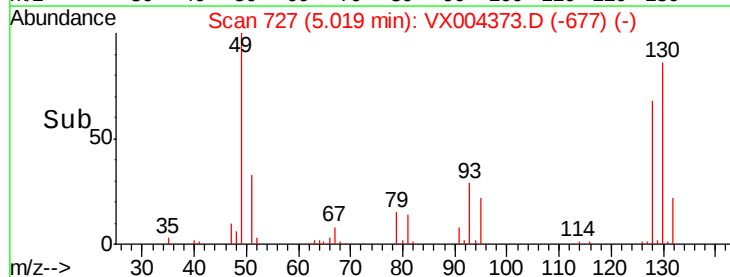
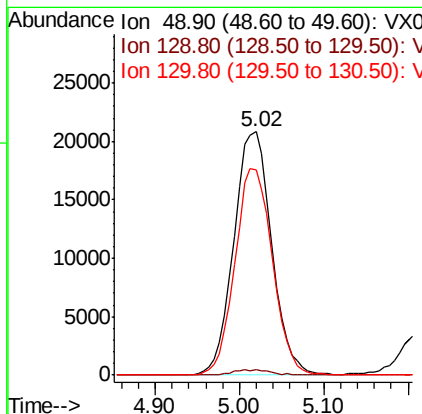
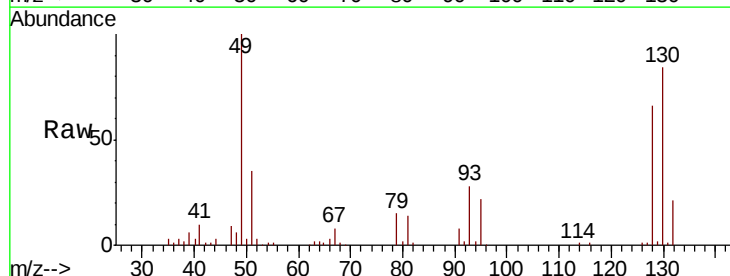
MMDadoda
 9/6/2018 12:48:46 PM

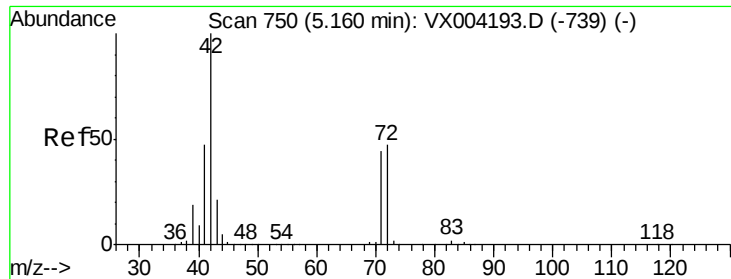


#28

Bromochloromethane
 Concen: 20.29 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. 0.01 min
 Lab File: VX004373.D
 Acq: 05 Sep 2018 16:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	84.1	67.5	101.3





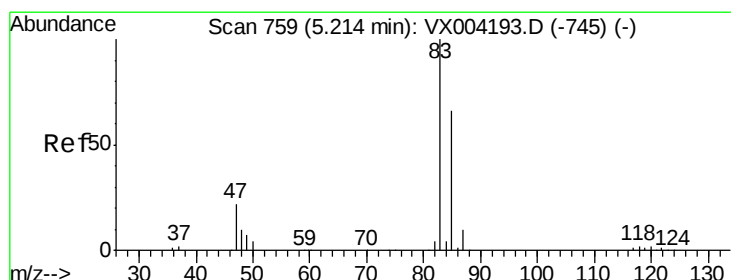
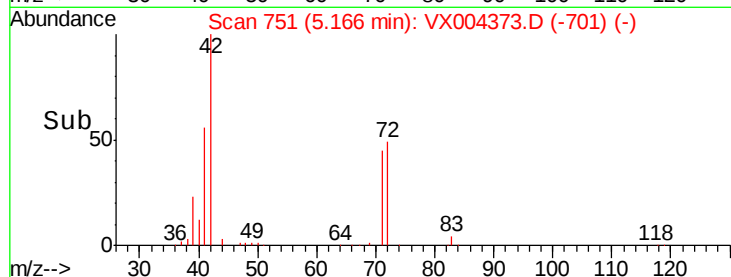
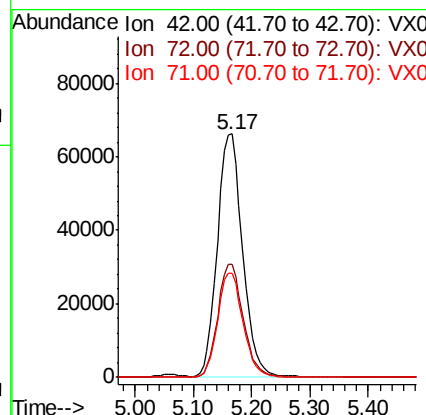
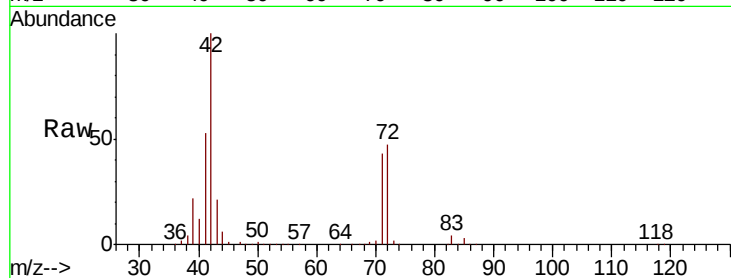
#29
Tetrahydrofuran
Concen: 106.24 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.01 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0905WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	37.4	56.0
71	43.3	34.5	51.7

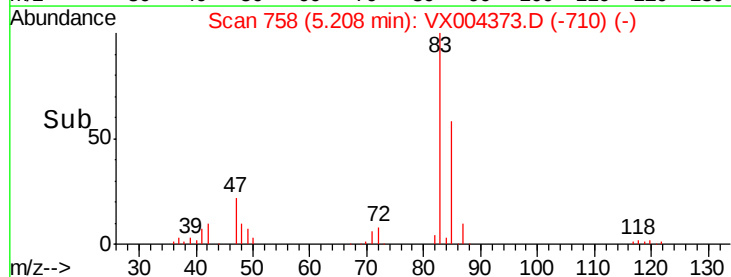
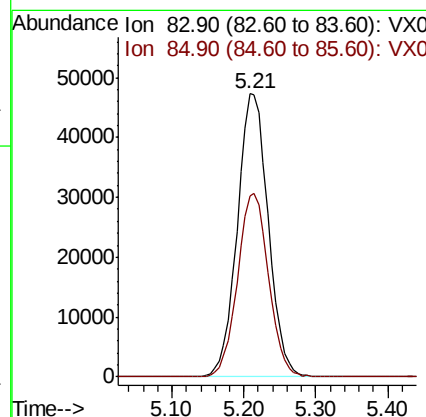
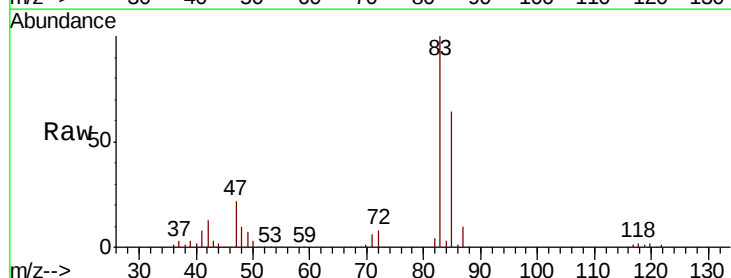
Manual Integrations
APPROVED

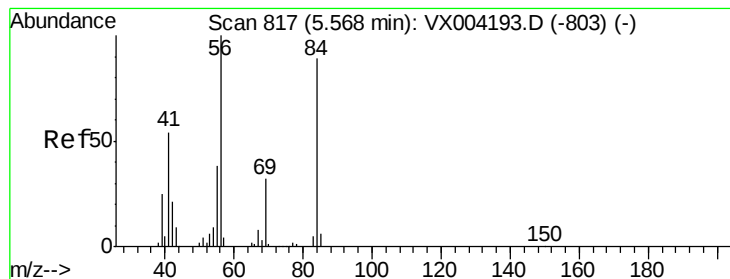
MMDadoda
9/6/2018 12:48:46 PM



#30
Chloroform
Concen: 19.85 ug/l
RT: 5.21 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.6	79.0





#31

Cyclohexane

Concen: 19.05 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Instrument :

MSVOA_X

ClientSampled :

VX0905WBSD01

Tot Ion: 56 Resp: 116222

Ion Ratio Lower Upper

56 100

69 30.5 25.4 38.2

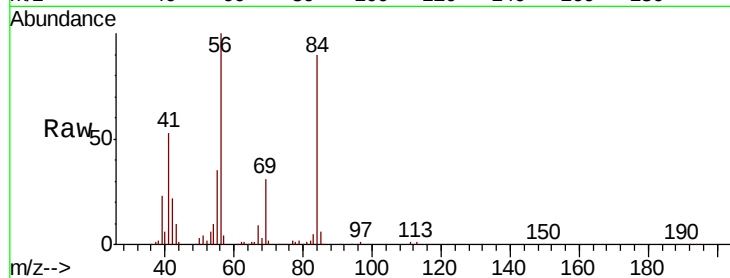
84 89.2 71.4 107.2

Manual Integrations

APPROVED

MMDadoda

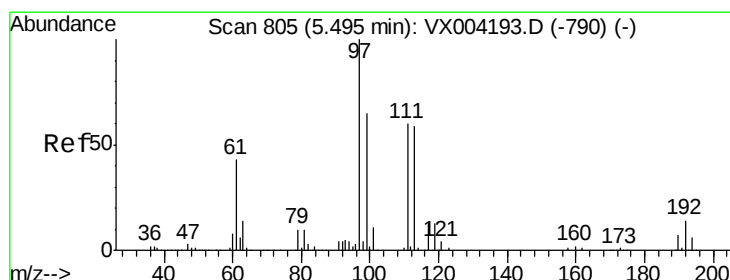
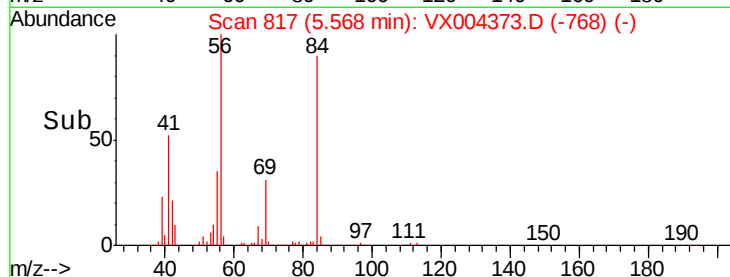
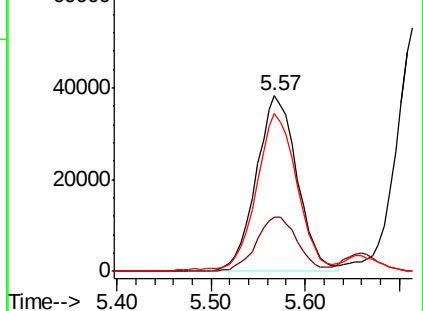
9/6/2018 12:48:46 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.56 ug/l

RT: 5.49 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

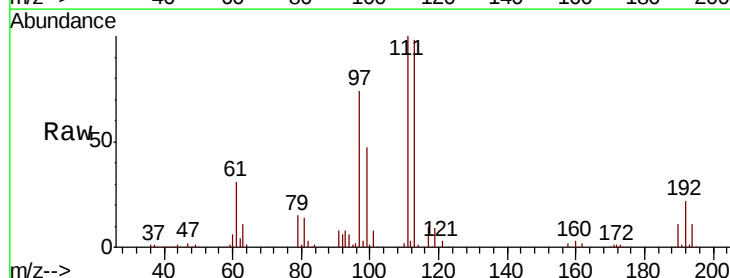
Tgt Ion: 97 Resp: 115659

Ion Ratio Lower Upper

97 100

99 64.3 52.0 78.0

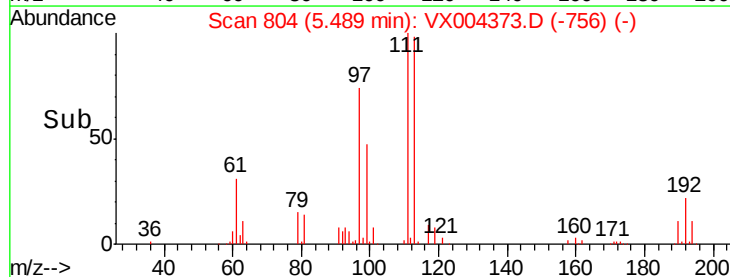
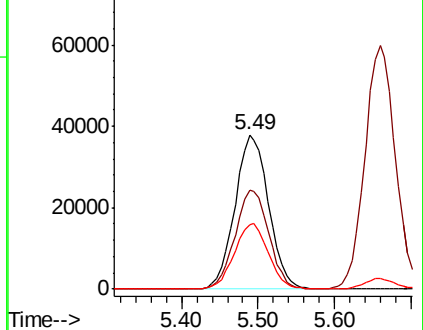
61 42.8 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





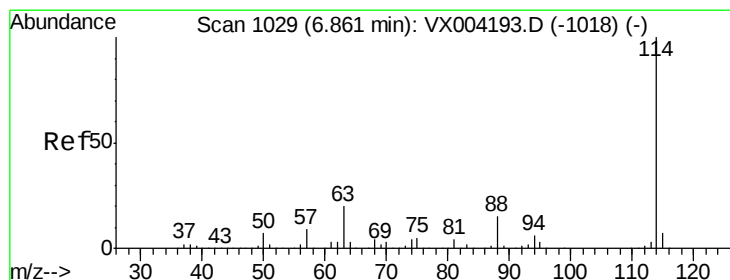
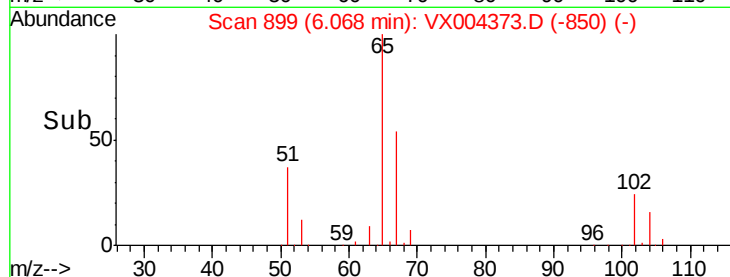
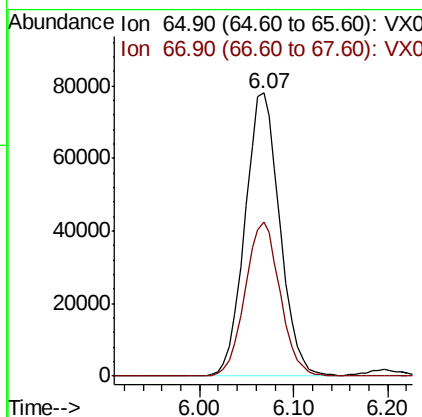
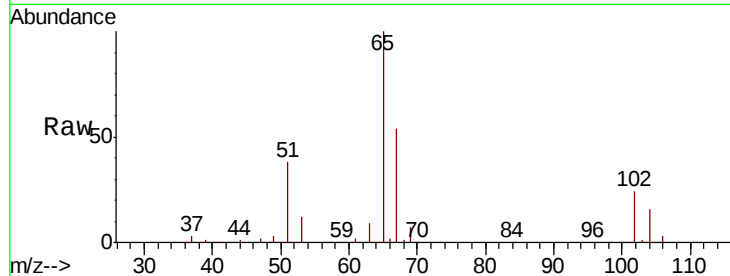
#33
 1,2-Dichloroethane-d4
 Concen: 46.51 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004373.D
 Acq: 05 Sep 2018 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	202388		
67	54.5	0.0	106.8	

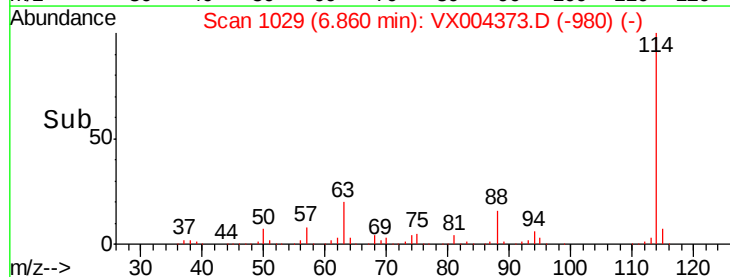
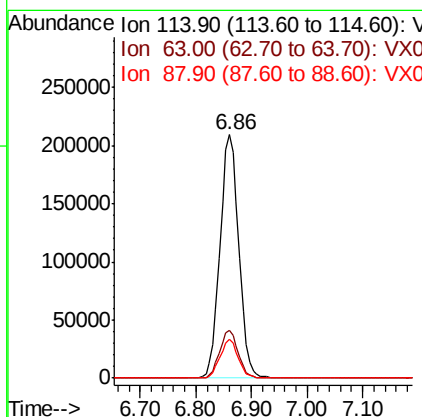
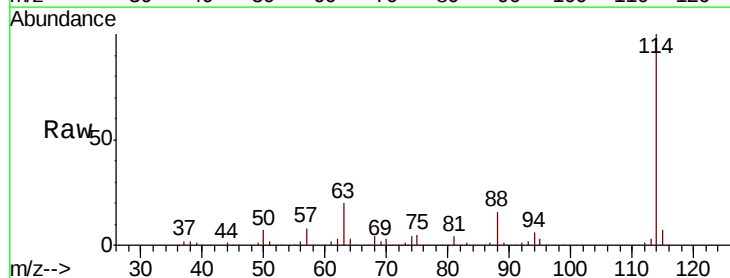
Manual Integrations
 APPROVED

MMDadoda
 9/6/2018 12:48:46 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004373.D
 Acq: 05 Sep 2018 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	489357		
63	19.6	0.0	39.0	
88	15.7	0.0	30.4	





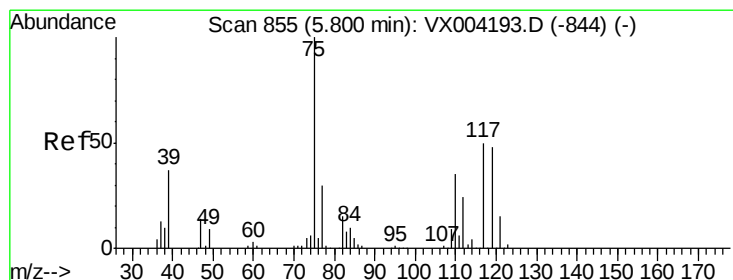
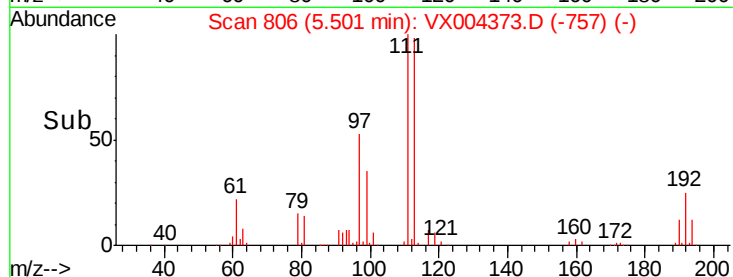
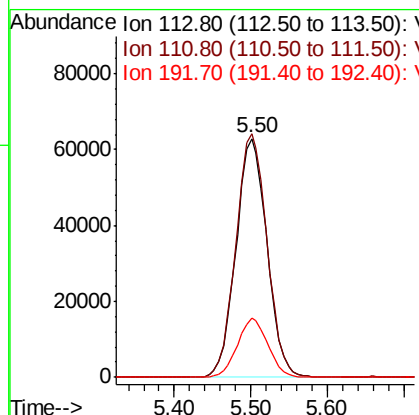
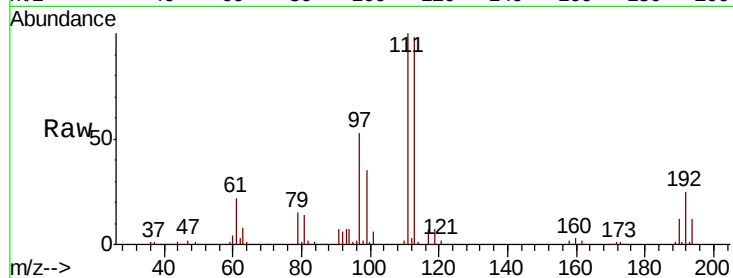
#35
 Dibromofluoromethane
 Concen: 48.53 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004373.D
 Acq: 05 Sep 2018 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	176670		
111	102.7	82.4	123.6	
192	24.4	19.4	29.2	

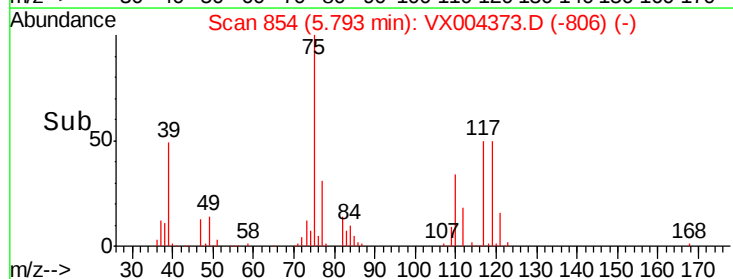
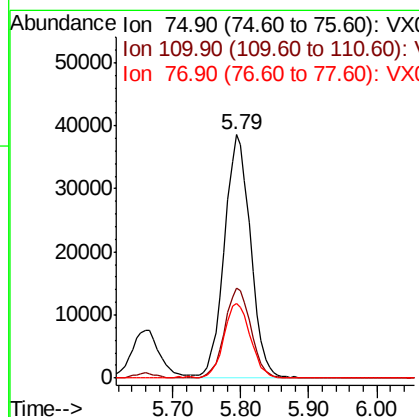
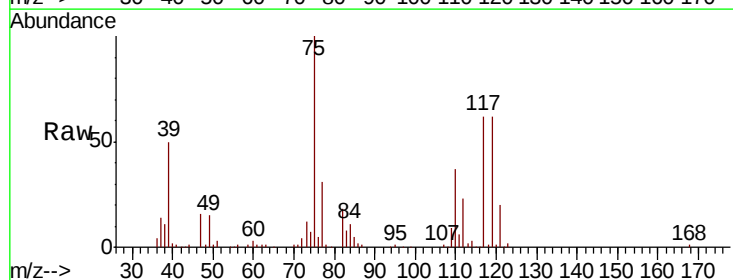
Manual Integrations
 APPROVED

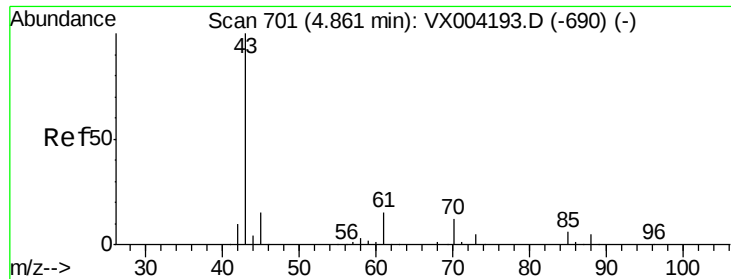
MMDadoda
 9/6/2018 12:48:46 PM



#36
 1,1-Dichloropropene
 Concen: 18.74 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX004373.D
 Acq: 05 Sep 2018 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	103124		
110	37.0	18.0	54.0	
77	31.2	24.6	36.8	





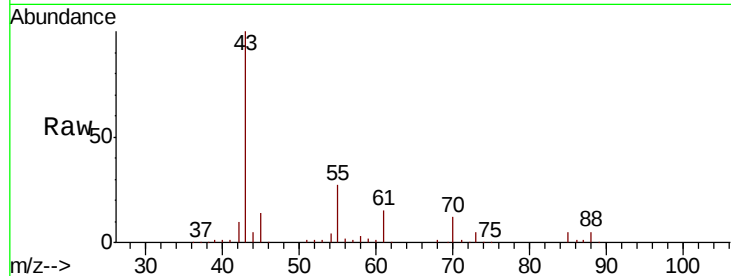
#37
Ethyl Acetate
Concen: 20.11 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.00 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0905WBSD01

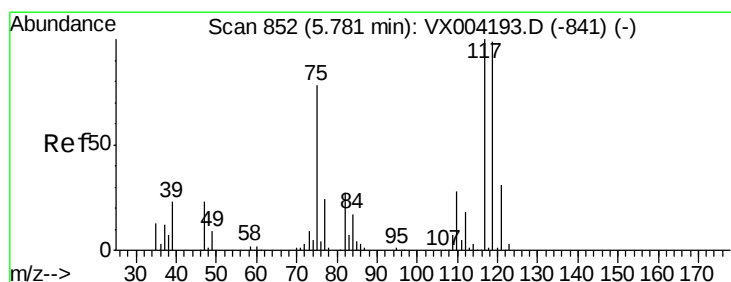
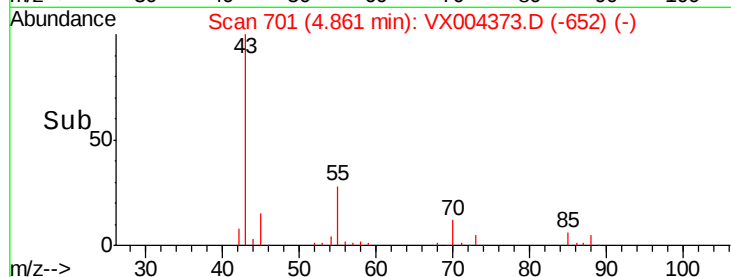
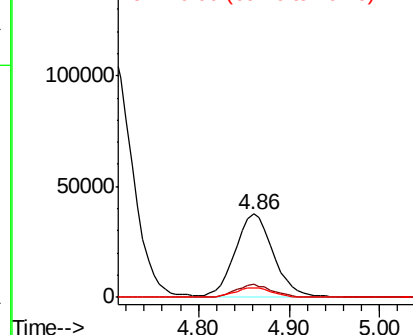
Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.5	17.3
70	11.6	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
9/6/2018 12:48:46 PM

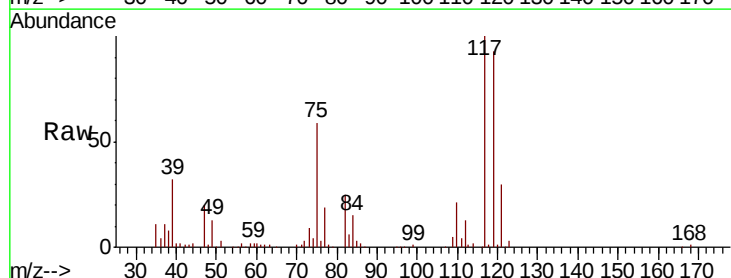


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

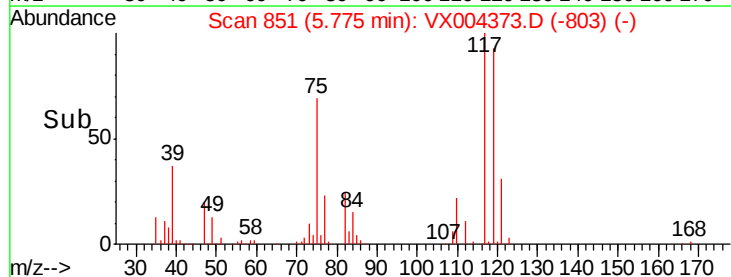
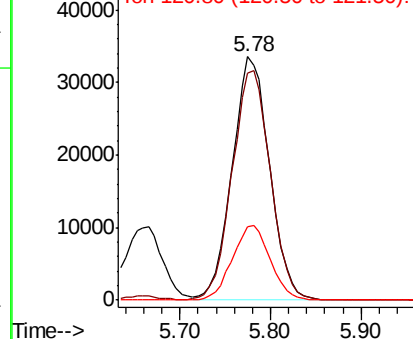


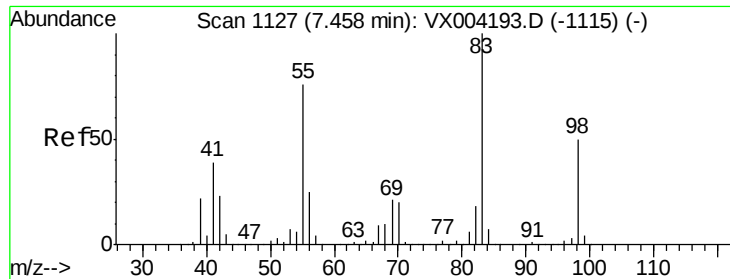
#38
Carbon Tetrachloride
Concen: 18.56 ug/l
RT: 5.78 min Scan# 851
Delta R.T. -0.01 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	78.8	118.2
121	30.0	24.9	37.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





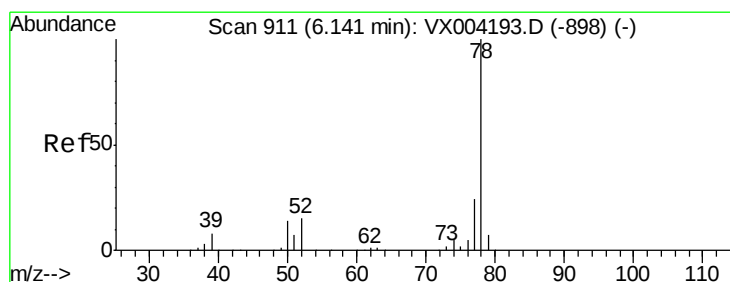
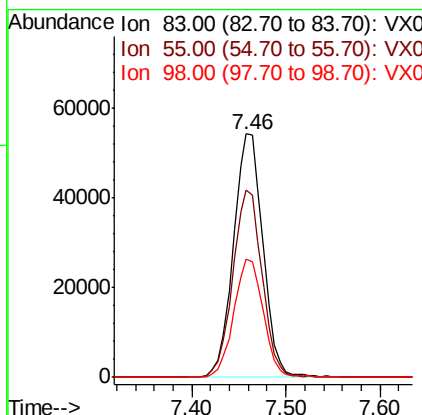
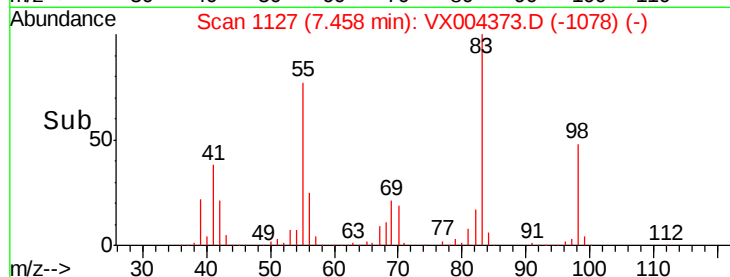
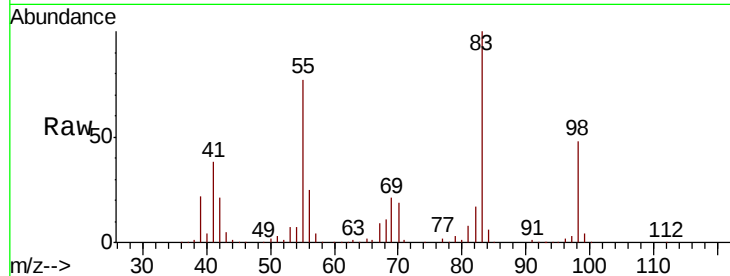
#39
Methvlcvclohexane
Concen: 18.81 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0905WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.8	61.0	91.4	
98	48.4	39.6	59.4	

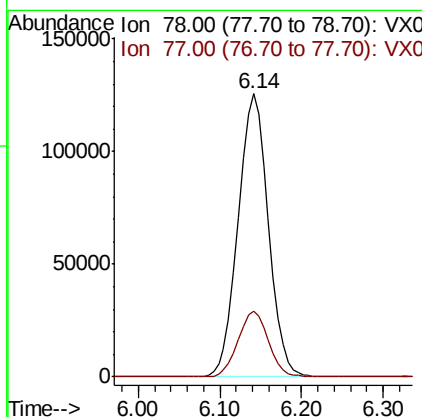
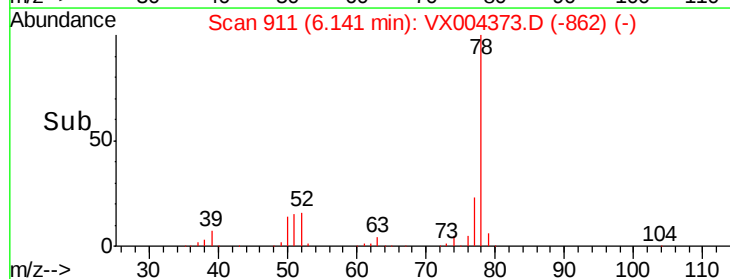
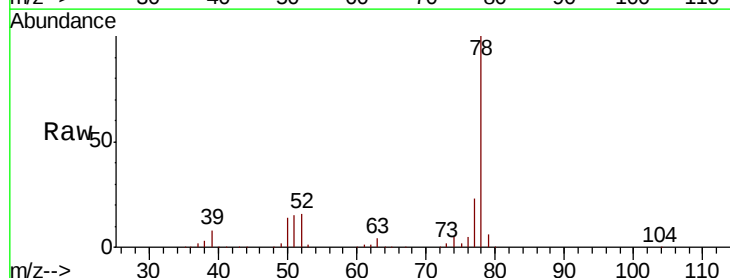
Manual Integrations
APPROVED

MMDadoda
9/6/2018 12:48:46 PM



#40
Benzene
Concen: 19.66 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.2	19.0	28.4	





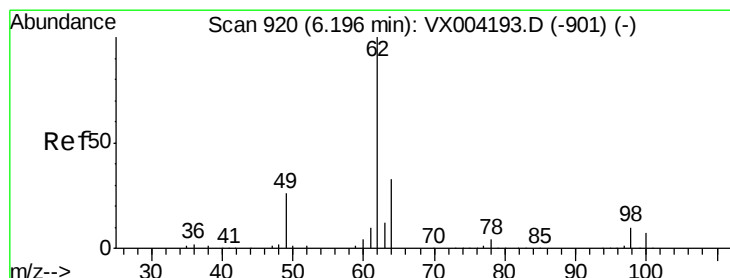
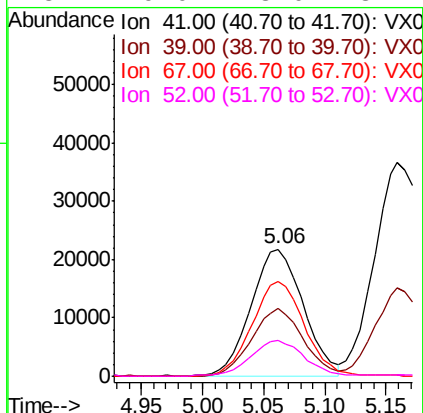
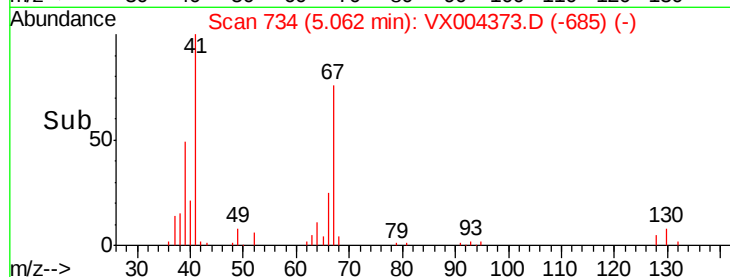
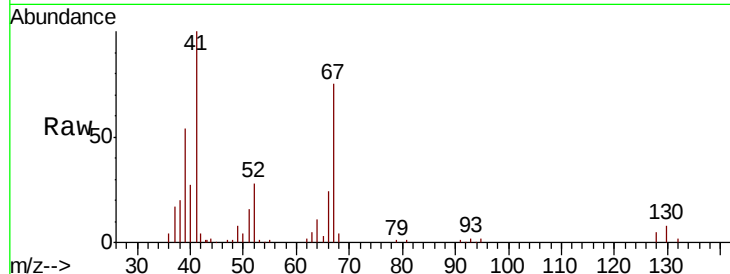
#41
Methacrylonitrile
Concen: 20.73 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.00 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0905WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.9	42.4	63.6	
67	74.4	59.2	88.8	
52	29.0	23.0	34.4	

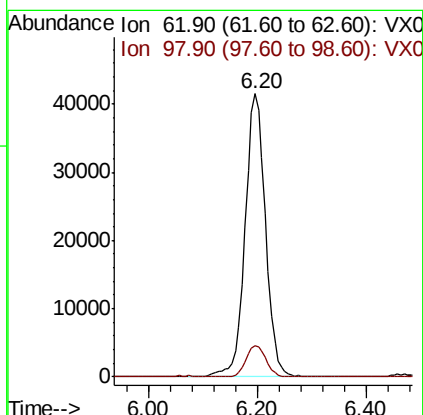
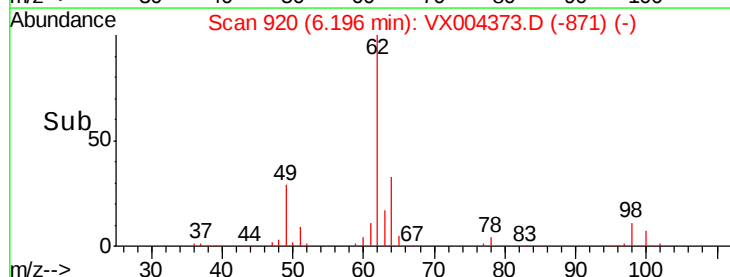
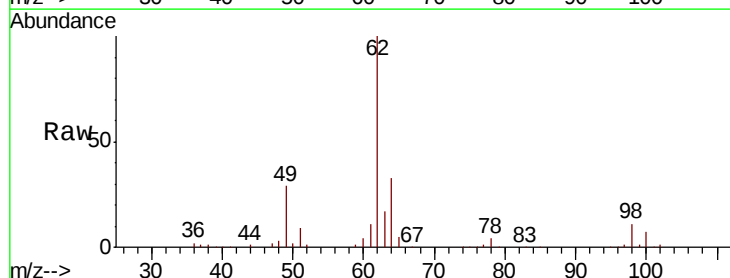
Manual Integrations
APPROVED

MMDadoda
9/6/2018 12:48:46 PM



#42
1,2-Dichloroethane
Concen: 19.28 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.9	0.0	20.6	





#43

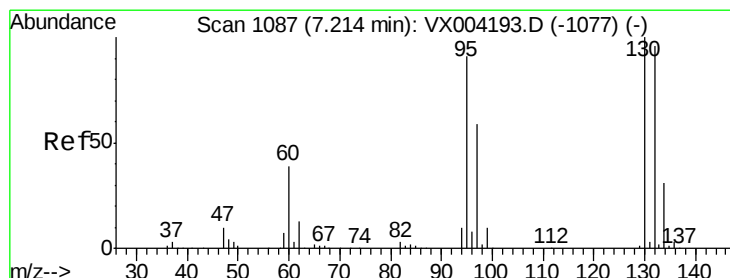
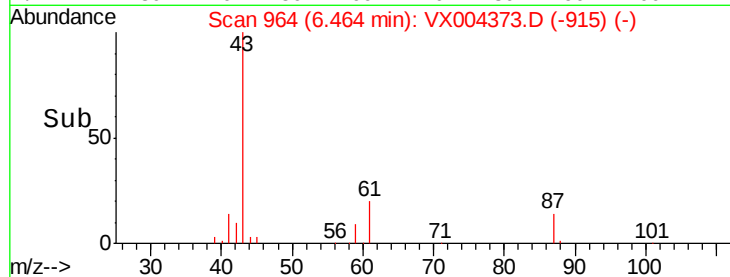
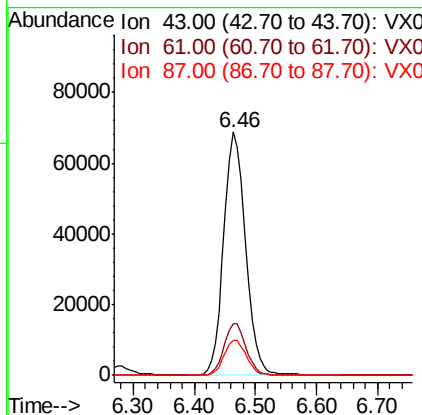
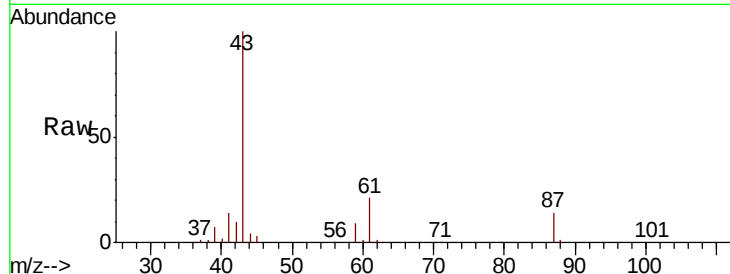
Isopropyl Acetate
 Concen: 20.50 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004373.D
 Acq: 05 Sep 2018 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	17.0	25.4
87	14.7	11.4	17.2

Manual Integrations
 APPROVED

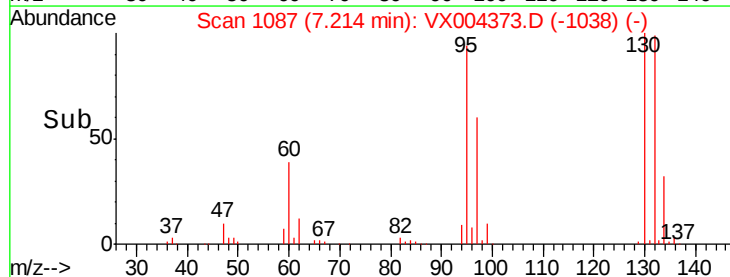
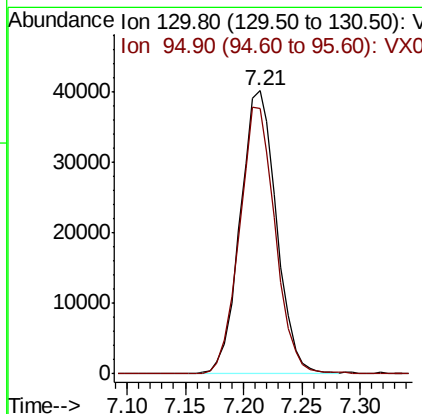
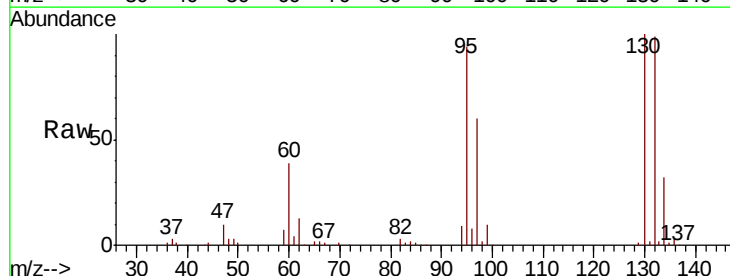
MMDadoda
 9/6/2018 12:48:46 PM

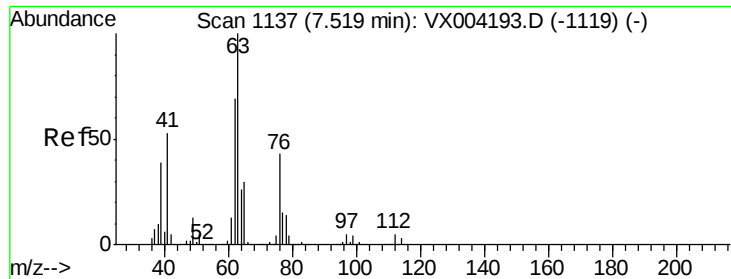


#44

Trichloroethene
 Concen: 19.10 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004373.D
 Acq: 05 Sep 2018 16:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	181.6





#45

1,2-Dichloropropane

Concen: 20.04 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0905WBSD01

Tot Ion: 63 Resp: 82467

Ion Ratio Lower Upper

63 100

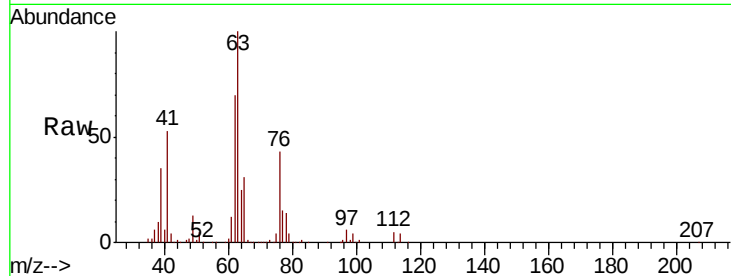
65 30.9 24.3 36.5

Manual Integrations

APPROVED

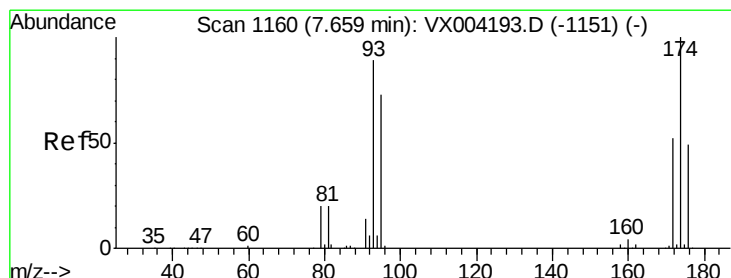
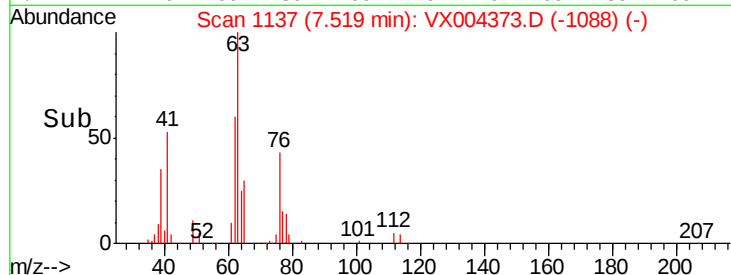
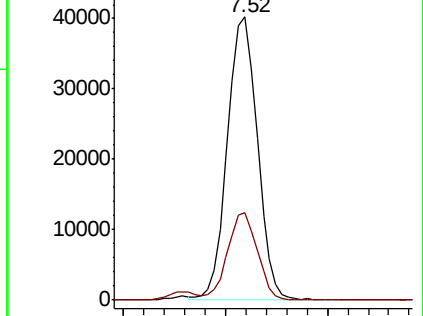
MMDadoda

9/6/2018 12:48:46 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.09 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

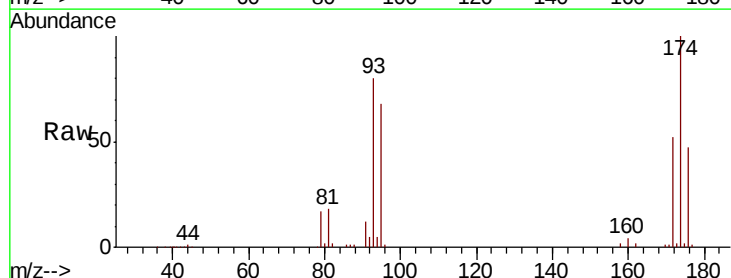
Tgt Ion: 93 Resp: 52291

Ion Ratio Lower Upper

93 100

95 81.5 65.5 98.3

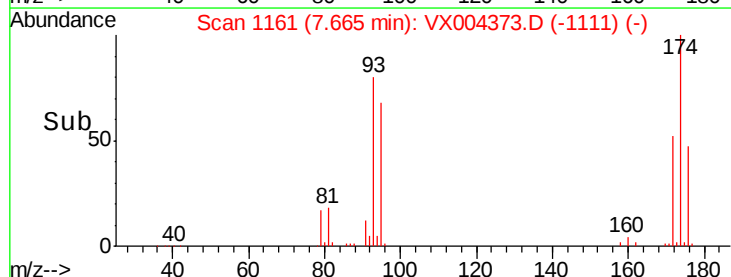
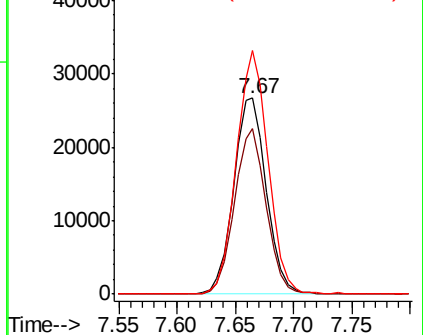
174 120.5 94.2 141.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.90 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Instrument :

MSVOA_X

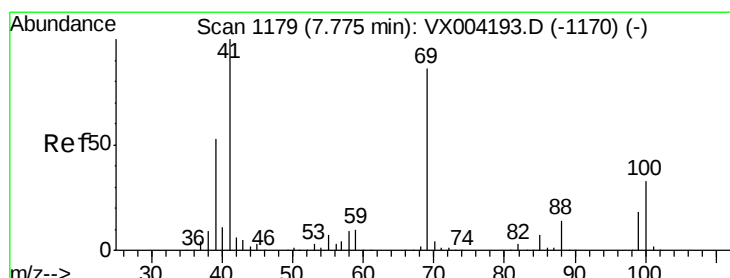
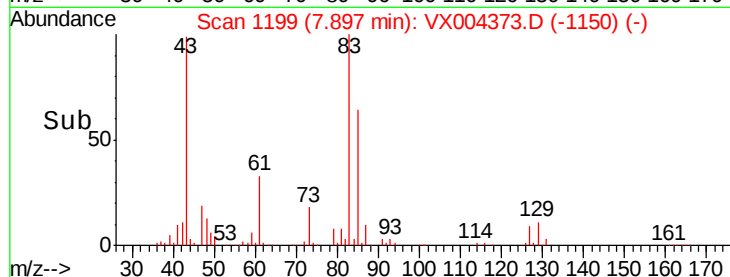
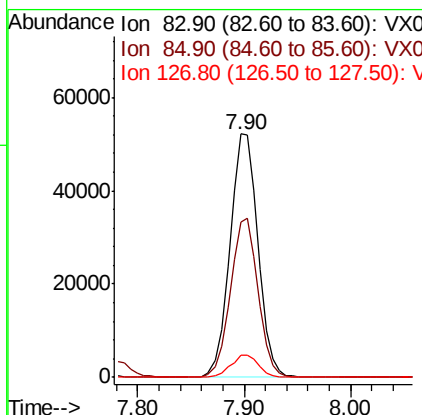
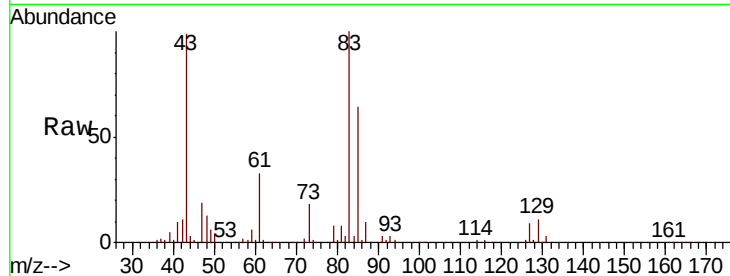
ClientSampled :

VX0905WBSD01

Tot Ion:	83	Resp:	96337
Ion Ratio	Lower	Upper	
83	100		
85	63.7	50.9	76.3
127	9.1	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
9/6/2018 12:48:46 PM



#48

Methyl methacrylate

Concen: 20.41 ug/l

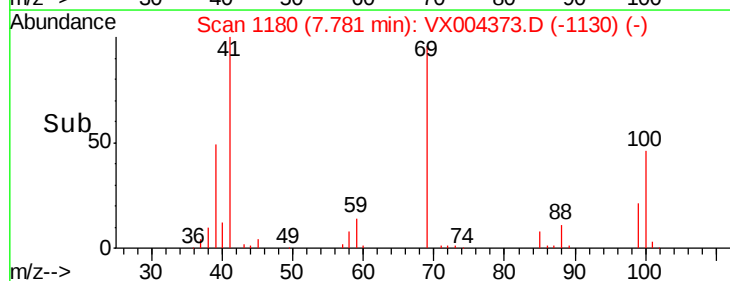
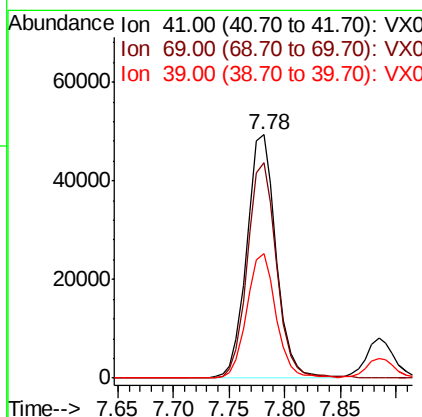
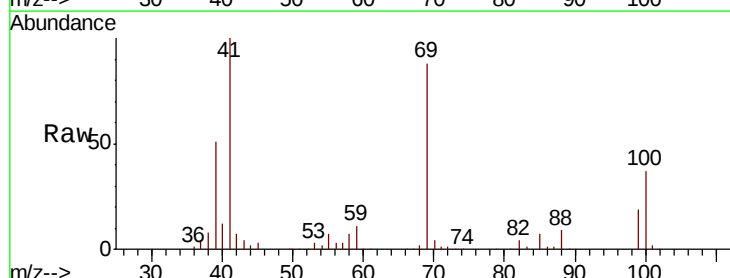
RT: 7.78 min Scan# 1180

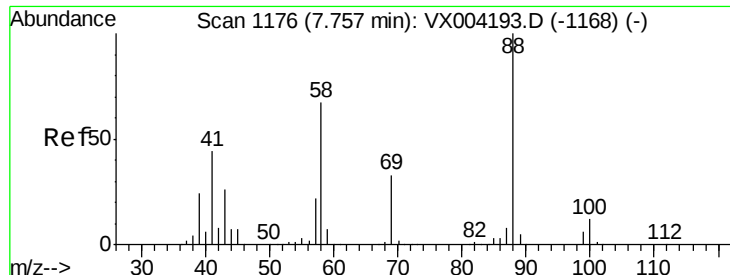
Delta R.T. 0.01 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Tgt Ion:	41	Resp:	90784
Ion Ratio	Lower	Upper	
41	100		
69	88.6	70.2	105.4
39	50.5	42.7	64.1





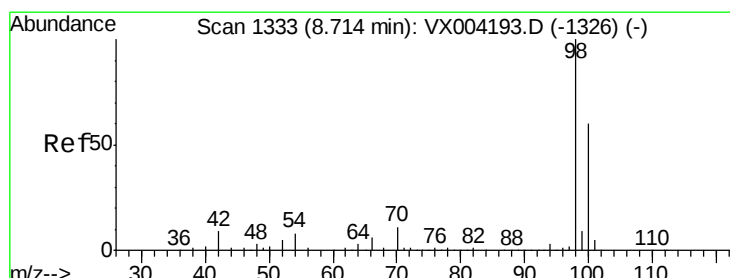
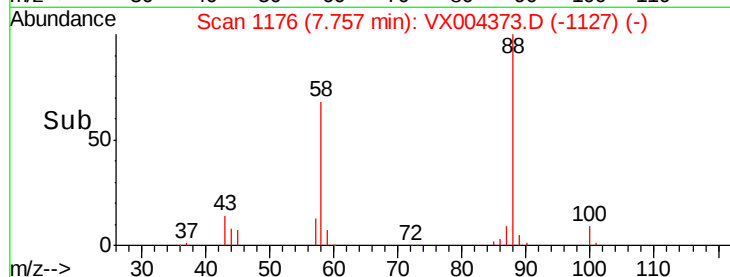
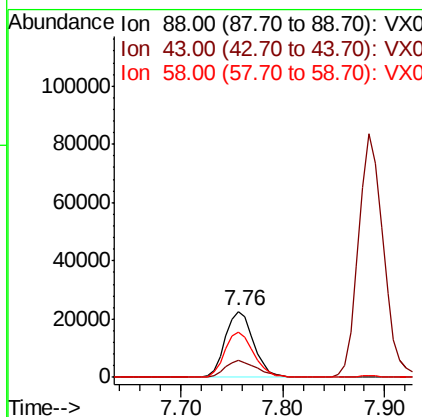
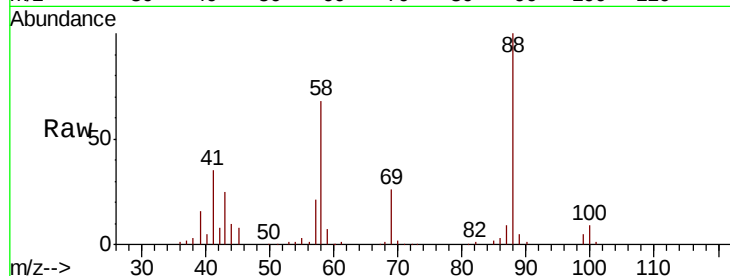
#49
1,4-Dioxane
Concen: 433.70 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0905WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.6	24.7	37.1
58	69.8	55.3	82.9

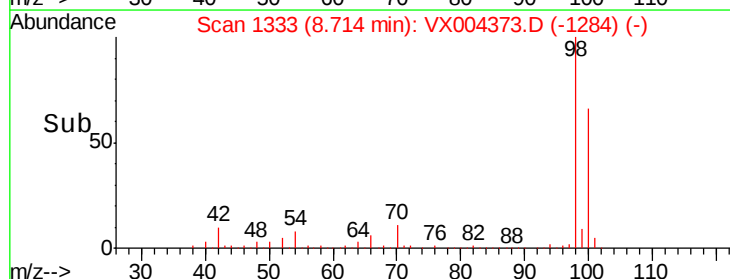
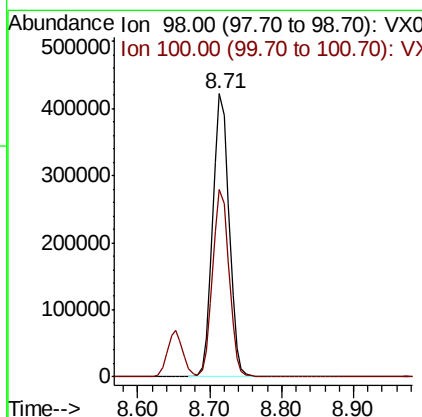
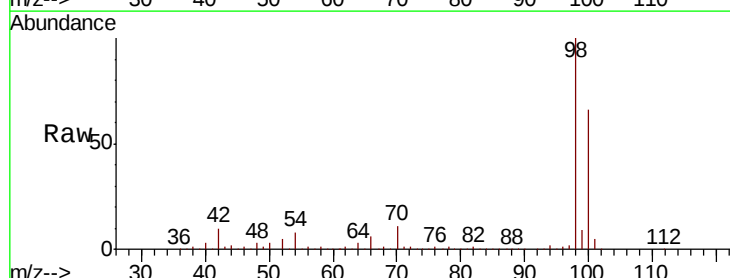
Manual Integrations
APPROVED

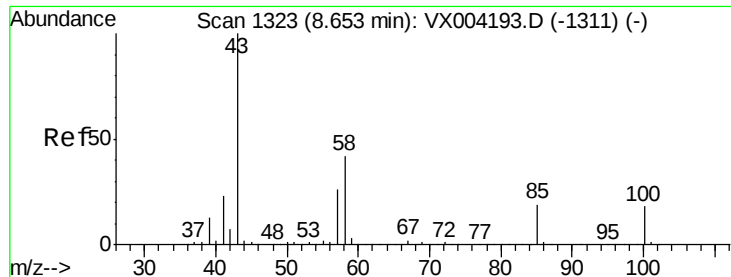
MMDadoda
9/6/2018 12:48:46 PM



#50
Toluene-d8
Concen: 48.34 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 99.43 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0905WBSD01

Tot Ion: 43 Resp: 600658

Ion Ratio Lower Upper

43 100

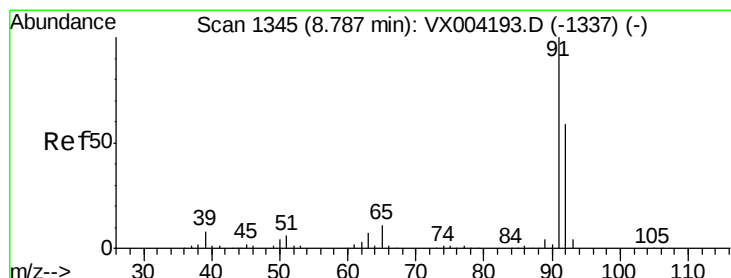
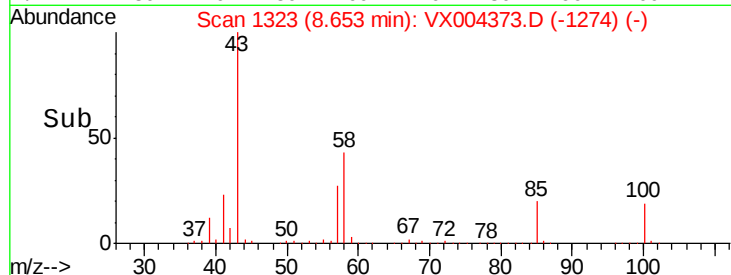
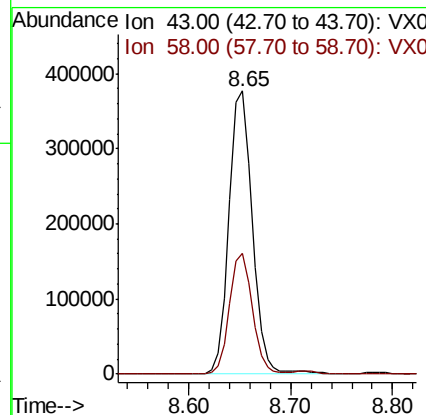
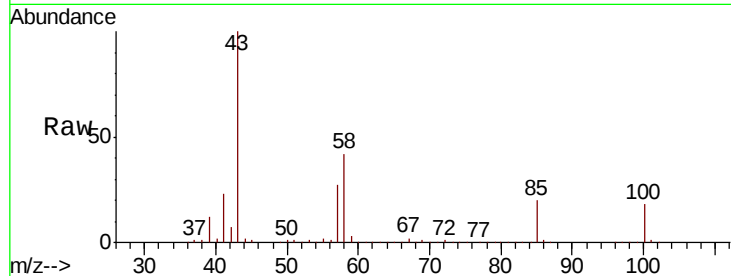
58 41.5 33.1 49.7

Manual Integrations

APPROVED

MMDadoda

9/6/2018 12:48:46 PM



#52

Toluene

Concen: 19.79 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004373.D

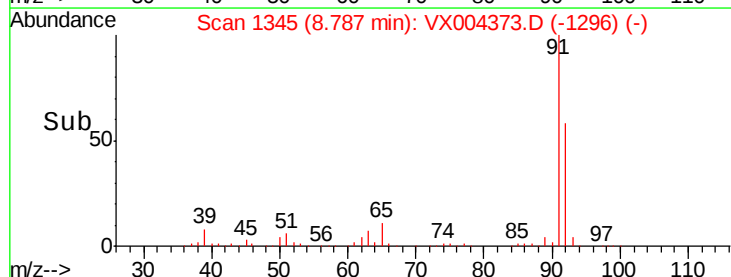
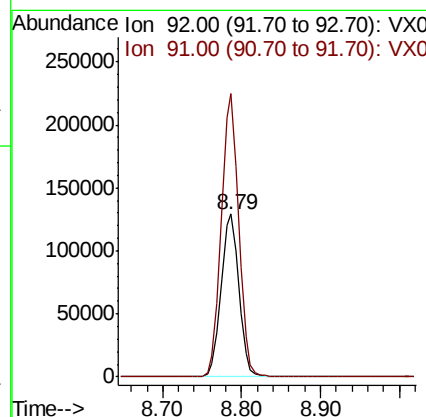
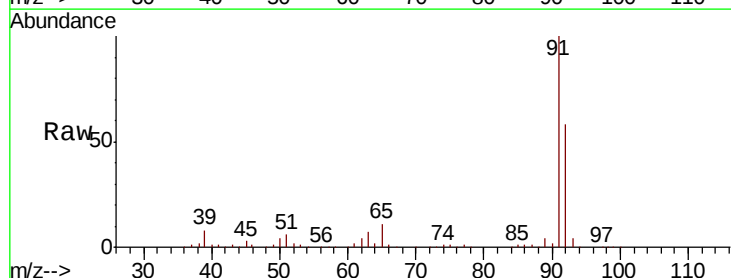
Acq: 05 Sep 2018 16:25

Tgt Ion: 92 Resp: 203676

Ion Ratio Lower Upper

92 100

91 170.5 136.4 204.6





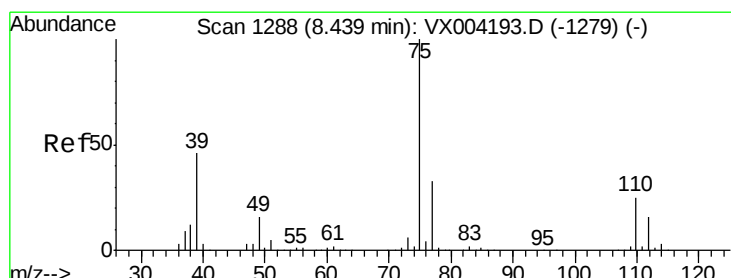
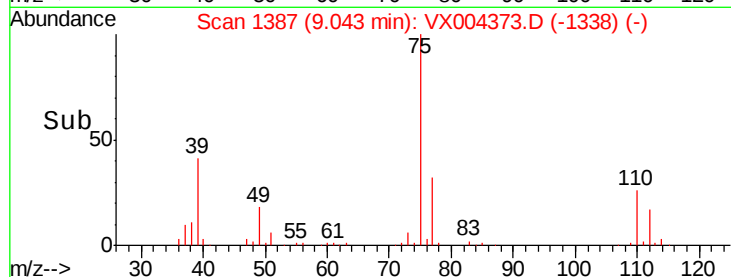
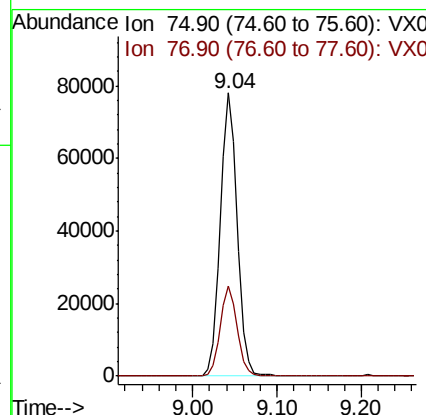
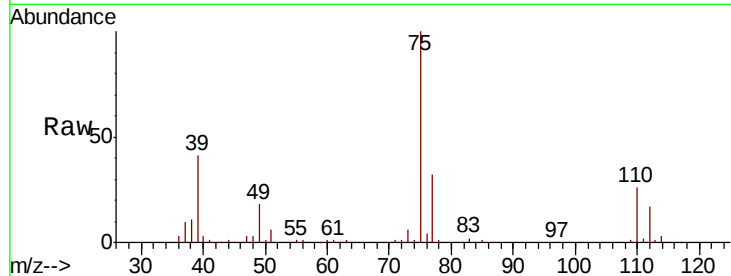
#53
 t-1,3-Dichloropropene
 Concen: 19.41 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX004373.D
 Acq: 05 Sep 2018 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905WBSD01

Tot Ion: 75 Resp: 109303
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.6 37.0

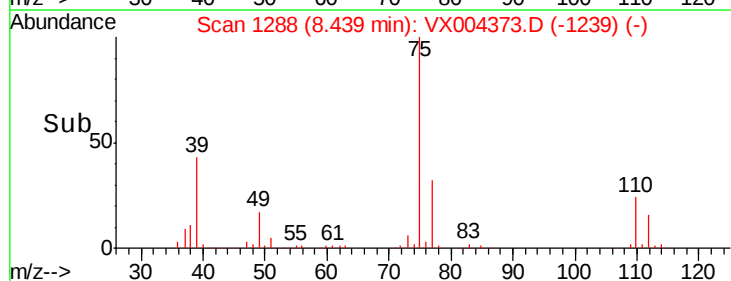
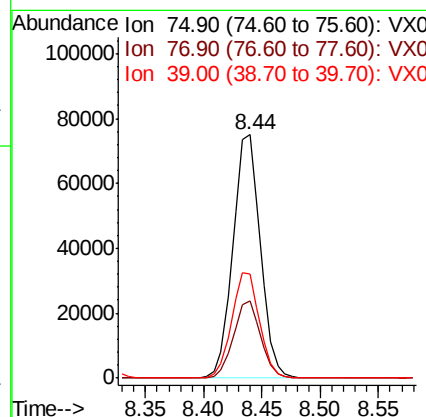
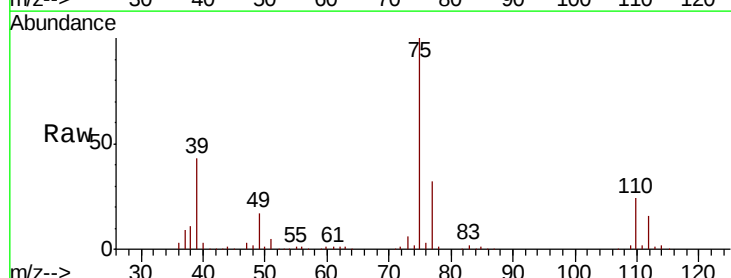
Manual Integrations
 APPROVED

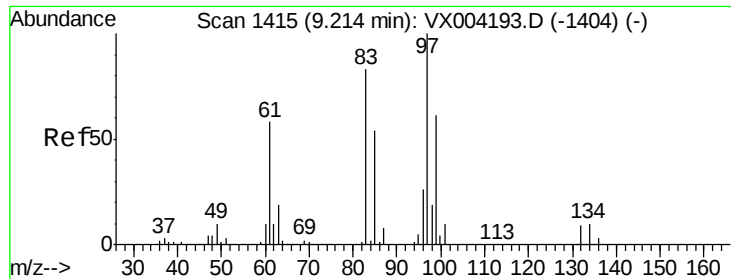
MMDadoda
 9/6/2018 12:48:46 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.01 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX004373.D
 Acq: 05 Sep 2018 16:25

Tgt Ion: 75 Resp: 122724
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.2 39.2
 39 42.5 36.4 54.6





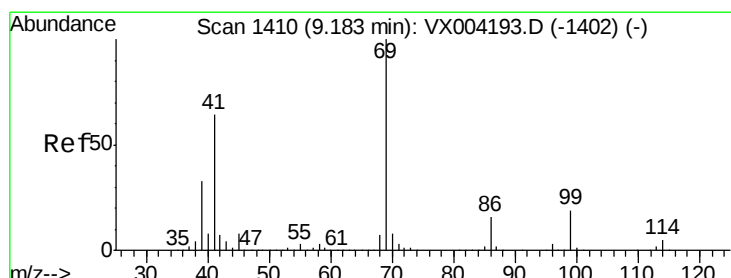
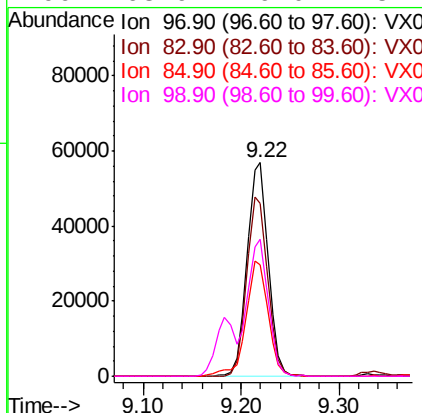
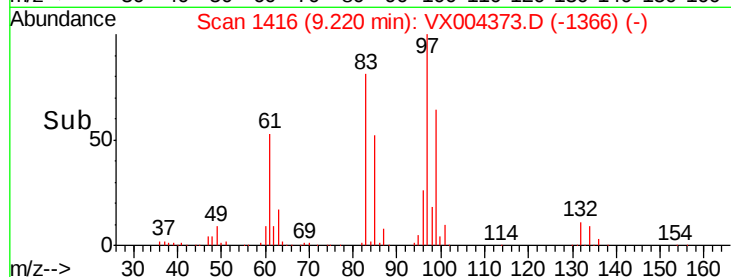
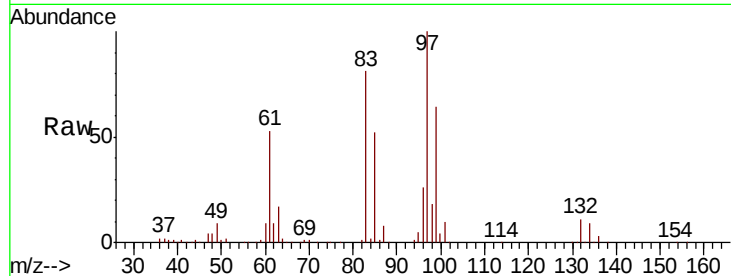
#55
 1,1,2-Trichloroethane
 Concen: 20.57 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VX004373.D
 Acq: 05 Sep 2018 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905WBSD01

Tot Ion:	97	Resp:	85448
Ion	Ratio	Lower	Upper
97	100		
83	81.0	66.4	99.6
85	52.3	43.3	64.9
99	63.9	49.0	73.4

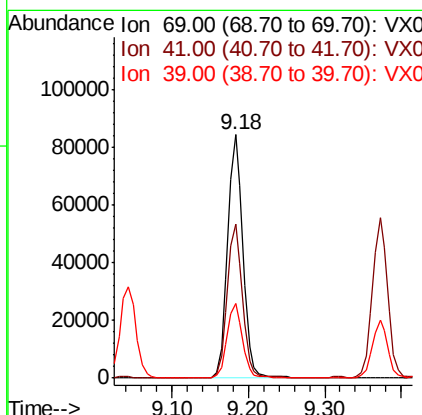
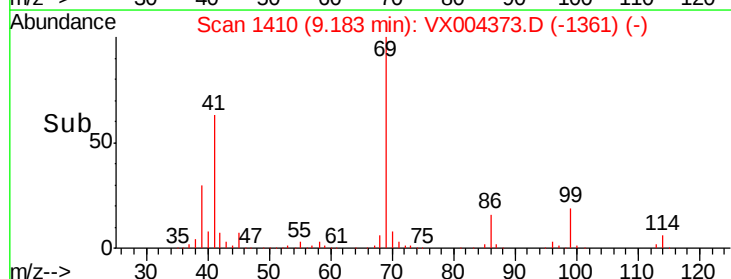
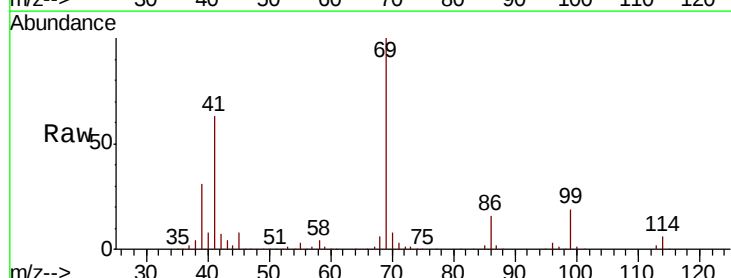
Manual Integrations
 APPROVED

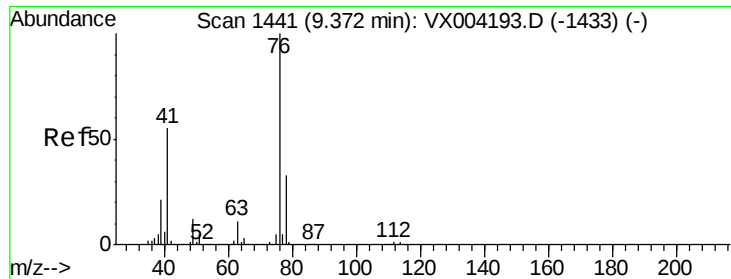
MMDadoda
 9/6/2018 12:48:46 PM



#56
 Ethyl methacrylate
 Concen: 20.78 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004373.D
 Acq: 05 Sep 2018 16:25

Tgt Ion:	69	Resp:	117528
Ion	Ratio	Lower	Upper
69	100		
41	62.7	51.0	76.4
39	30.7	26.1	39.1





#57

1,3-Dichloropropane

Concen: 20.18 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0905WBSD01

Tot Ion: 76 Resp: 141280

Ion Ratio Lower Upper

76 100

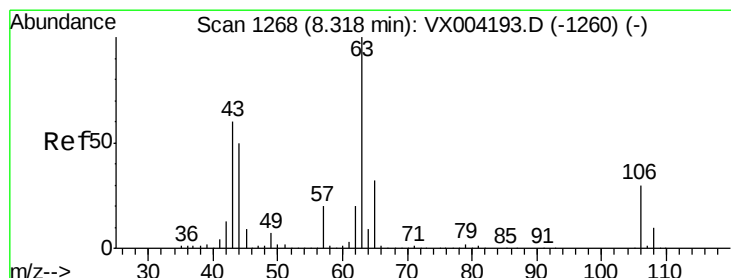
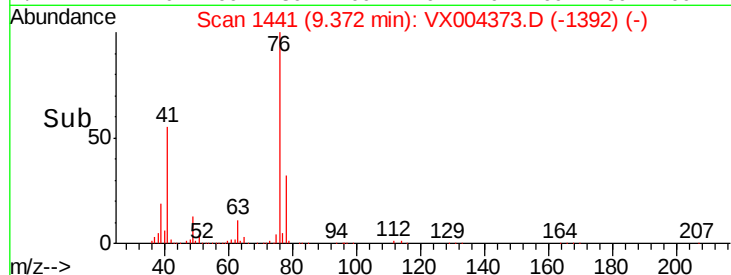
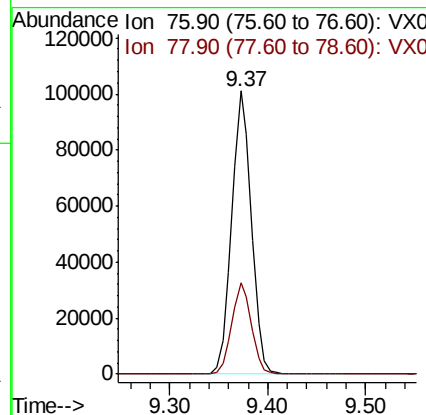
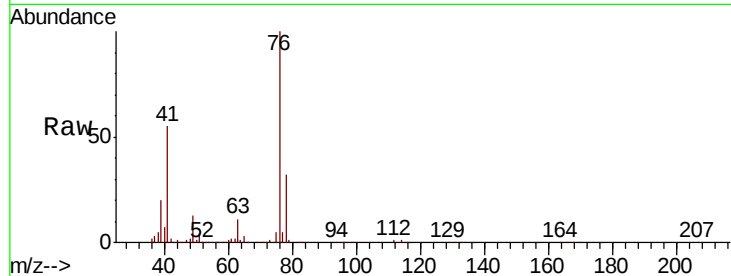
78 32.4 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

9/6/2018 12:48:46 PM



#58

2-Chloroethyl Vinyl ether

Concen: 99.41 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX004373.D

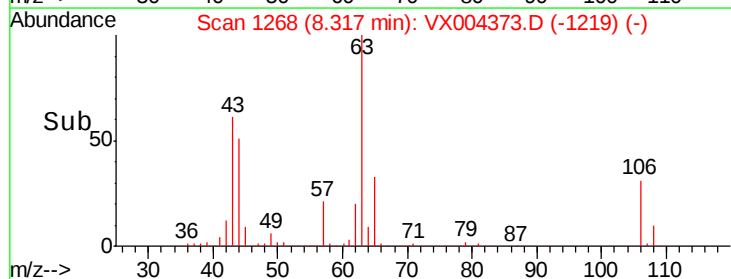
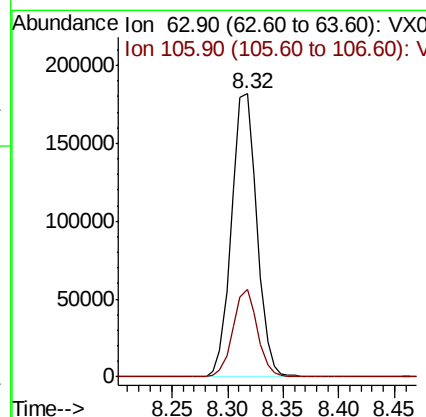
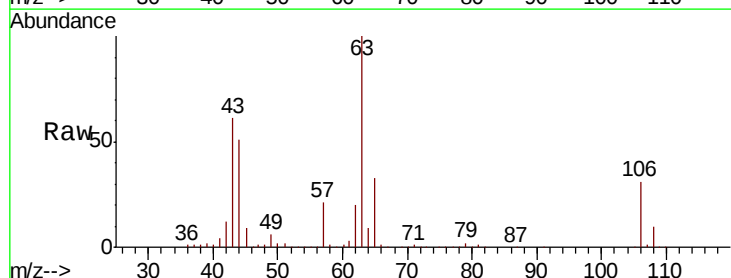
Acq: 05 Sep 2018 16:25

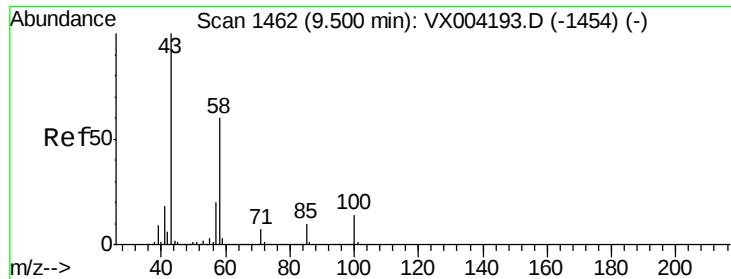
Tgt Ion: 63 Resp: 288018

Ion Ratio Lower Upper

63 100

106 29.6 23.9 35.9





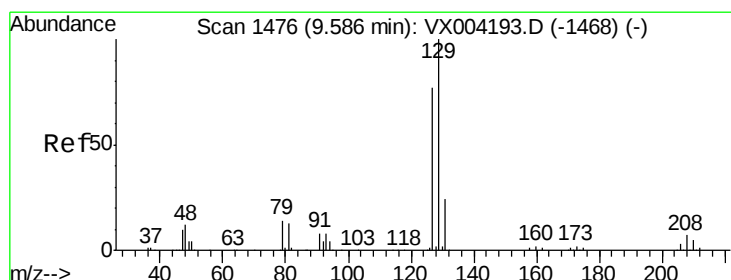
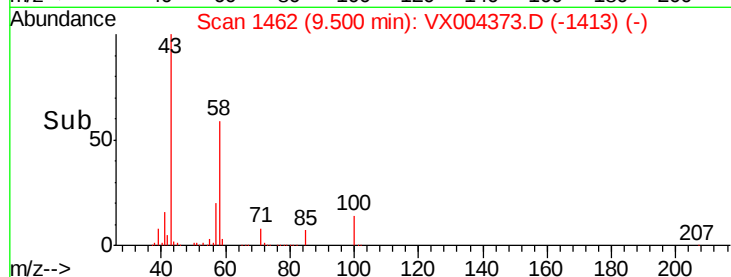
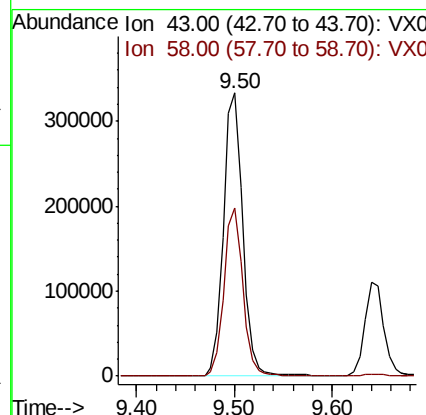
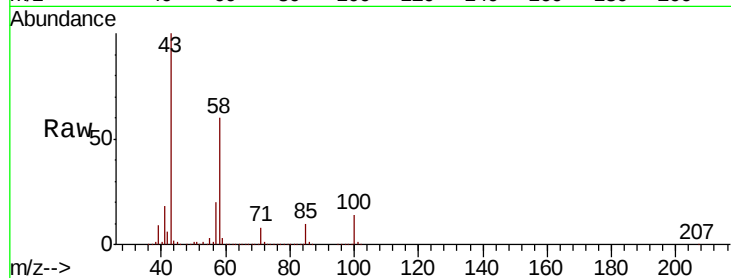
#59
2-Hexanone
Concen: 99.35 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Instrument :
MSVOA_X
ClientSampled :
VX0905WBSD01

Tot Ion: 43 Resp: 457839
Ion Ratio Lower Upper
43 100
58 58.2 29.0 87.0

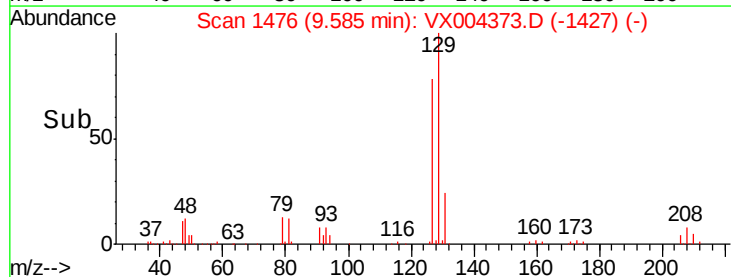
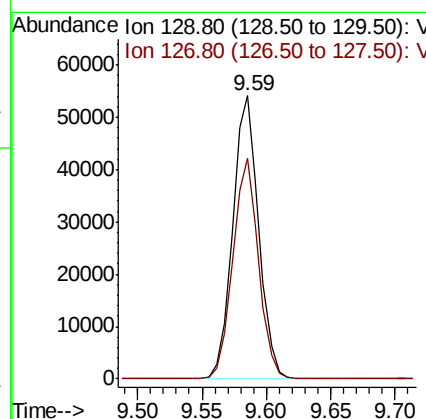
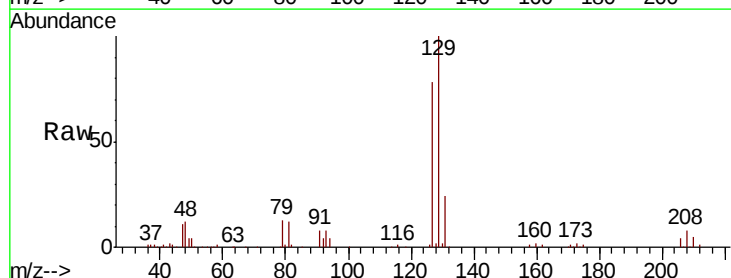
Manual Integrations
APPROVED

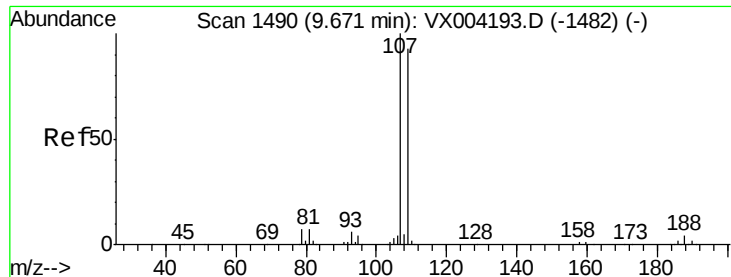
MMDadoda
9/6/2018 12:48:46 PM



#60
Dibromochloromethane
Concen: 18.80 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Tgt Ion: 129 Resp: 76094
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.88 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0905WBSD01

Tot Ion:107 Resp: 85471

Ion Ratio Lower Upper

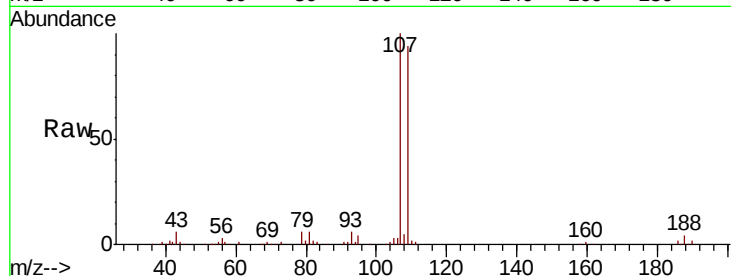
107 100

109 94.2 76.0 114.0

Manual Integrations
APPROVED

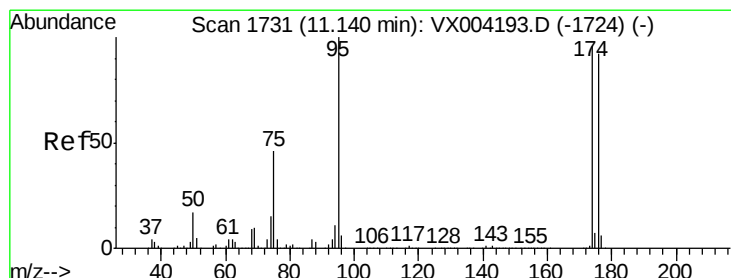
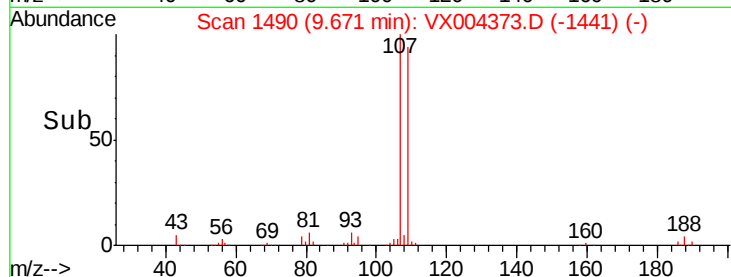
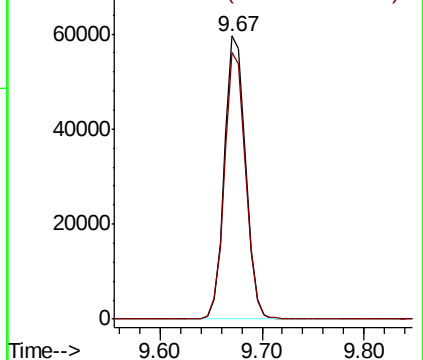
MMDadoda

9/6/2018 12:48:46 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.32 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

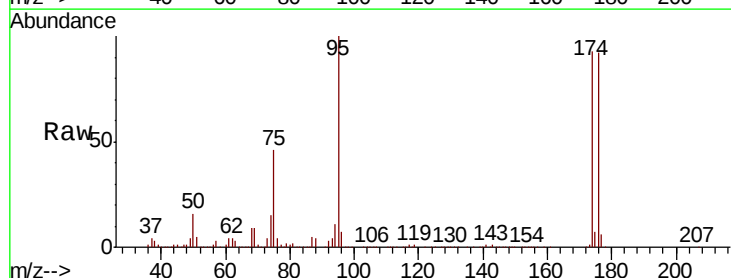
Tgt Ion: 95 Resp: 252897

Ion Ratio Lower Upper

95 100

174 90.2 0.0 185.2

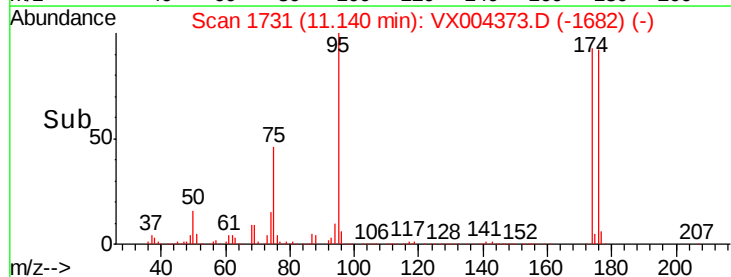
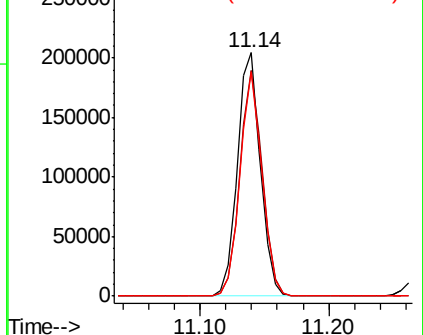
176 88.1 0.0 178.6

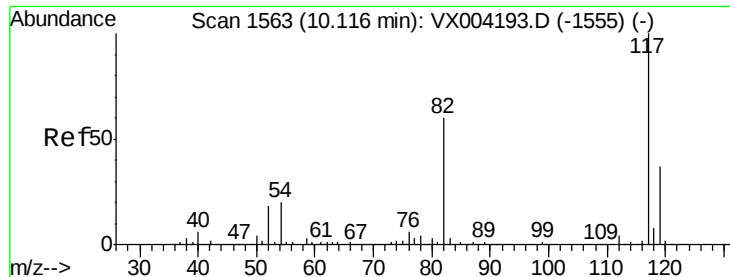


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





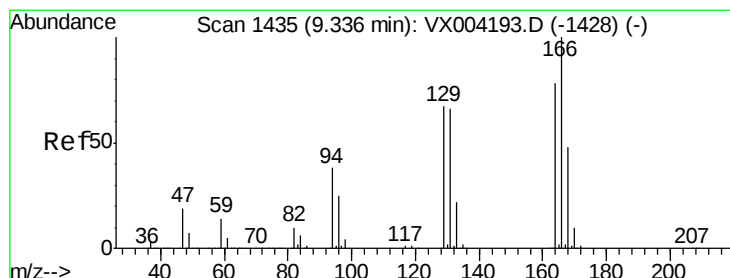
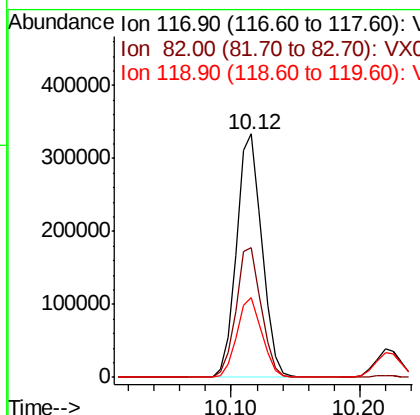
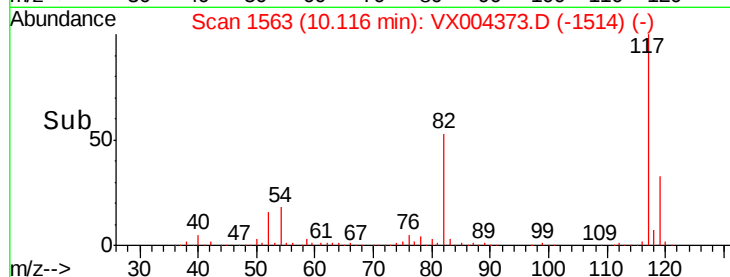
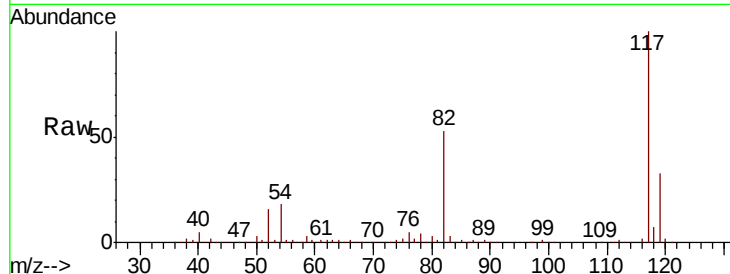
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0905WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	47.8	71.6
119	32.6	29.3	43.9

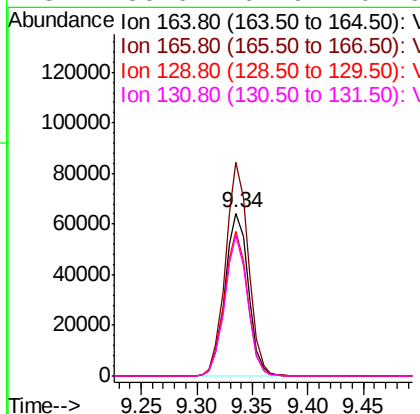
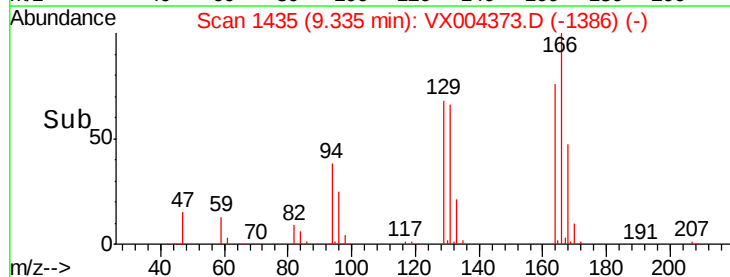
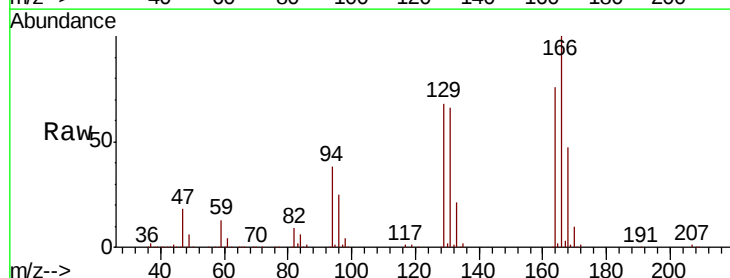
Manual Integrations
APPROVED

MMDadoda
9/6/2018 12:48:46 PM



#64
Tetrachloroethene
Concen: 20.71 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.4	102.8	154.2
129	88.7	69.4	104.0
131	86.6	67.9	101.9





#65

Chlorobenzene

Concen: 19.62 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Instrument :

MSVOA_X

ClientSampled :

VX0905WBSD01

Tot Ion:112 Resp: 225042

Ion Ratio Lower Upper

112 100

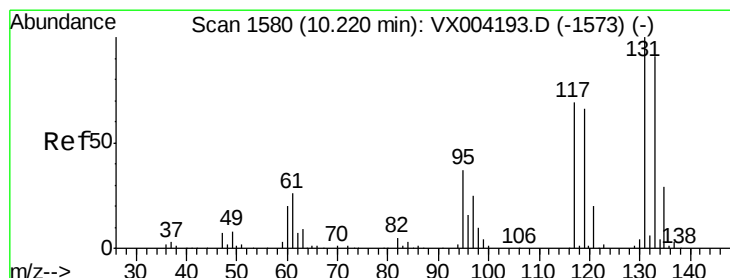
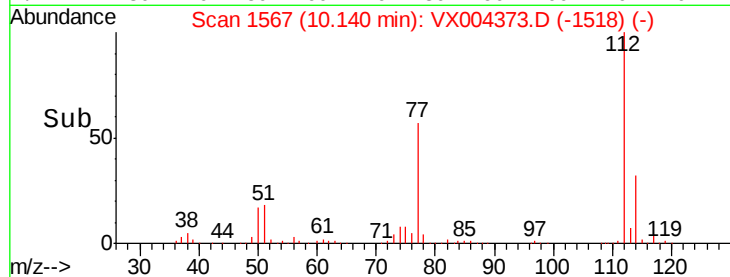
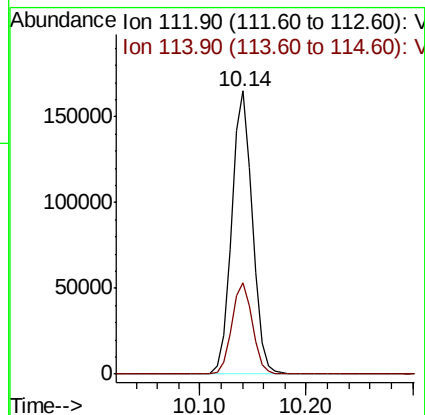
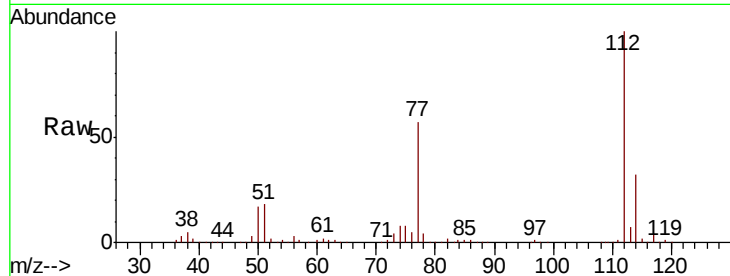
114 32.4 27.8 41.8

Manual Integrations

APPROVED

MMDadoda

9/6/2018 12:48:46 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 19.77 ug/l

RT: 10.22 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

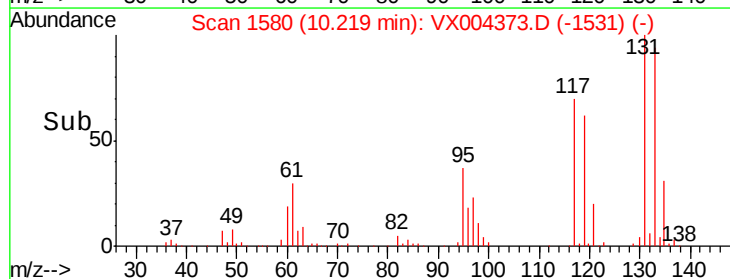
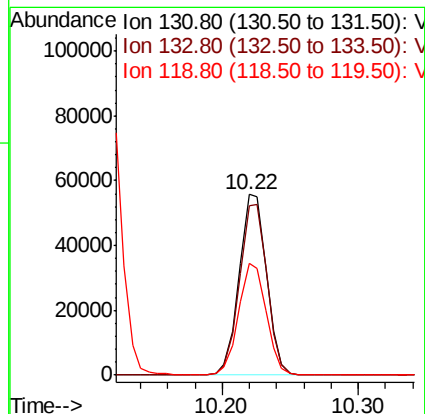
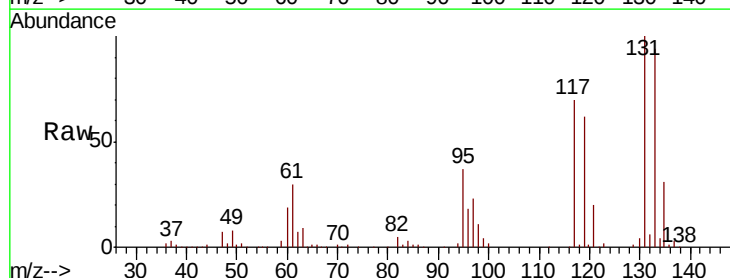
Tgt Ion:131 Resp: 78218

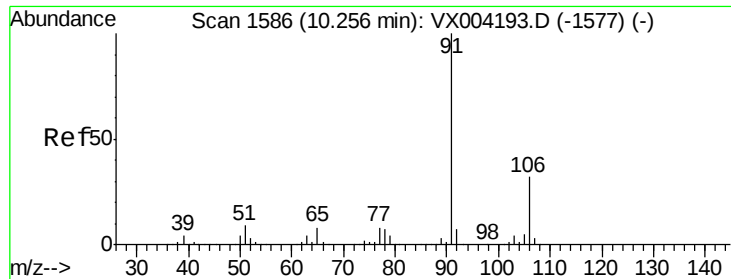
Ion Ratio Lower Upper

131 100

133 94.6 48.1 144.4

119 62.3 32.9 98.6





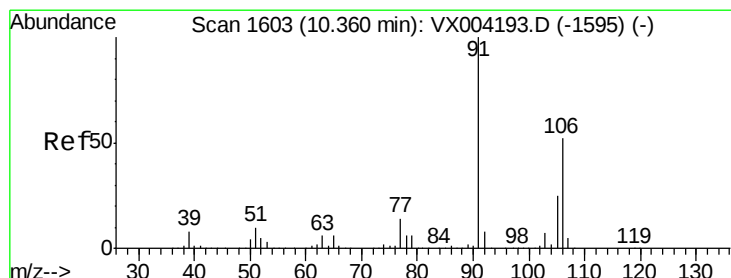
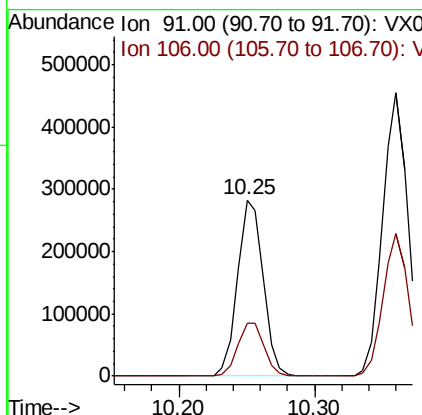
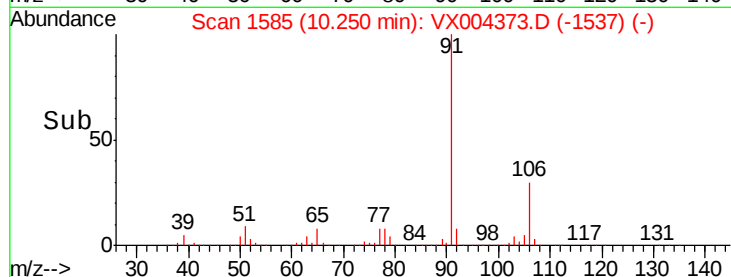
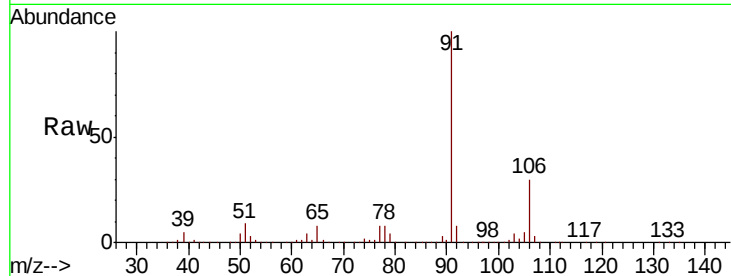
#67
Ethyl Benzene
Concen: 19.91 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0905WBSD01

Tot Ion: 91 Resp: 370891
Ion Ratio Lower Upper
91 100
106 30.2 25.9 38.9

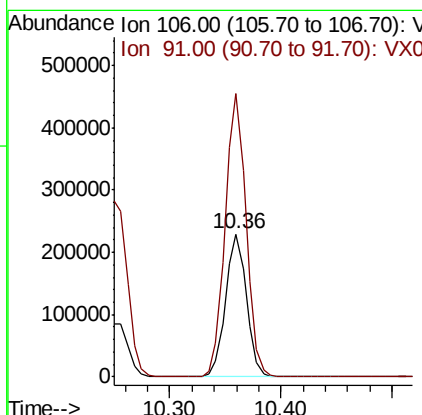
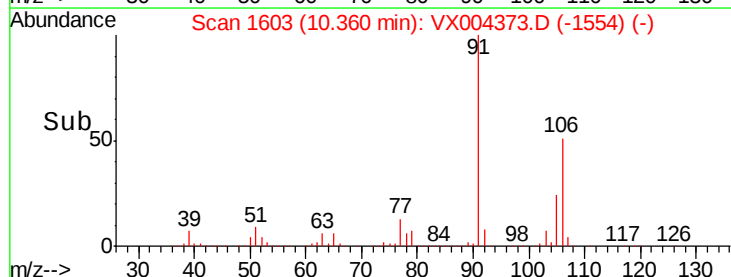
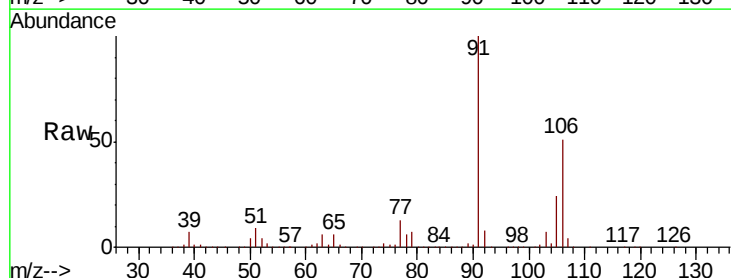
Manual Integrations
APPROVED

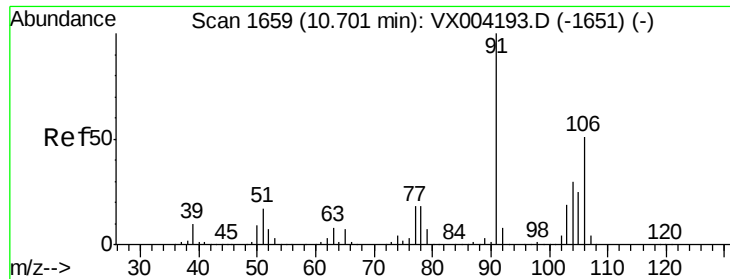
MMDadoda
9/6/2018 12:48:46 PM



#68
m/p-Xylenes
Concen: 40.92 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Tgt Ion: 106 Resp: 298088
Ion Ratio Lower Upper
106 100
91 198.6 157.1 235.7





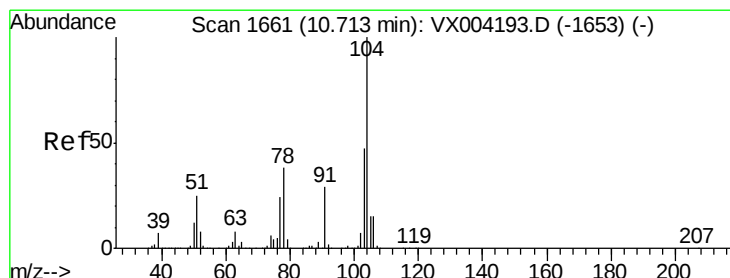
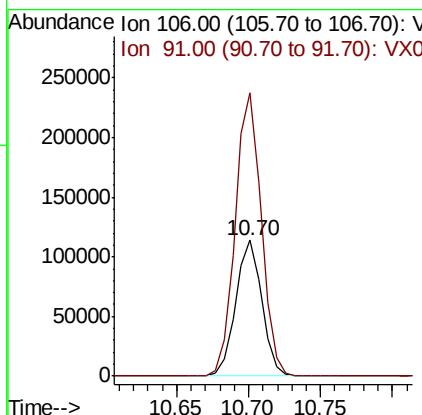
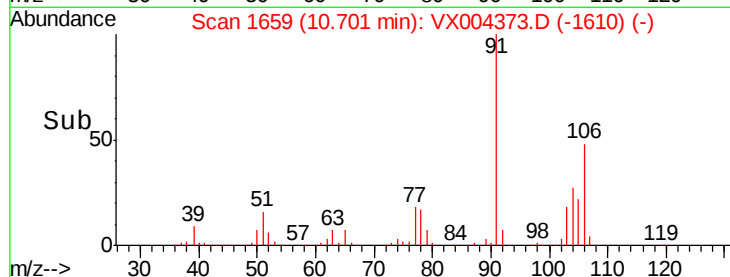
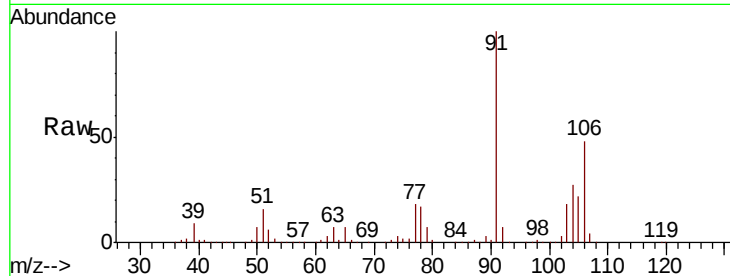
#69
o-Xylene
Concen: 20.97 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Instrument :
MSVOA_X
ClientSampled :
VX0905WBSD01

Tot Ion:106 Resp: 144485
Ion Ratio Lower Upper
106 100
91 208.5 105.1 315.1

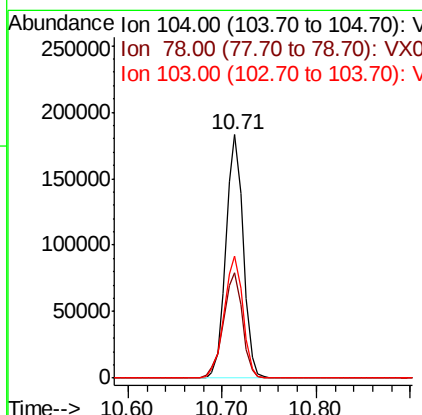
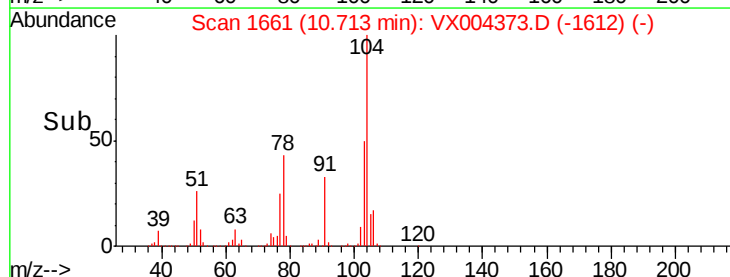
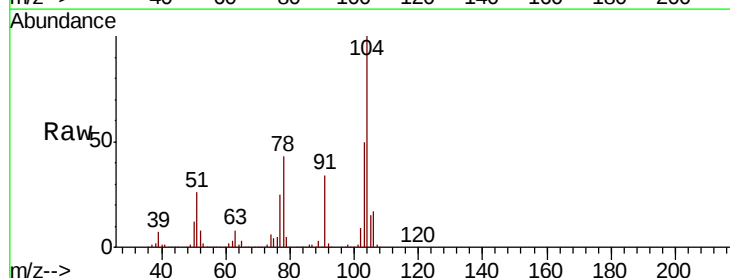
Manual Integrations
APPROVED

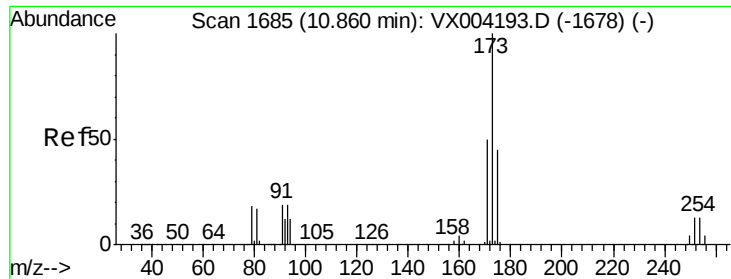
MMDadoda
9/6/2018 12:48:46 PM



#70
Styrene
Concen: 21.07 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Tgt Ion:104 Resp: 235039
Ion Ratio Lower Upper
104 100
78 47.6 37.4 56.0
103 54.5 43.8 65.6





#71

Bromoform

Concen: 18.20 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0905WBSD01

Tot Ion:173 Resp: 58047

Ion Ratio Lower Upper

173 100

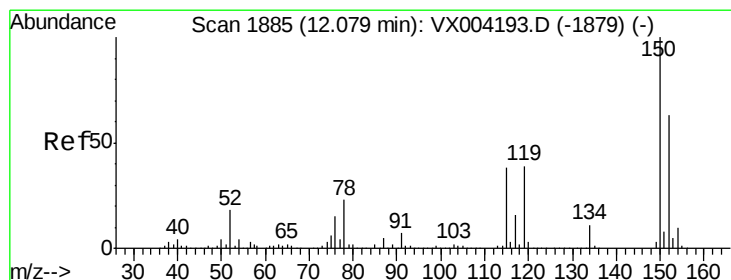
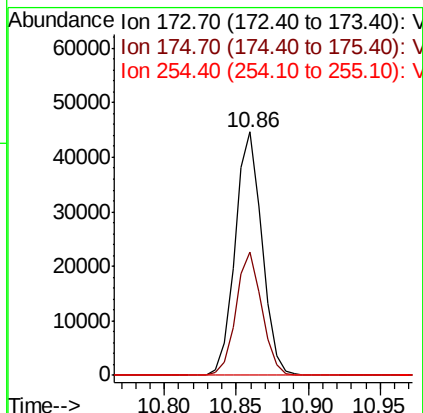
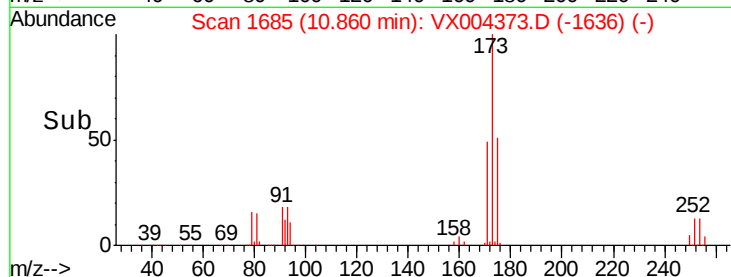
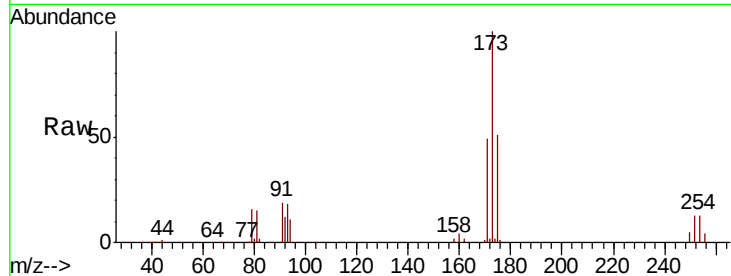
175 48.7 24.1 72.3

254 0.1 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda

9/6/2018 12:48:46 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

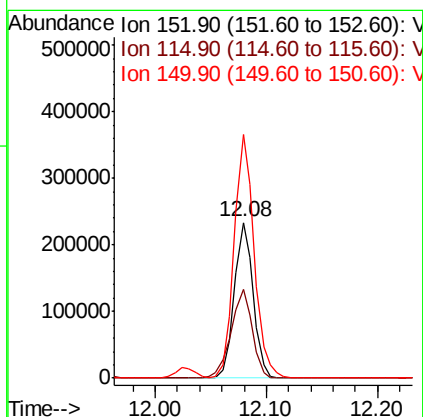
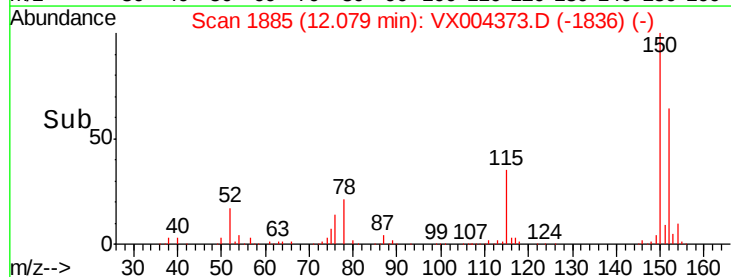
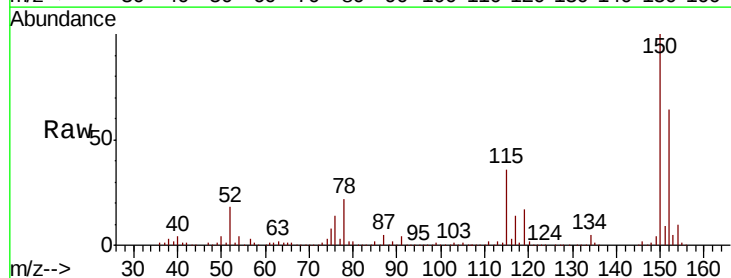
Tgt Ion:152 Resp: 272665

Ion Ratio Lower Upper

152 100

115 64.1 39.0 117.0

150 165.7 0.0 351.0





#73

Isopropylbenzene

Concen: 21.94 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Instrument :

MSVOA_X

ClientSampled :

VX0905WBSD01

Tot Ion:105 Resp: 392934

Ion Ratio Lower Upper

105 100

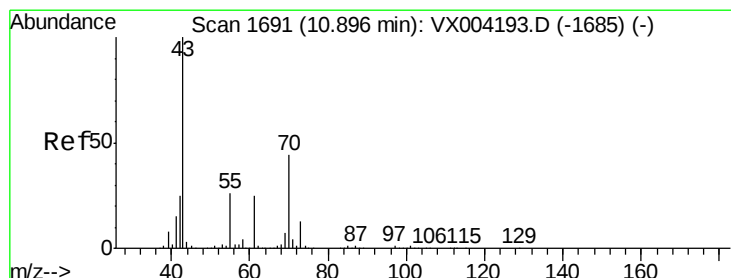
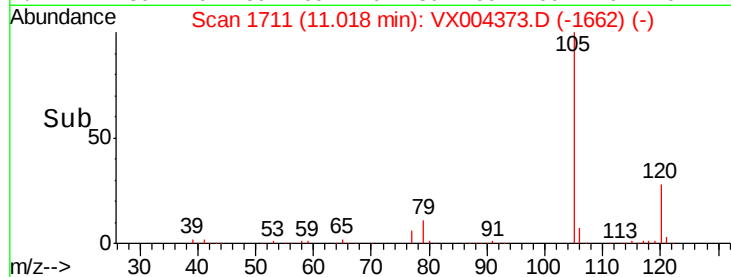
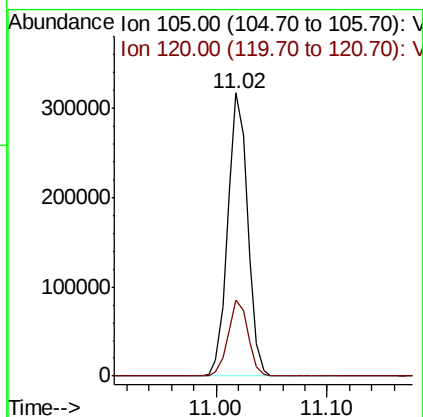
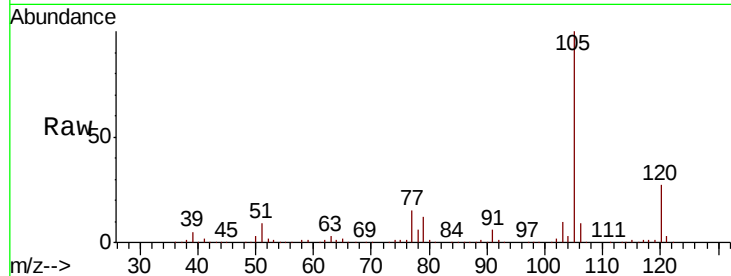
120 26.8 13.5 40.4

Manual Integrations

APPROVED

MMDadoda

9/6/2018 12:48:46 PM



#74

N-ethyl acetate

Concen: 20.78 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Tgt Ion: 43 Resp: 143259

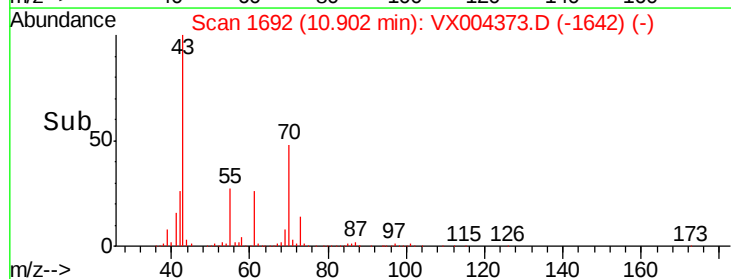
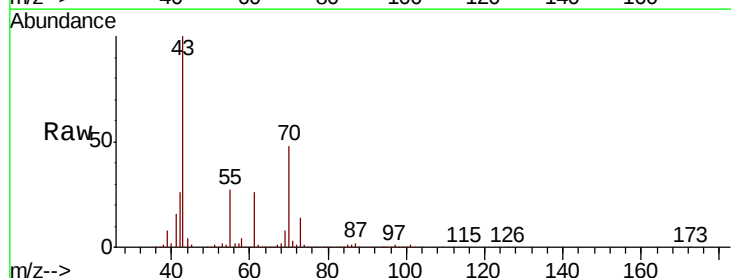
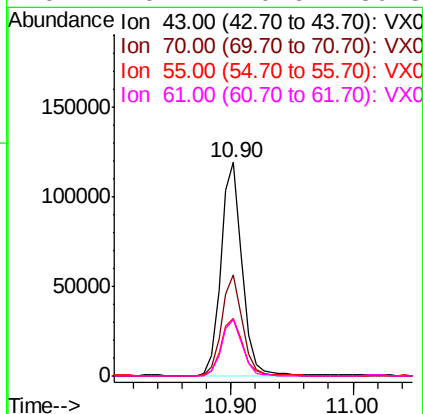
Ion Ratio Lower Upper

43 100

70 46.8 37.4 56.0

55 28.4 21.8 32.8

61 26.1 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.38 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Instrument :

MSVOA_X

ClientSampled :

VX0905WBSD01

Tot Ion: 83 Resp: 127722

Ion Ratio Lower Upper

83 100

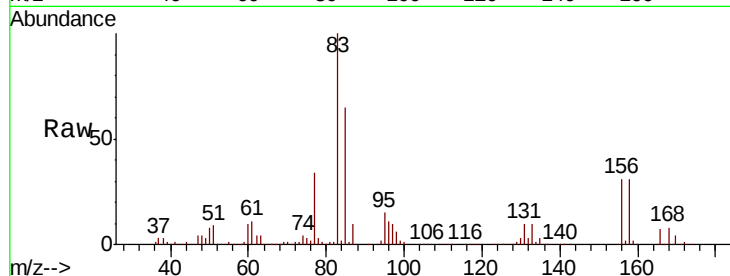
131 10.3 5.2 15.6

85 63.5 32.3 96.8

Manual Integrations
APPROVED

MMDadoda

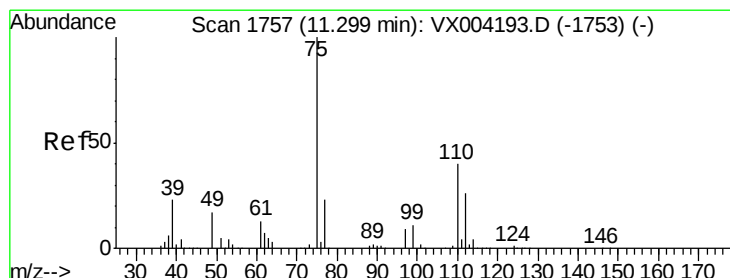
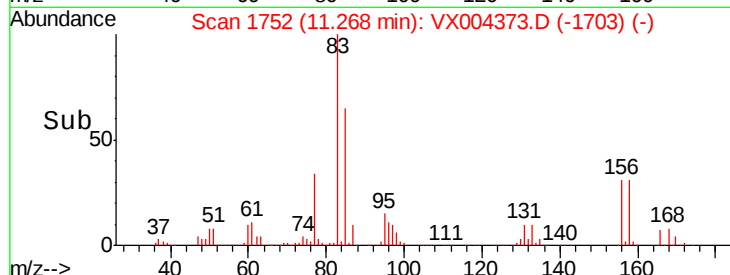
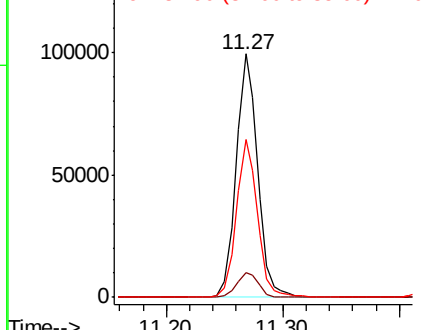
9/6/2018 12:48:46 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.91 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004373.D

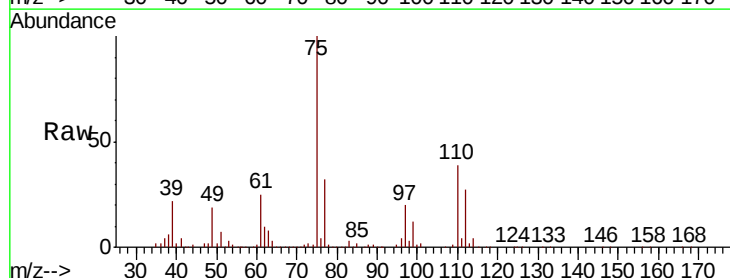
Acq: 05 Sep 2018 16:25

Tgt Ion: 75 Resp: 115970

Ion Ratio Lower Upper

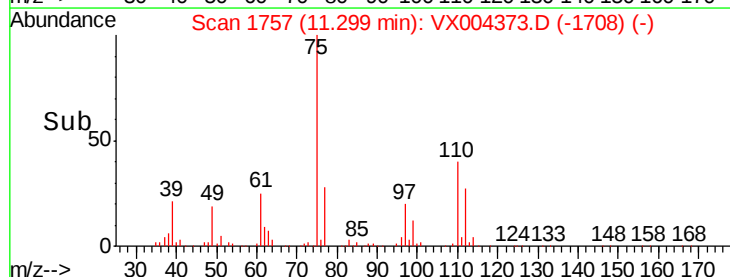
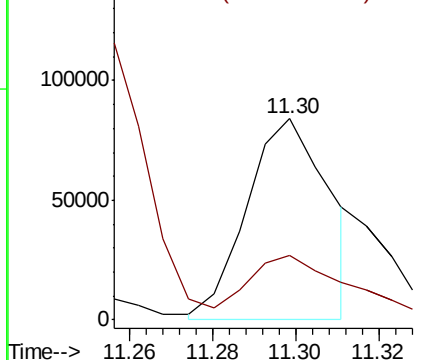
75 100

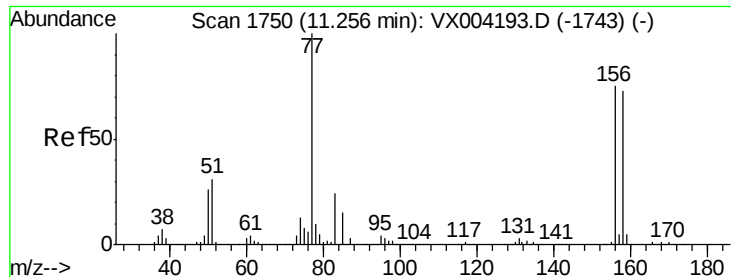
77 39.5 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.55 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Instrument :

MSVOA_X

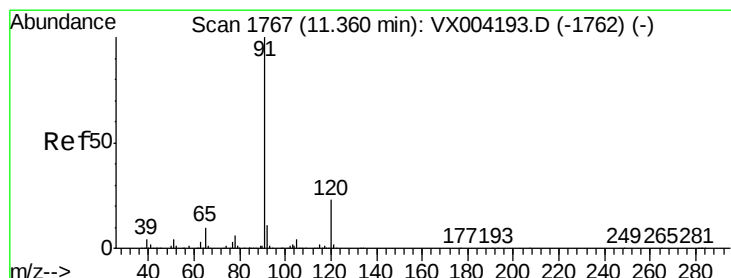
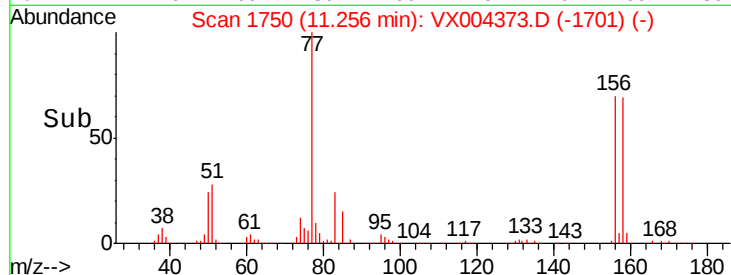
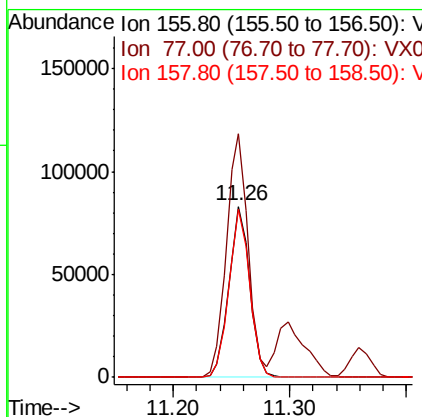
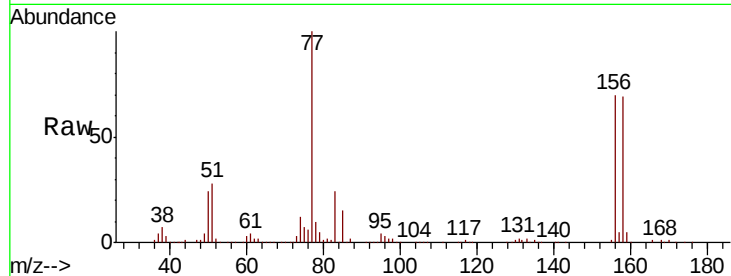
ClientSampleId :

VX0905WBSD01

Tot Ion:	156	Resp:	103253
Ion Ratio	Lower	Upper	
156	100		
77	146.8	71.5	214.3
158	98.4	48.9	146.8

Manual Integrations
APPROVED

MMDadoda
9/6/2018 12:48:46 PM



#78

n-propylbenzene

Concen: 21.76 ug/l

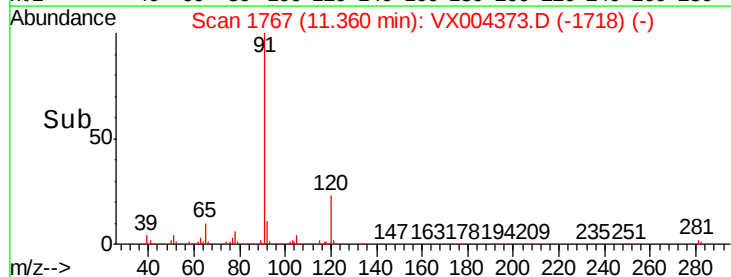
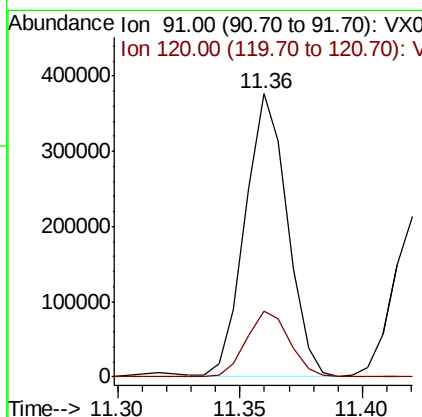
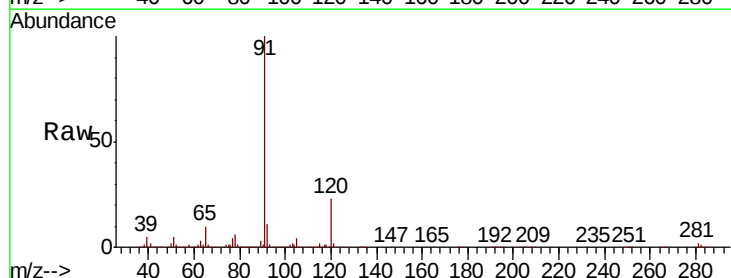
RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Tgt Ion:	91	Resp:	448185
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.9	35.9





#79

2-Chlorotoluene

Concen: 21.00 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0905WBSD01

Tot Ion: 91 Resp: 266258

Ion Ratio Lower Upper

91 100

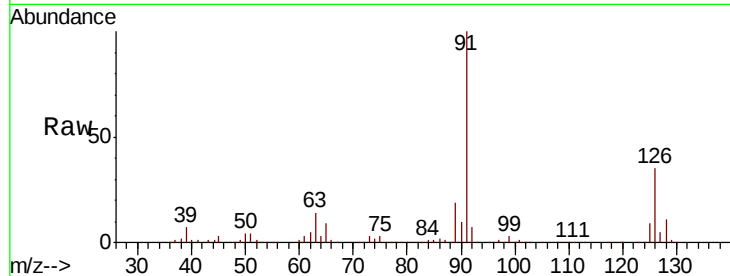
126 35.4 17.9 53.7

Manual Integrations

APPROVED

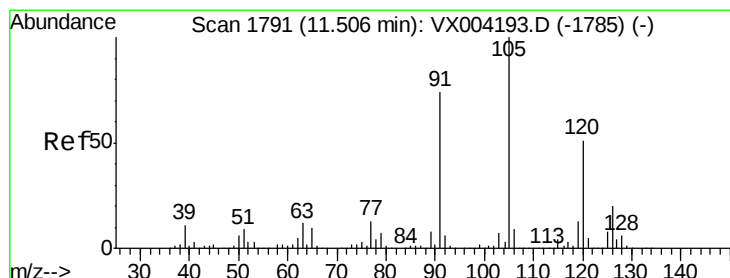
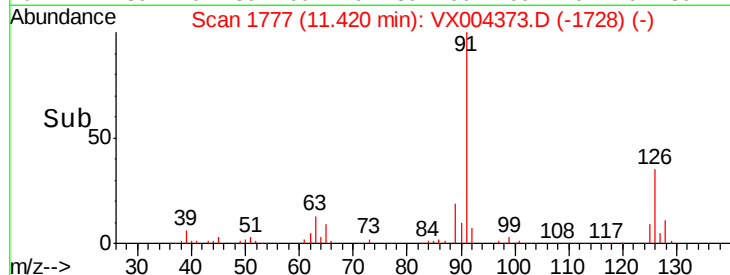
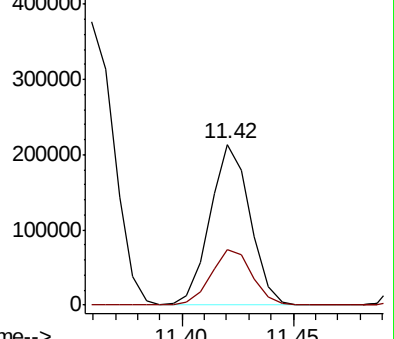
MMDadoda

9/6/2018 12:48:46 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.73 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004373.D

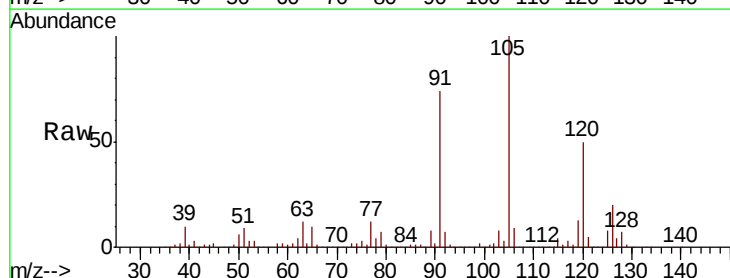
Acq: 05 Sep 2018 16:25

Tgt Ion:105 Resp: 322252

Ion Ratio Lower Upper

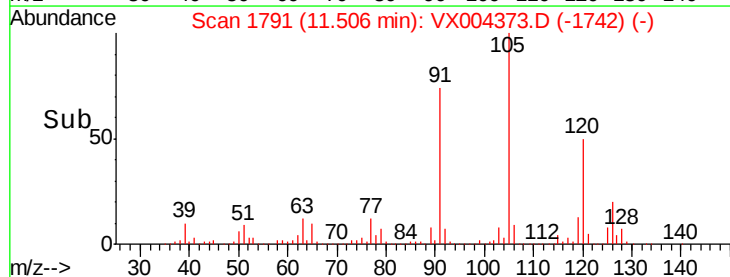
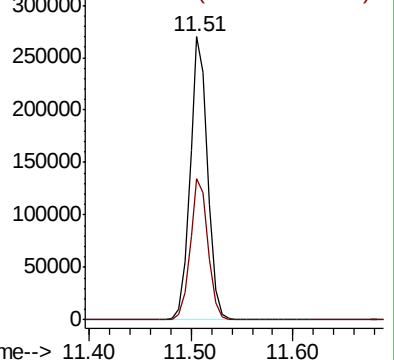
105 100

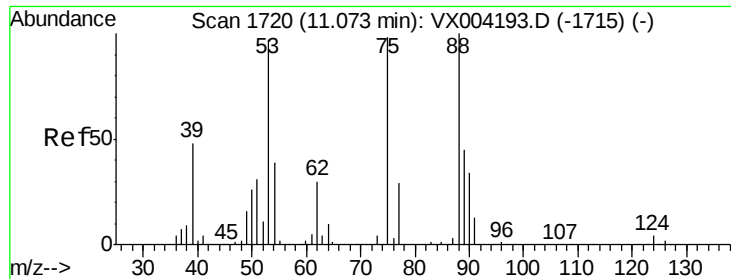
120 50.8 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.08 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0905WBSD01

Tot Ion: 75 Resp: 32603

Ion Ratio Lower Upper

75 100

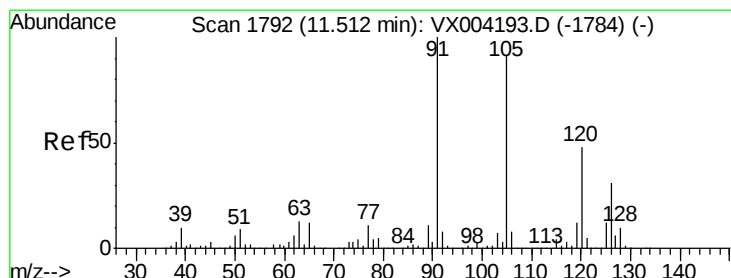
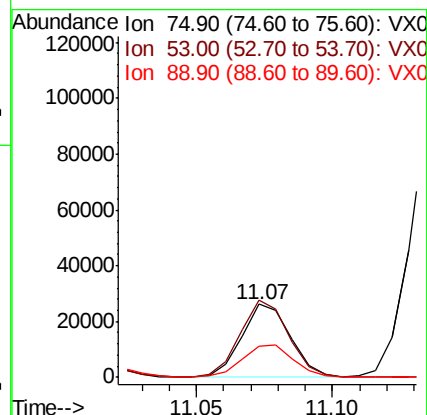
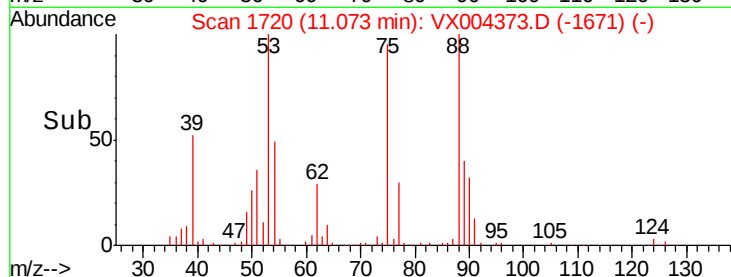
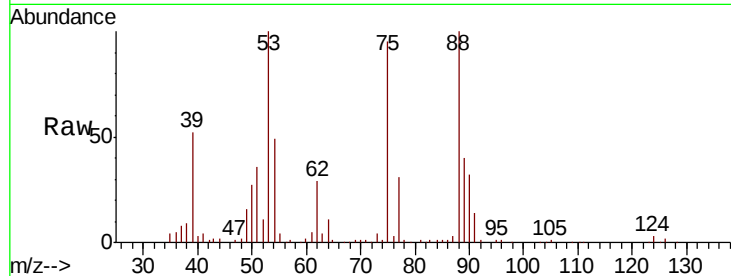
53 104.5 80.1 120.1

89 46.0 37.2 55.8

Manual Integrations
APPROVED

MMDadoda

9/6/2018 12:48:46 PM



#82

4-Chlorotoluene

Concen: 20.91 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004373.D

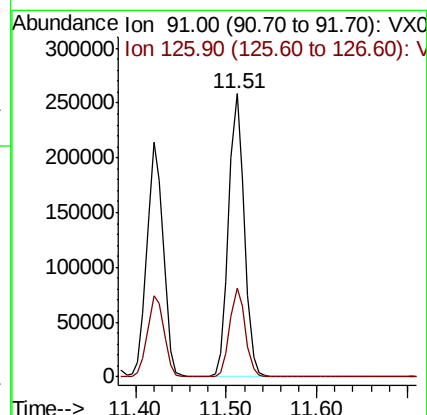
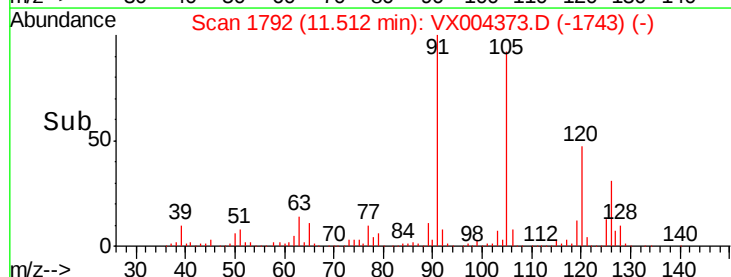
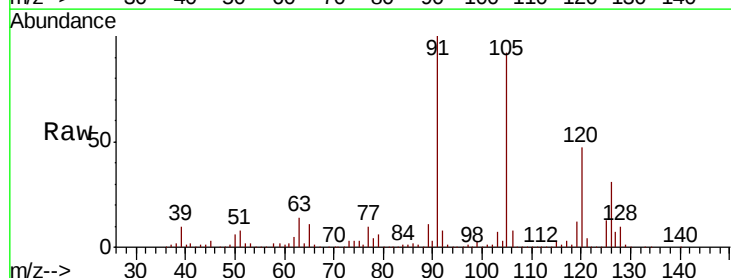
Acq: 05 Sep 2018 16:25

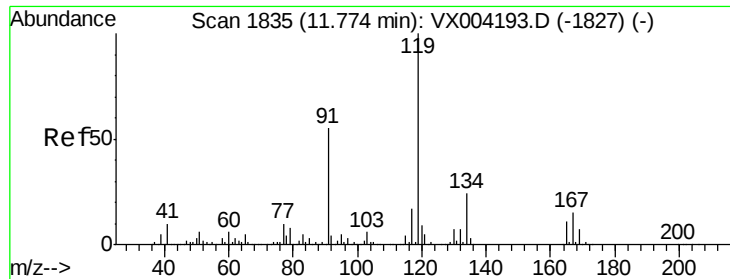
Tgt Ion: 91 Resp: 311871

Ion Ratio Lower Upper

91 100

126 31.1 15.5 46.5





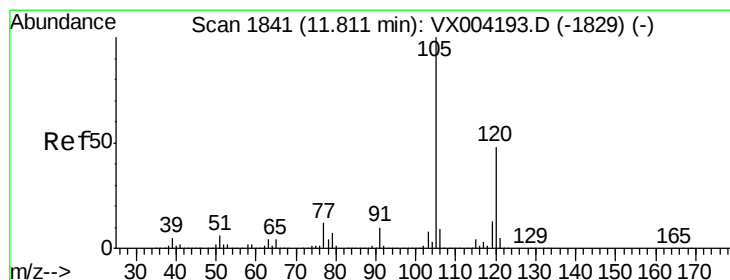
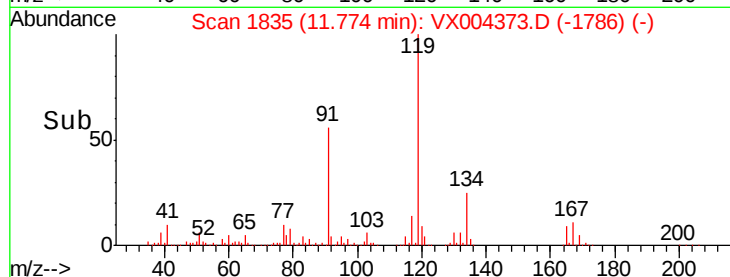
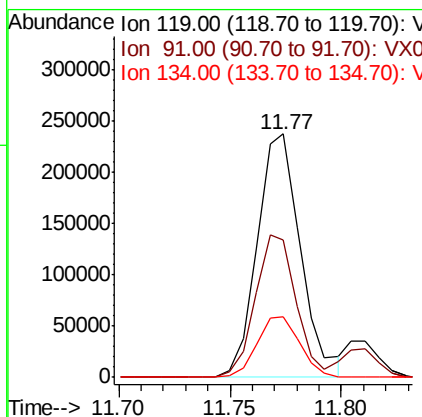
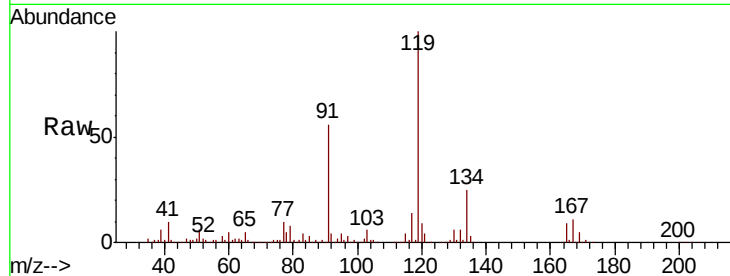
#83
tert-Butylbenzene
Concen: 21.54 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0905WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.0	27.0	81.0
134	24.6	11.7	35.1

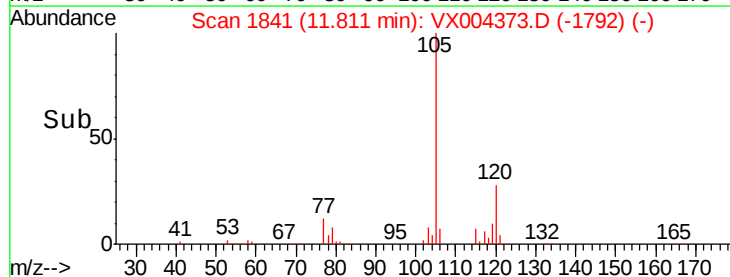
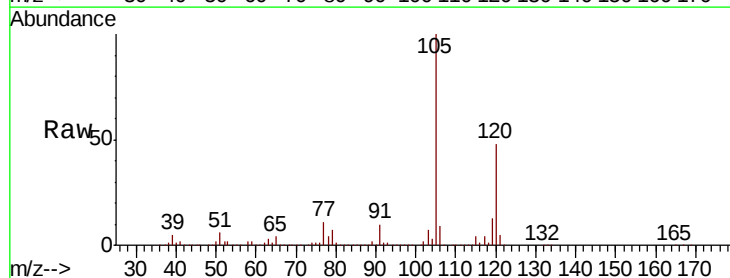
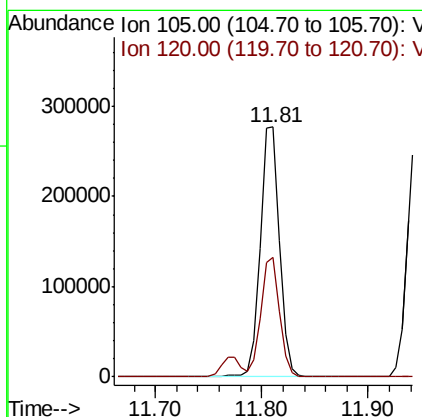
Manual Integrations
APPROVED

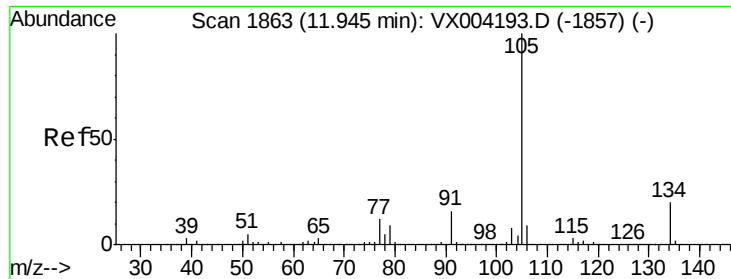
MMDadoda
9/6/2018 12:48:46 PM



#84
1,2,4-Trimethylbenzene
Concen: 23.06 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.2	69.6





#85

sec-Butylbenzene

Concen: 22.48 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Instrument :

MSVOA_X

ClientSampled :

VX0905WBSD01

Tot Ion:105 Resp: 398171

Ion Ratio Lower Upper

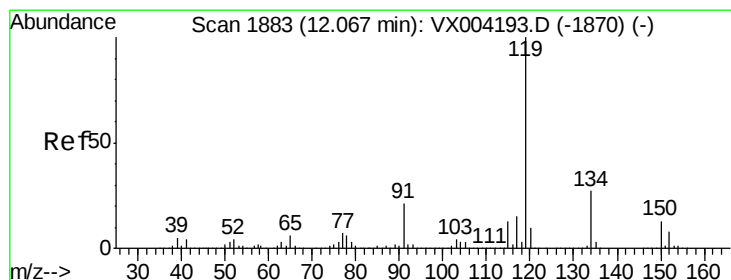
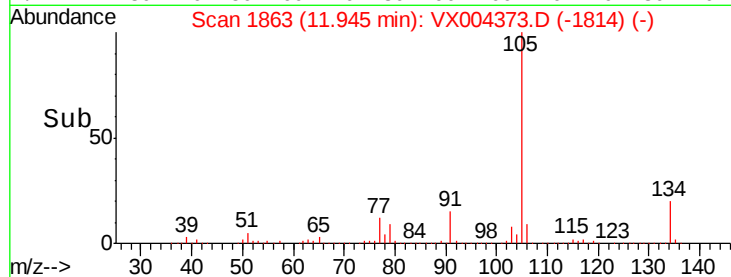
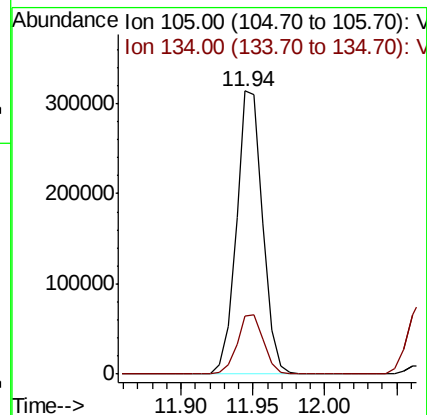
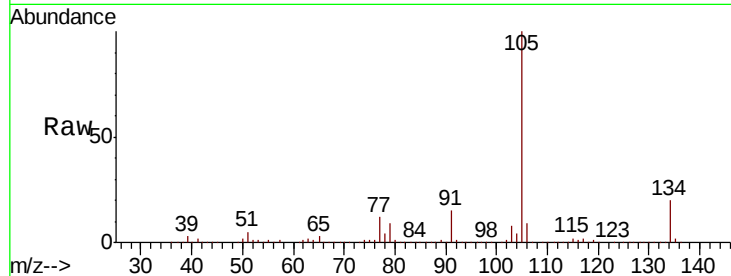
105 100

134 21.1 10.5 31.5

Manual Integrations
APPROVED

MMDadoda

9/6/2018 12:48:46 PM



#86

p-Isopropyltoluene

Concen: 22.43 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

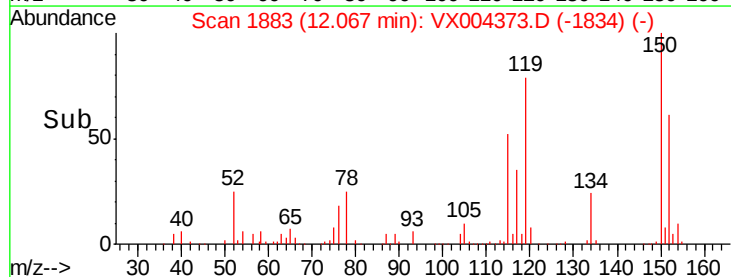
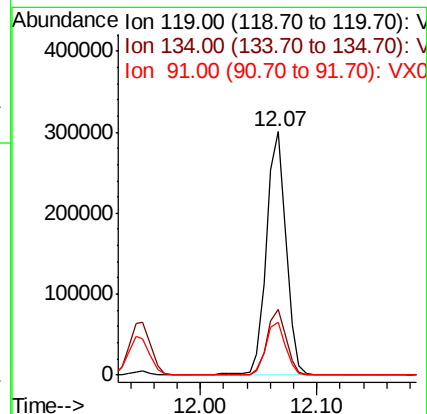
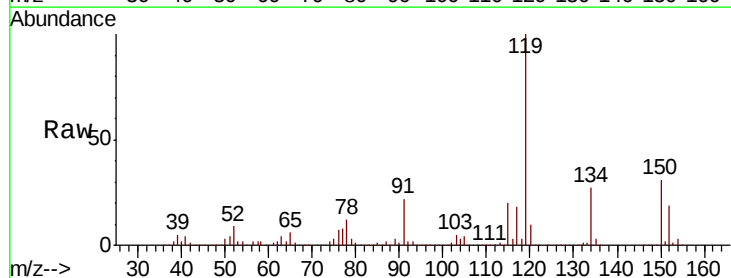
Tgt Ion:119 Resp: 356088

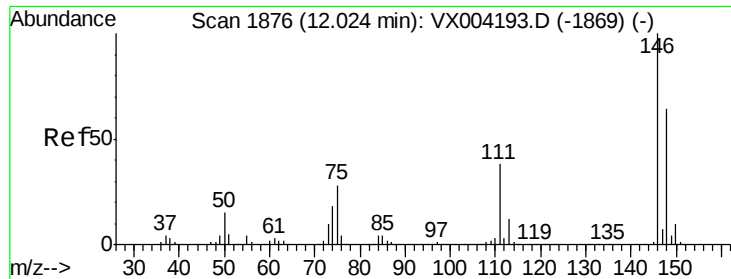
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 21.9 10.9 32.7





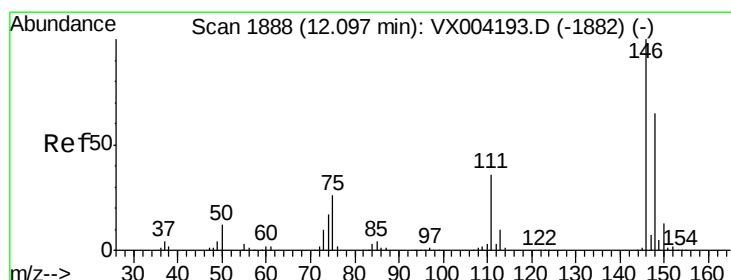
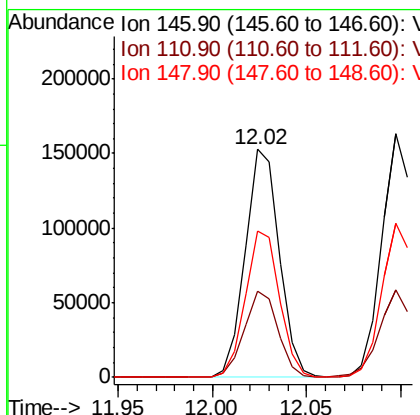
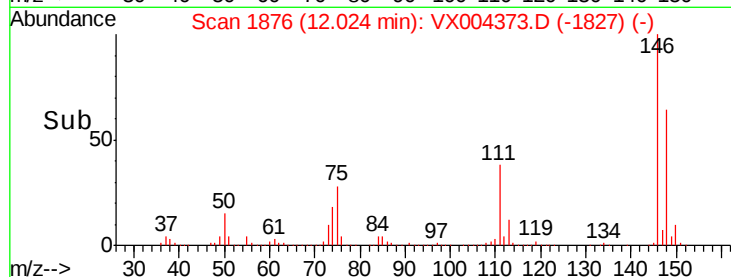
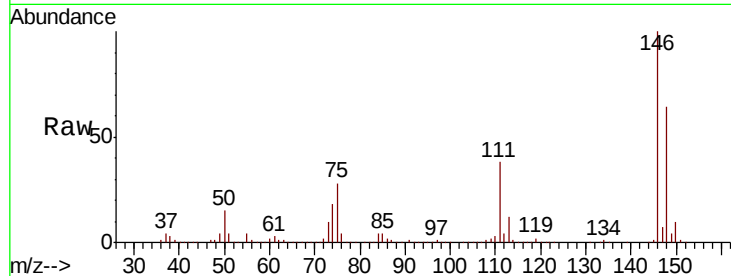
#87
 1,3-Dichlorobenzene
 Concen: 20.32 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004373.D
 Acq: 05 Sep 2018 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.7	56.1
148	64.4	32.1	96.5

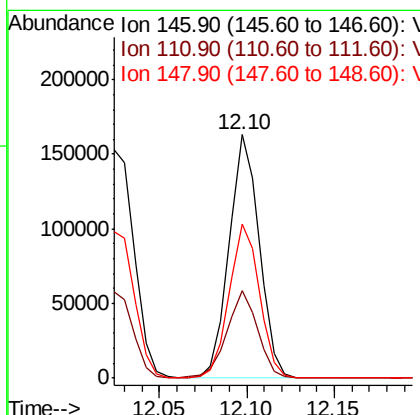
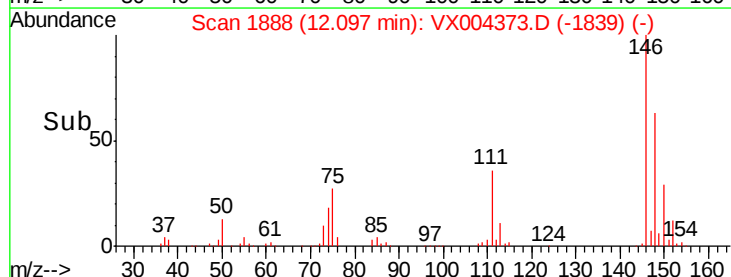
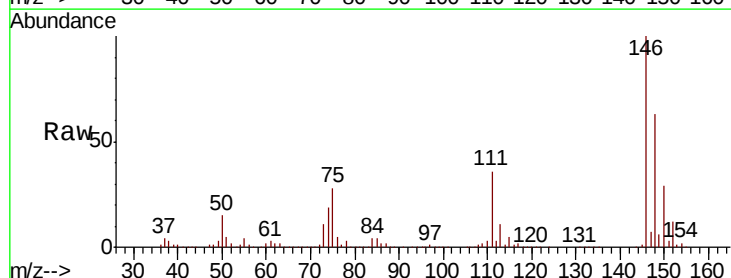
Manual Integrations
 APPROVED

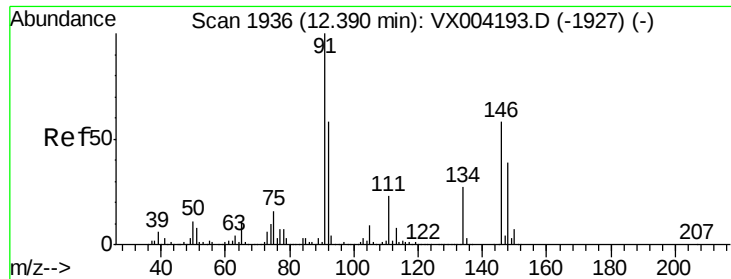
MMDadoda
 9/6/2018 12:48:46 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.57 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004373.D
 Acq: 05 Sep 2018 16:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.1
148	63.9	32.0	96.0





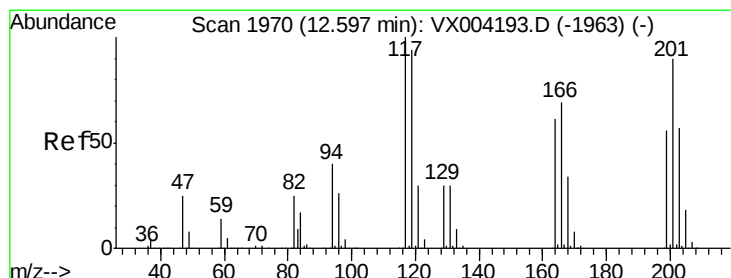
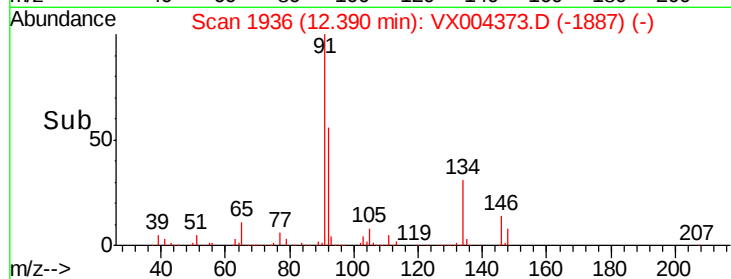
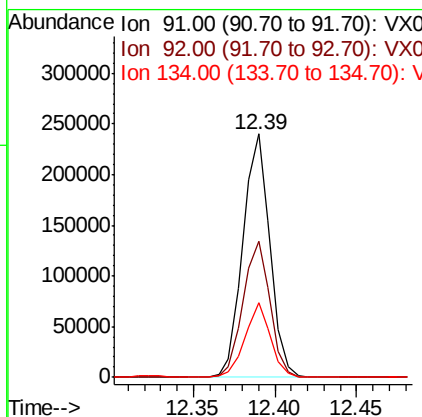
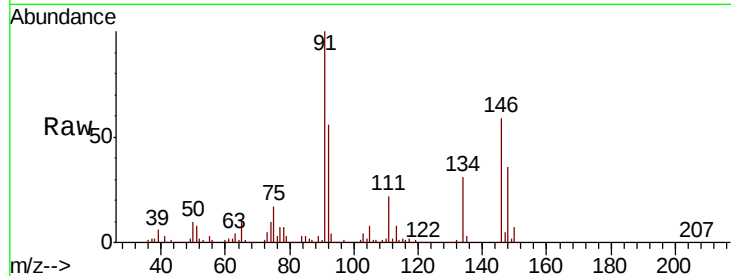
#89
n-Butylbenzene
Concen: 21.45 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0905WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	276896		
92	56.1		27.3	81.9
134	29.3		13.6	40.7

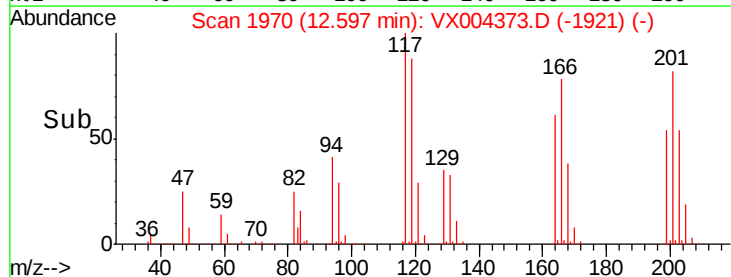
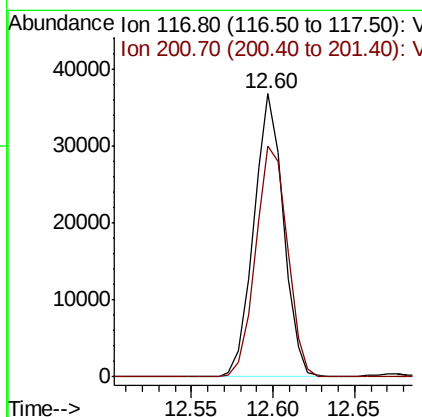
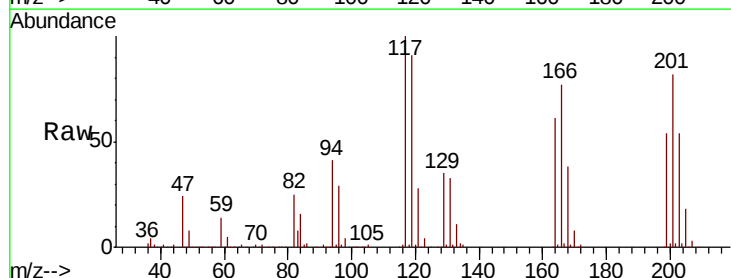
Manual Integrations
APPROVED

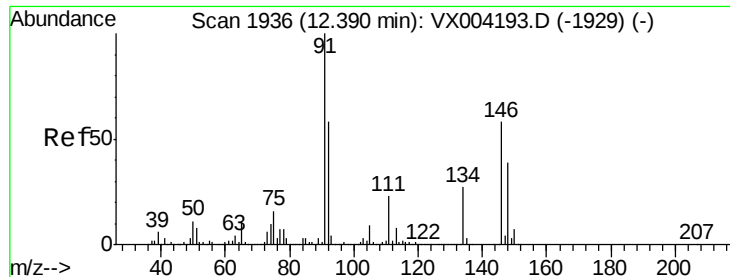
MMDadoda
9/6/2018 12:48:46 PM



#90
Hexachloroethane
Concen: 21.00 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004373.D
Acq: 05 Sep 2018 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	46588		
201	87.4		46.9	140.6





#91

1,2-Dichlorobenzene

Concen: 21.32 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Instrument :

MSVOA_X

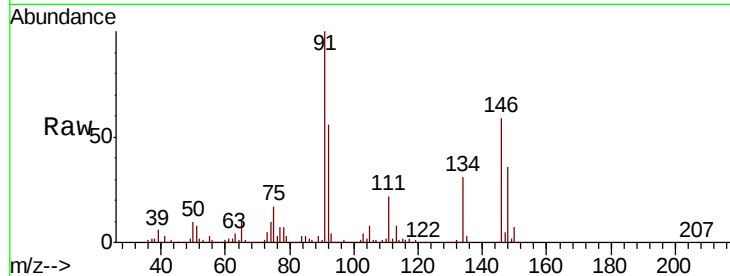
ClientSampleId :

VX0905WBSD01

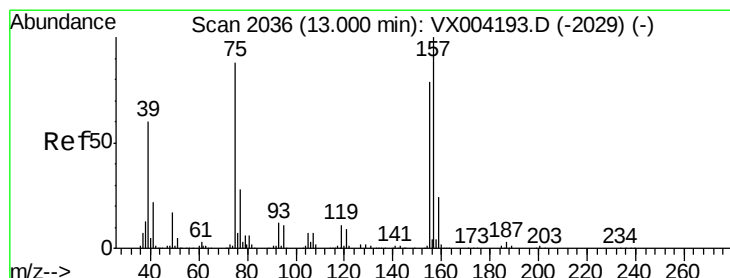
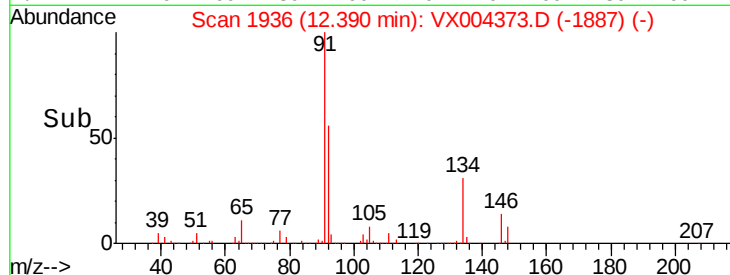
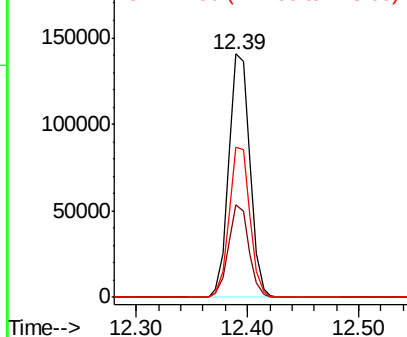
Tot Ion:	146	Resp:	184322
Ion Ratio	Lower	Upper	
146	100		
111	36.9	19.4	58.1
148	60.8	32.8	98.3

Manual Integrations
APPROVED

MMDadoda
9/6/2018 12:48:46 PM



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.78 ug/l

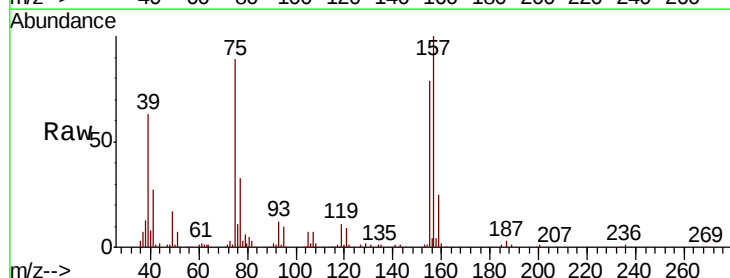
RT: 13.00 min Scan# 2036

Delta R.T. -0.00 min

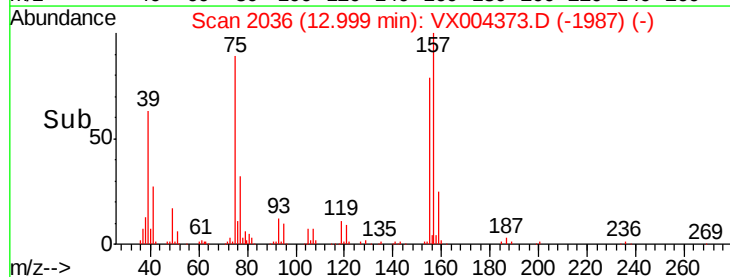
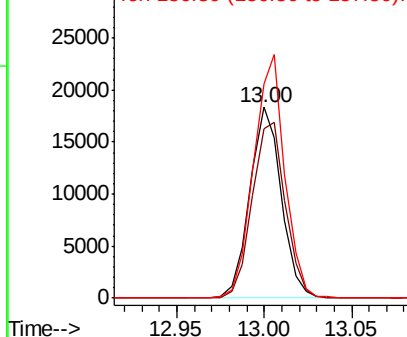
Lab File: VX004373.D

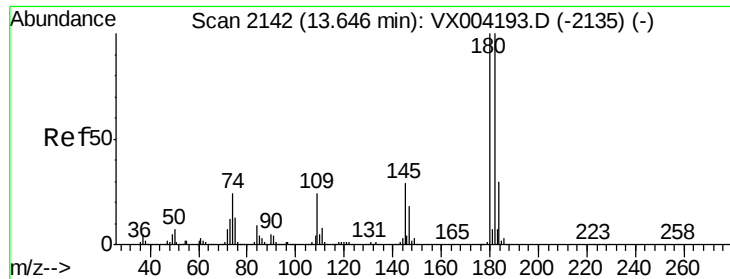
Acq: 05 Sep 2018 16:25

Tgt Ion:	75	Resp:	22934
Ion Ratio	Lower	Upper	
75	100		
155	97.2	48.0	144.2
157	125.6	61.4	184.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





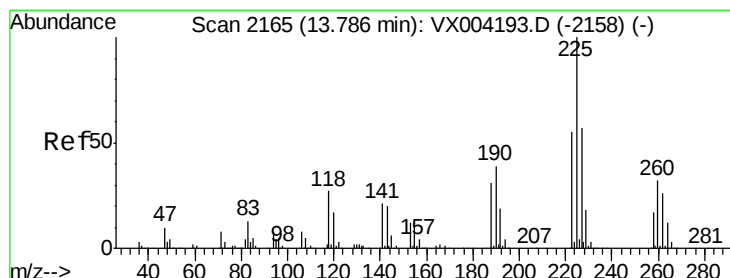
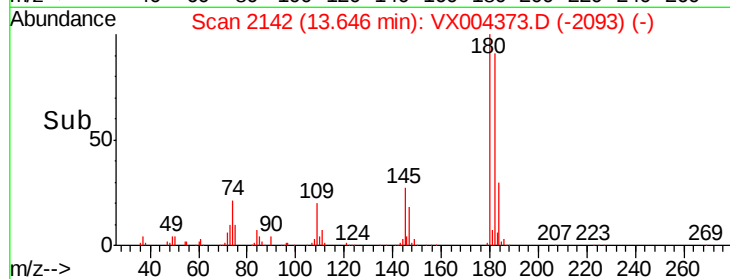
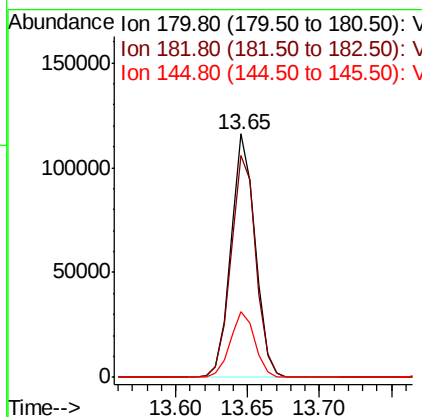
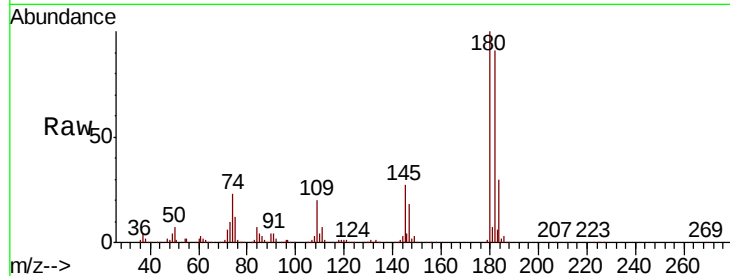
#93
 1,2,4-Trichlorobenzene
 Concen: 21.89 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004373.D
 Acq: 05 Sep 2018 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	137699		
182	93.9	48.4	145.0	
145	27.4	14.3	42.9	

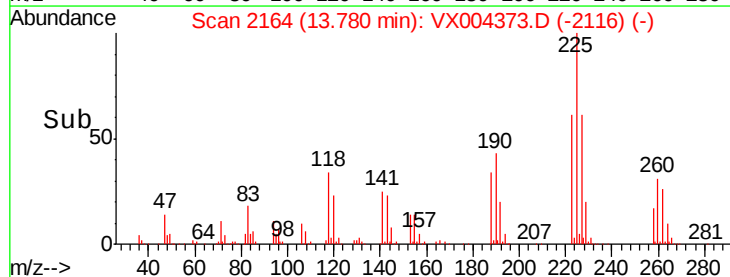
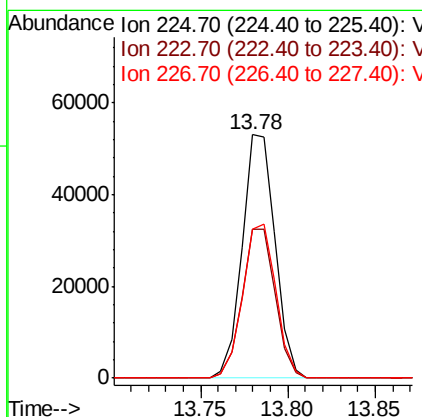
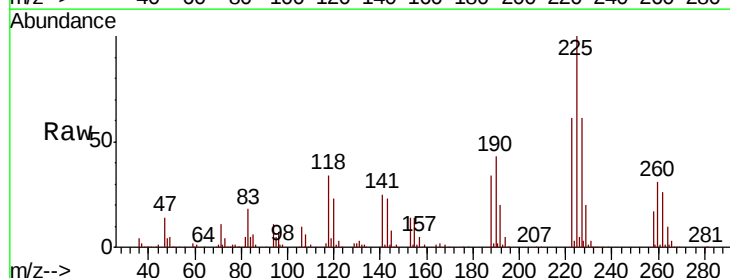
Manual Integrations
 APPROVED

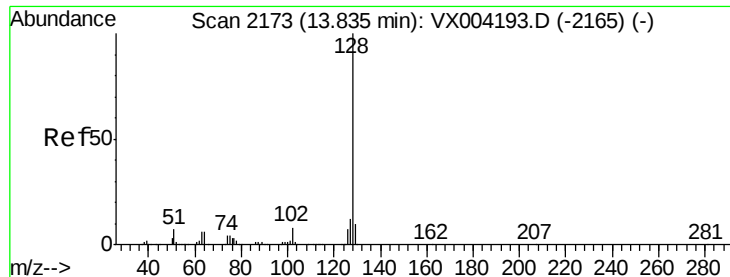
MMDadoda
 9/6/2018 12:48:46 PM



#94
 Hexachlorobutadiene
 Concen: 23.49 ug/l
 RT: 13.78 min Scan# 2164
 Delta R.T. -0.01 min
 Lab File: VX004373.D
 Acq: 05 Sep 2018 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	68938		
223	61.9	30.1	90.5	
227	63.9	30.8	92.4	





#95

Naphthalene

Concen: 23.33 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Instrument :

MSVOA_X

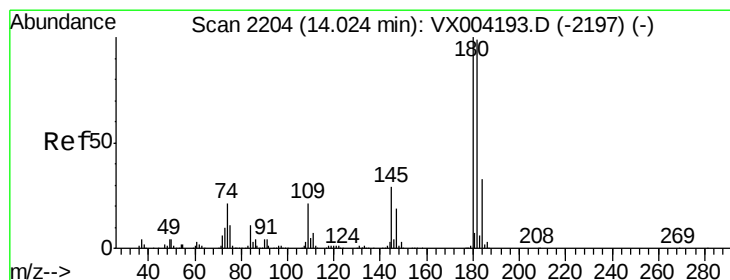
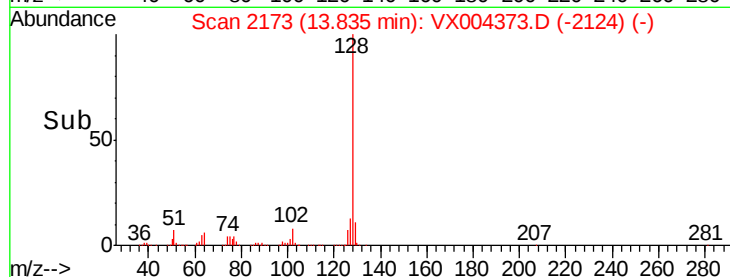
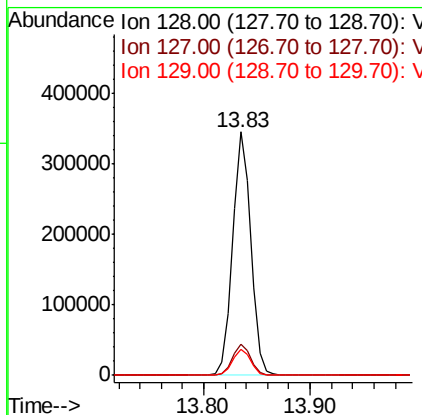
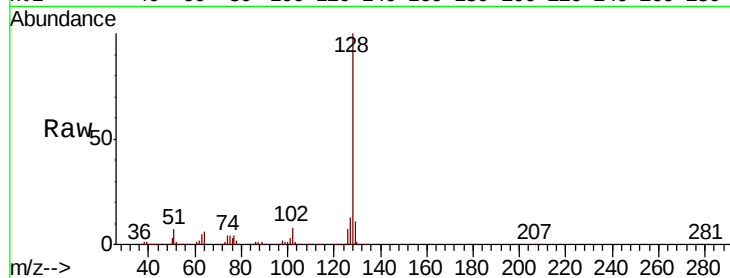
ClientSampleId :

VX0905WBSD01

Tot Ion:	128	Resp:	415006
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/6/2018 12:48:46 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.30 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004373.D

Acq: 05 Sep 2018 16:25

Tgt Ion:	180	Resp:	141798
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.5	145.6
145	30.3	14.9	44.9

