

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060618\
 Data File : VX002346.D
 Acq On : 06 Jun 2018 12:23
 Operator : JC/MD
 Sample : VX0606WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0606WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/7/2018 11:36:14 AM

Quant Time: Jun 07 04:03:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	268047	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	383663	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	370829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	233070	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	199622	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
35) Dibromofluoromethane	5.51	113	146441	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
50) Toluene-d8	8.72	98	575537	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	11.14	95	216405	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	54662	19.62	ug/l	98
3) Chloromethane	1.32	50	60867	17.18	ug/l	99
4) Vinyl Chloride	1.41	62	65057	18.53	ug/l	99
5) Bromomethane	1.64	94	37680	16.74	ug/l	98
6) Chloroethane	1.73	64	45067	19.84	ug/l	99
7) Trichlorofluoromethane	1.93	101	110566	20.66	ug/l	98
8) Diethyl Ether	2.19	74	41311	20.30	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	64821	22.45	ug/l	99
10) Methyl Iodide	2.51	142	52912	13.03	ug/l	97
11) Tert butyl alcohol	3.06	59	83067	93.34	ug/l	99
12) 1,1-Dichloroethene	2.38	96	54557	19.12	ug/l	96
13) Acrolein	2.29	56	28645	68.17	ug/l	100
14) Allyl chloride	2.73	41	109900	17.75	ug/l	99
15) Acrylonitrile	3.15	53	173620	100.64	ug/l	100
16) Acetone	2.45	43	185912	101.38	ug/l	100
17) Carbon Disulfide	2.57	76	121969	16.22	ug/l	97
18) Methyl Acetate	2.78	43	82982	19.99	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	212707	19.97	ug/l	100
20) Methylene Chloride	2.86	84	64593	19.63	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	58358	18.55	ug/l	100
22) Diisopropyl ether	3.87	45	225348	20.92	ug/l	94
23) Vinyl Acetate	3.82	43	984143	98.03	ug/l	100
24) 1,1-Dichloroethane	3.70	63	117201	19.15	ug/l	99
25) 2-Butanone	4.71	43	231681	88.15	ug/l	98
26) 2,2-Dichloropropane	4.59	77	77836	16.27	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	58426	17.07	ug/l	95
28) Bromochloromethane	5.02	49	58087	20.19	ug/l	100
29) Tetrahydrofuran	5.17	42	144795	85.45	ug/l	99
30) Chloroform	5.22	83	102770	17.40	ug/l	97
31) Cyclohexane	5.58	56	90795	18.76	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	87352	17.44	ug/l	99
36) 1,1-Dichloropropene	5.80	75	74074	18.37	ug/l	99
37) Ethyl Acetate	4.86	43	88338	18.21	ug/l	100
38) Carbon Tetrachloride	5.79	117	75351	17.86	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060618\
 Data File : VX002346.D
 Acq On : 06 Jun 2018 12:23
 Operator : JC/MD
 Sample : VX0606WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0606WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/7/2018 11:36:14 AM

Quant Time: Jun 07 04:03:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	95528	19.33	ug/l	98
40) Benzene	6.15	78	225659	18.25	ug/l	99
41) Methacrylonitrile	5.07	41	49767	17.92	ug/l	99
42) 1,2-Dichloroethane	6.20	62	92799	18.89	ug/l	100
43) Isopropyl Acetate	6.47	43	146436	17.77	ug/l	100
44) Trichloroethene	7.22	130	63601	18.53	ug/l	97
45) 1,2-Dichloropropane	7.52	63	61659	18.47	ug/l	95
46) Dibromomethane	7.67	93	40821	18.04	ug/l	99
47) Bromodichloromethane	7.90	83	71438	17.45	ug/l	97
48) Methyl methacrylate	7.78	41	74261	17.94	ug/l	97
49) 1,4-Dioxane	7.76	88	28665	370.45	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	476183	92.81	ug/l	99
52) Toluene	8.79	92	148775	18.91	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	85828	17.48	ug/l	95
54) cis-1,3-Dichloropropene	9.04	75	77956	16.83	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	61859	19.12	ug/l	95
56) Ethyl methacrylate	9.18	69	95060	18.41	ug/l	99
57) 1,3-Dichloropropane	9.38	76	101523	18.71	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	226686	94.83	ug/l	99
59) 2-Hexanone	9.50	43	370892	93.59	ug/l	100
60) Dibromochloromethane	9.59	129	56067	17.23	ug/l	99
61) 1,2-Dibromoethane	9.68	107	64043	18.99	ug/l	98
64) Tetrachloroethene	9.34	164	72106	18.85	ug/l	98
65) Chlorobenzene	10.14	112	172268	18.67	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	58399	17.48	ug/l	98
67) Ethyl Benzene	10.26	91	293486	19.01	ug/l	99
68) m/p-Xylenes	10.36	106	226910	37.80	ug/l	99
69) o-Xylene	10.70	106	112084	18.76	ug/l	99
70) Styrene	10.71	104	181780	18.61	ug/l	99
71) Bromoform	10.86	173	40945	16.19	ug/l #	99
73) Isopropylbenzene	11.02	105	303249	18.70	ug/l	99
74) N-amyl acetate	6.47	43	146436	16.76	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	89765	17.60	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	90008m	17.60	ug/l	
77) Bromobenzene	11.26	156	81035	17.80	ug/l	99
78) n-propylbenzene	11.37	91	348290	19.33	ug/l	100
79) 2-Chlorotoluene	11.43	91	203763	17.91	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	258858	18.61	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	20460	14.02	ug/l	86
82) 4-Chlorotoluene	11.51	91	240546	18.31	ug/l	100
83) tert-Butylbenzene	11.77	119	248918	18.38	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	266532	18.62	ug/l	98
85) sec-Butylbenzene	11.95	105	314775	19.83	ug/l	100
86) p-Isopropyltoluene	12.07	119	282524	19.54	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	148558	18.25	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	151922	18.11	ug/l	100
89) n-Butylbenzene	12.39	91	243856	20.11	ug/l	100
90) Hexachloroethane	12.60	117	36455	15.79	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	153504	18.23	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	18180	16.30	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060618\
Data File : VX002346.D
Acq On : 06 Jun 2018 12:23
Operator : JC/MD
Sample : VX0606WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0606WBSD01

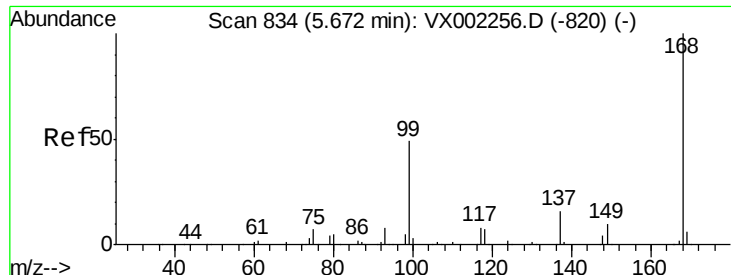
Manual Integrations
APPROVED

MMDadoda
6/7/2018 11:36:14 AM

Quant Time: Jun 07 04:03:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	111476	18.88	ug/l	99
94) Hexachlorobutadiene	13.79	225	59299	20.32	ug/l	99
95) Naphthalene	13.84	128	312431	18.42	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	113351	18.82	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0606WBSD01

Tot Ion:168 Resp: 268047

Ion Ratio Lower Upper

168 100

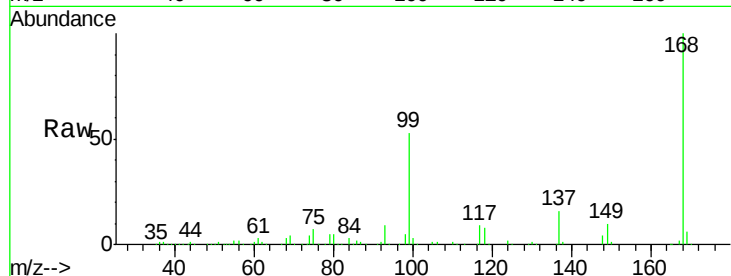
99 52.5 39.3 58.9

Manual Integrations

APPROVED

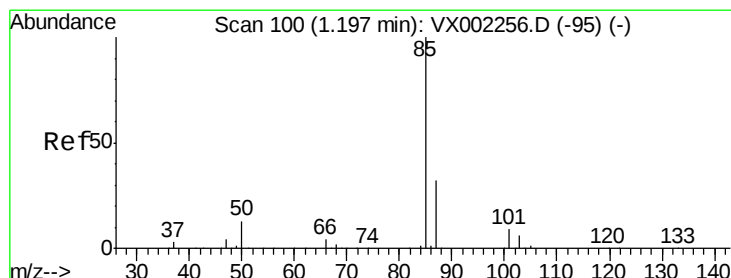
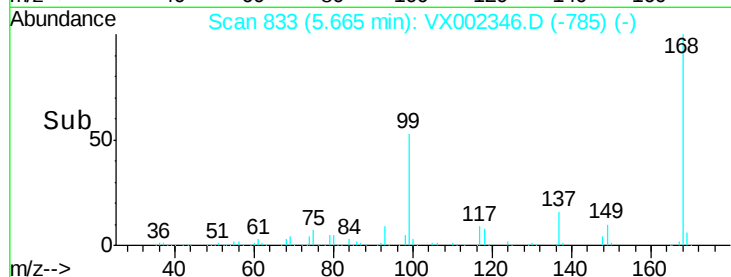
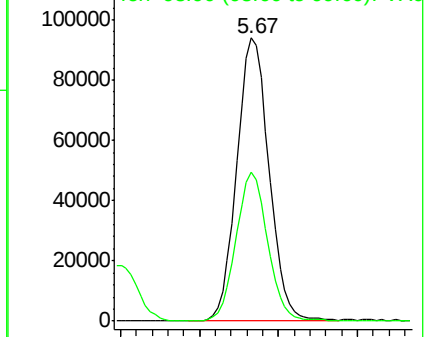
MMDadoda

6/7/2018 11:36:14 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.62 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002346.D

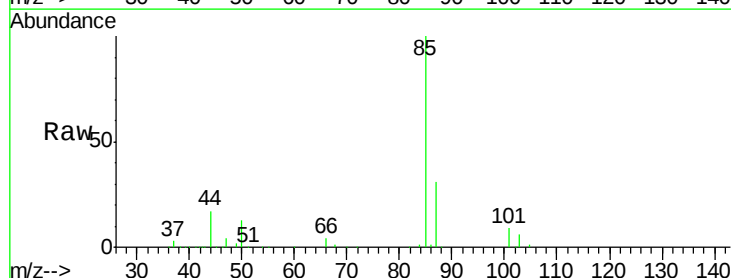
Acq: 06 Jun 2018 12:23

Tgt Ion: 85 Resp: 54662

Ion Ratio Lower Upper

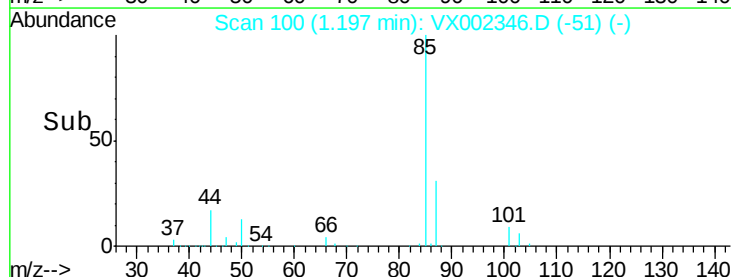
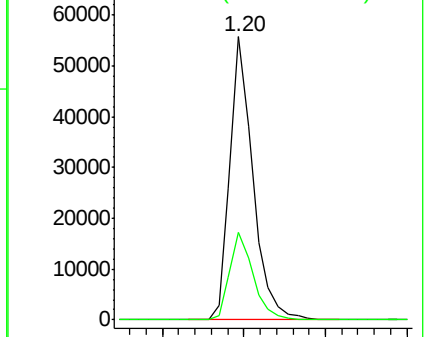
85 100

87 30.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.18 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0606WBSD01

Tot Ion: 50 Resp: 60867

Ion Ratio Lower Upper

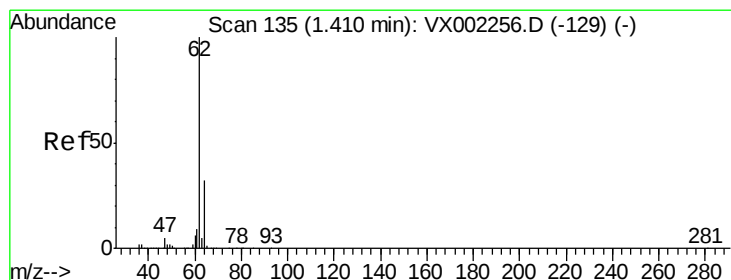
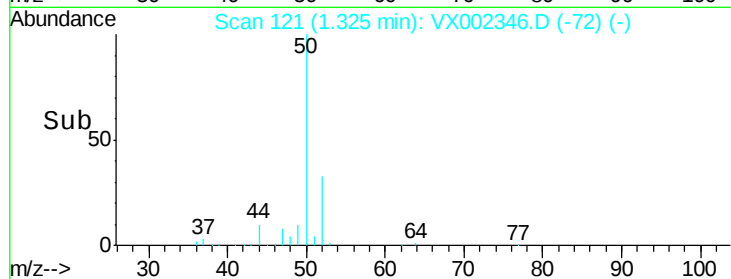
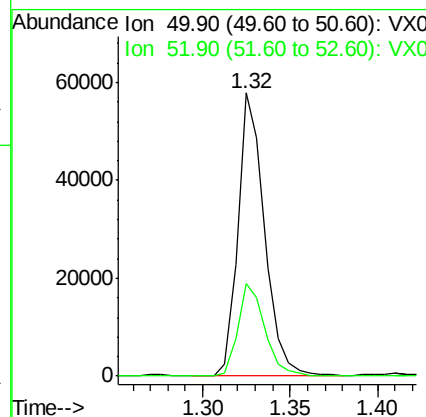
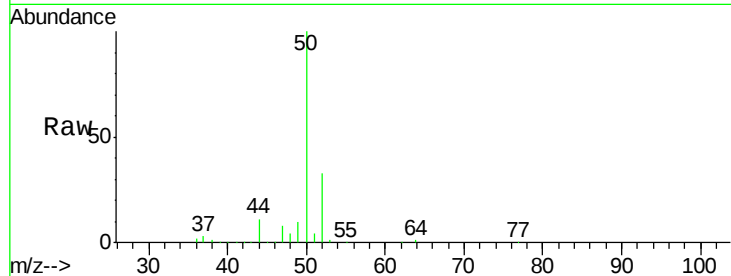
50 100

52 32.6 25.7 38.5

Manual Integrations
APPROVED

MMDadoda

6/7/2018 11:36:14 AM



#4

Vinyl Chloride

Concen: 18.53 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX002346.D

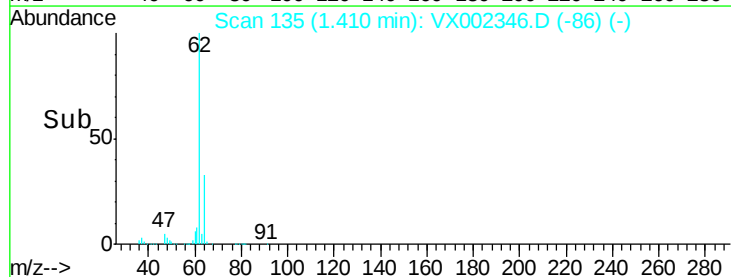
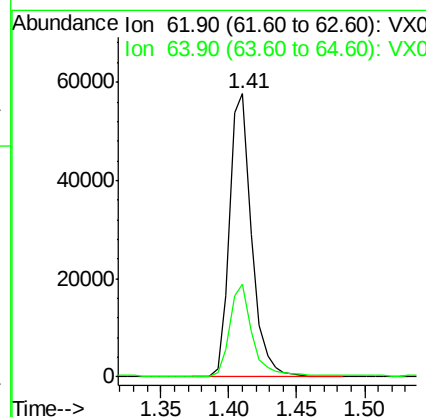
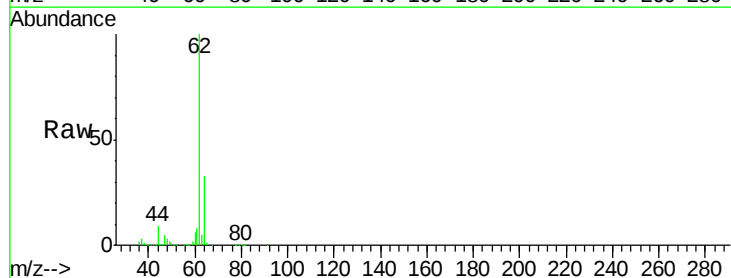
Acq: 06 Jun 2018 12:23

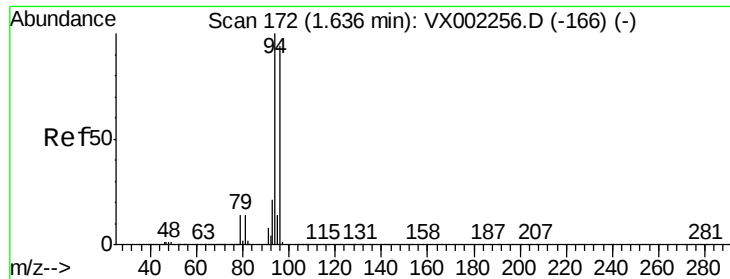
Tgt Ion: 62 Resp: 65057

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.2





#5

Bromomethane

Concen: 16.74 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

Instrument :

MSVOA_X

ClientSampled :

VX0606WBSD01

Tot Ion: 94 Resp: 37680

Ion Ratio Lower Upper

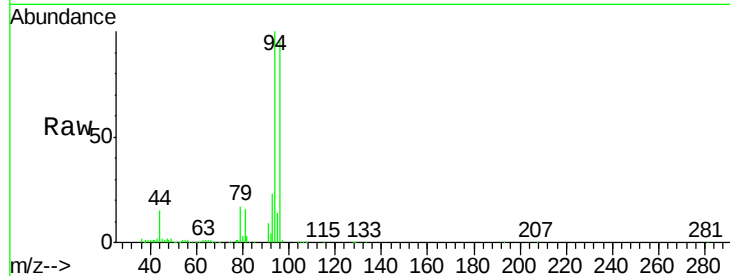
94 100

96 95.5 74.9 112.3

Manual Integrations
APPROVED

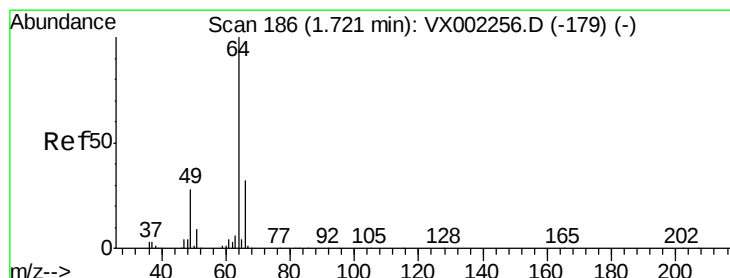
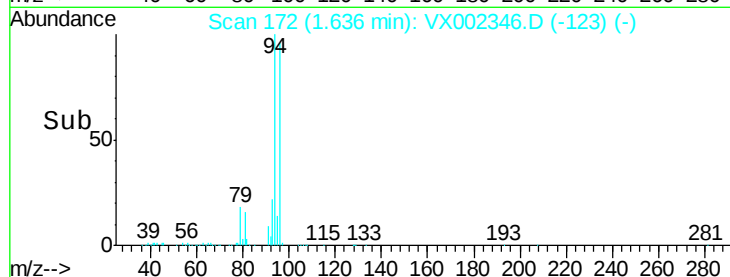
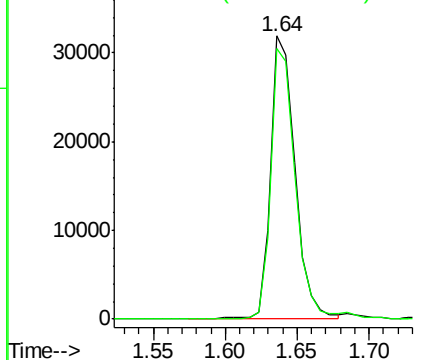
MMDadoda

6/7/2018 11:36:14 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.84 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002346.D

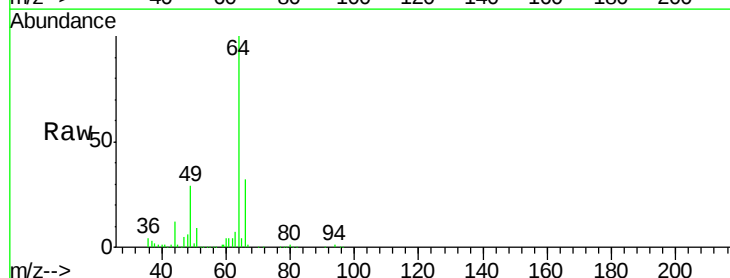
Acq: 06 Jun 2018 12:23

Tgt Ion: 64 Resp: 45067

Ion Ratio Lower Upper

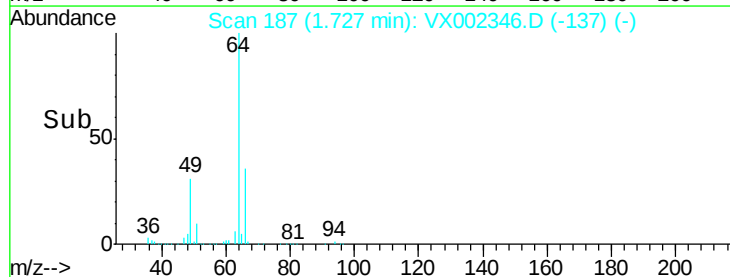
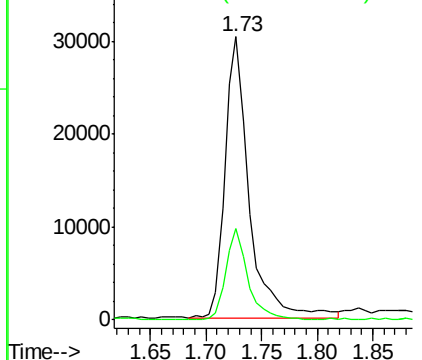
64 100

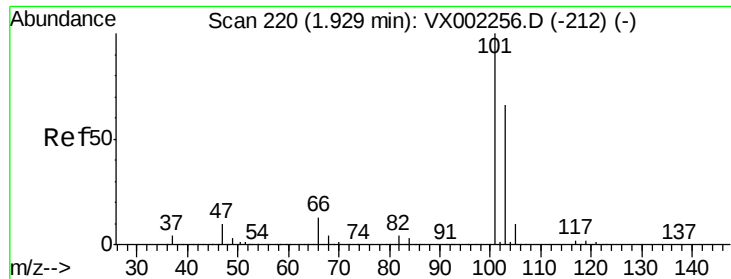
66 32.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

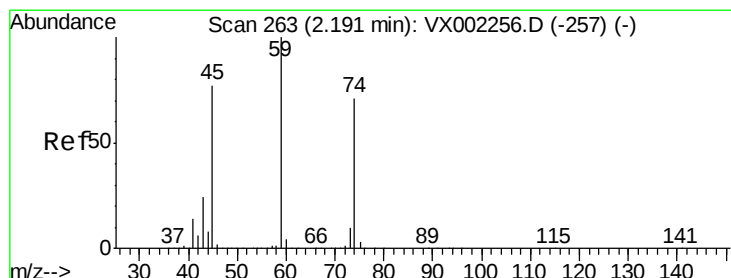
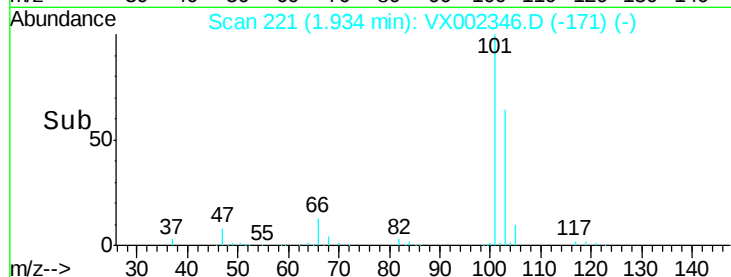
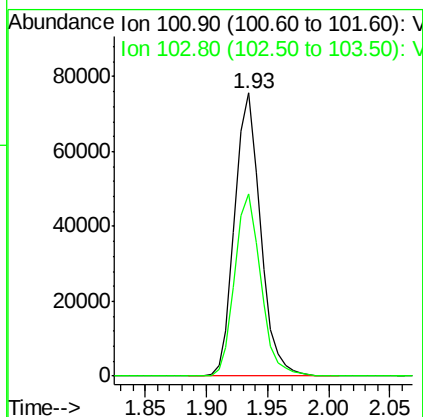
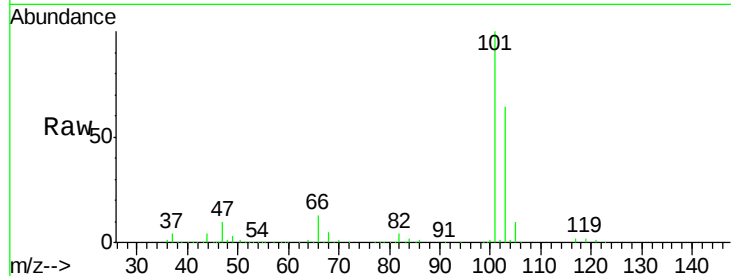
Trichlorofluoromethane
 Concen: 20.66 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX002346.D
 Acq: 06 Jun 2018 12:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0606WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.8	79.2

Manual Integrations
 APPROVED

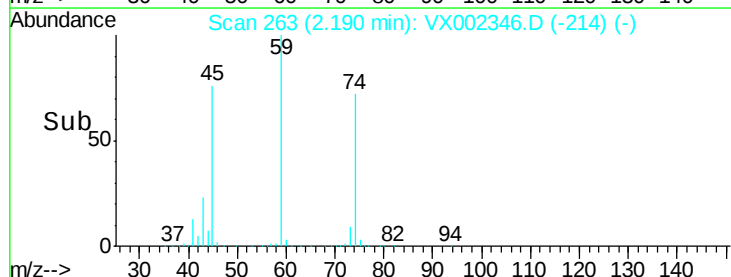
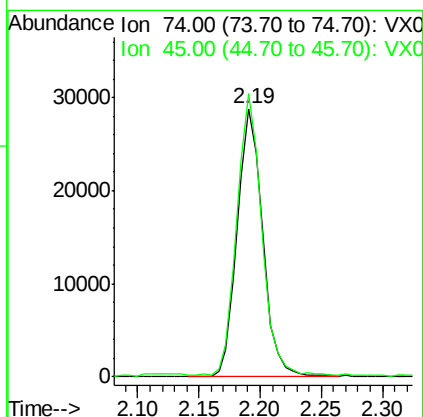
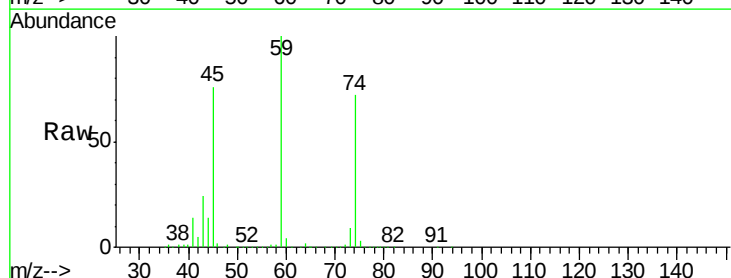
MMDadoda
 6/7/2018 11:36:14 AM

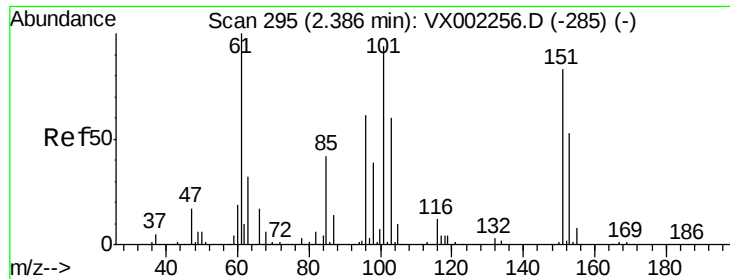


#8

Diethyl Ether
 Concen: 20.30 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002346.D
 Acq: 06 Jun 2018 12:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.9	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.45 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

Instrument :

MSVOA_X

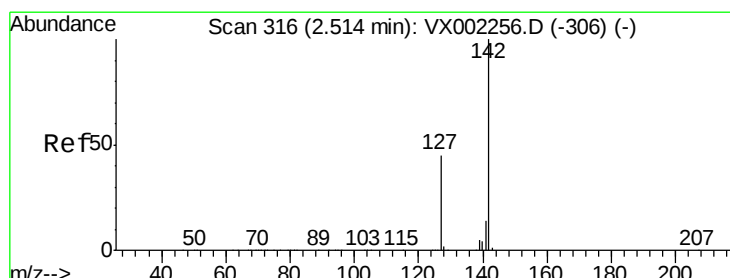
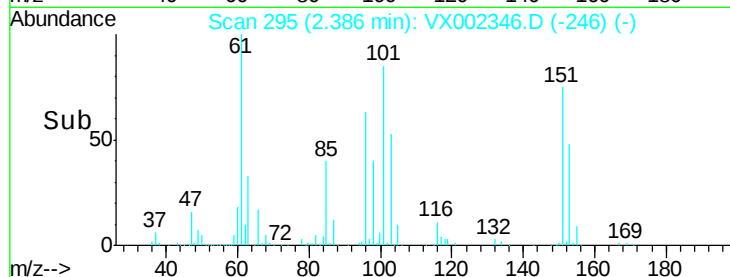
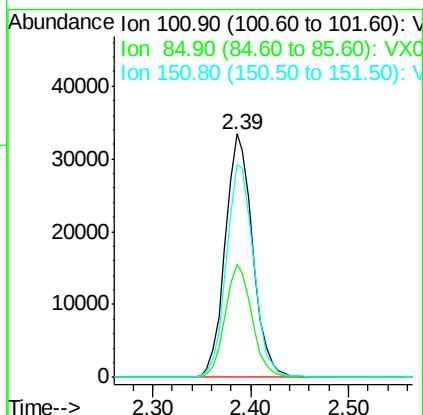
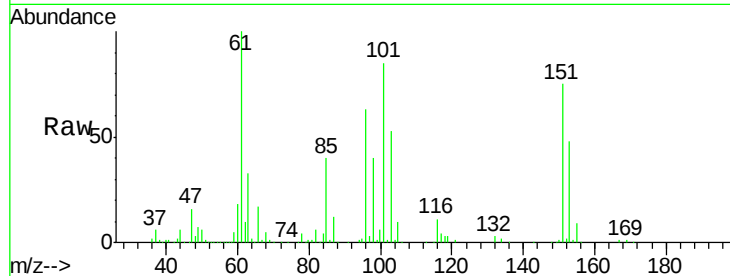
ClientSampleId :

VX0606WBSD01

Tot Ion:	101	Resp:	64821
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.0	54.0
151	87.6	70.9	106.3

Manual Integrations
APPROVED

MMDadoda
6/7/2018 11:36:14 AM



#10

Methyl Iodide

Concen: 13.03 ug/l

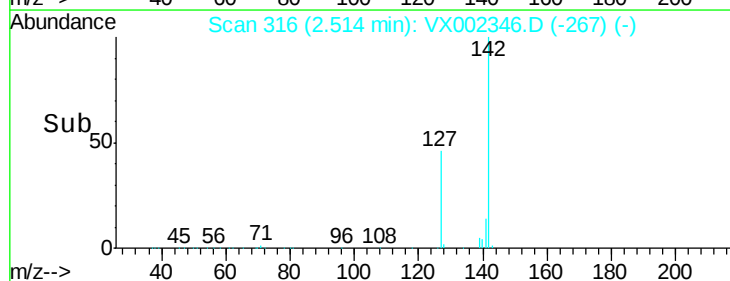
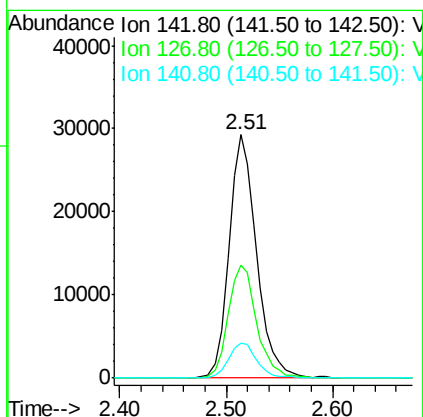
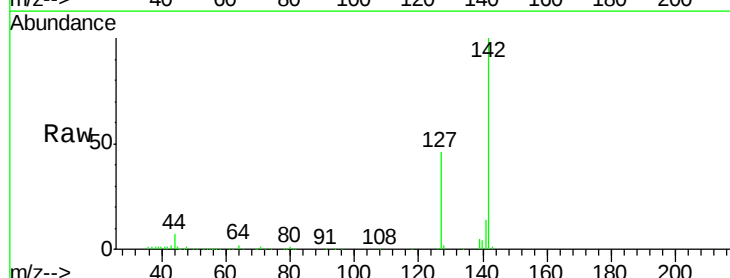
RT: 2.51 min Scan# 316

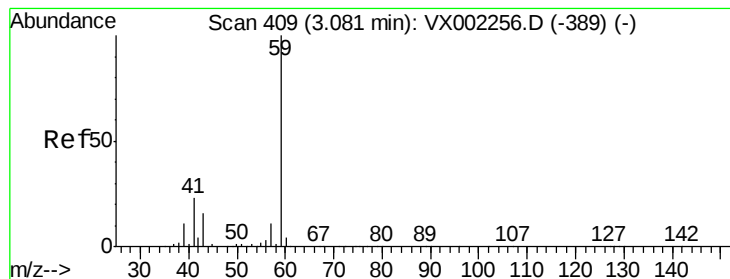
Delta R.T. -0.00 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

Tgt Ion:	142	Resp:	52912
Ion Ratio	Lower	Upper	
142	100		
127	48.1	36.6	55.0
141	14.8	11.3	16.9





#11

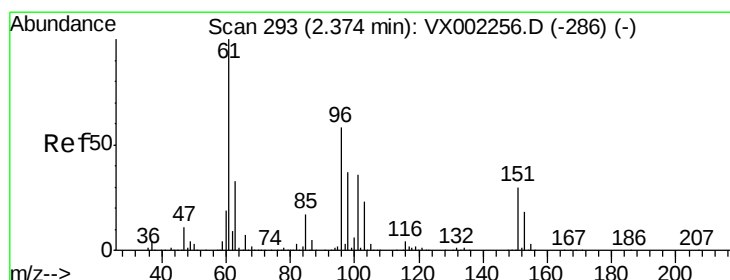
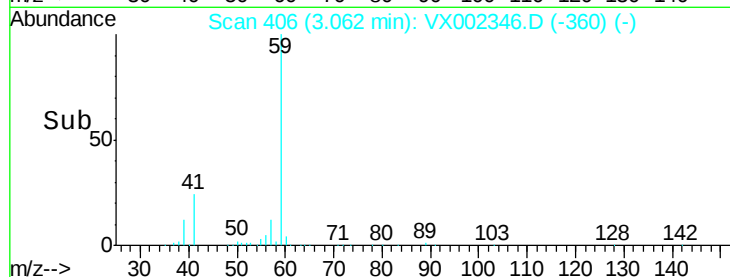
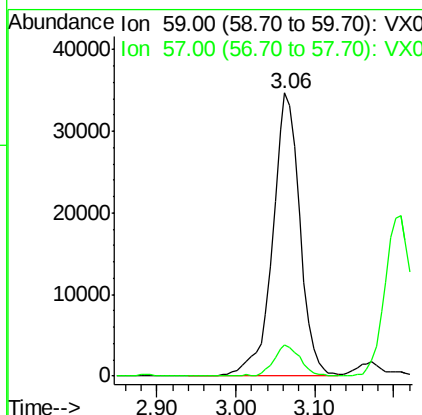
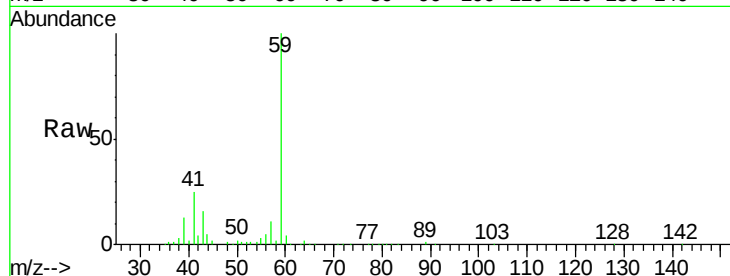
Tert butyl alcohol
 Concen: 93.34 ug/l
 RT: 3.06 min Scan# 406
 Delta R.T. -0.02 min
 Lab File: VX002346.D
 Acq: 06 Jun 2018 12:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0606WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.2

Manual Integrations
 APPROVED

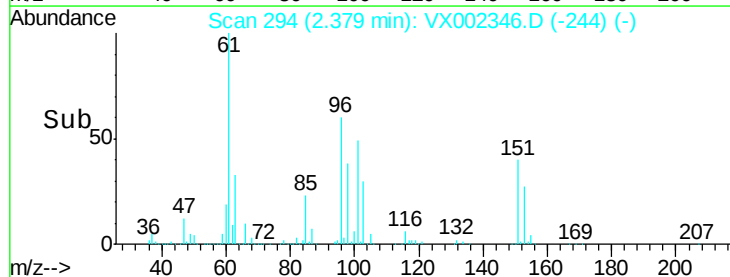
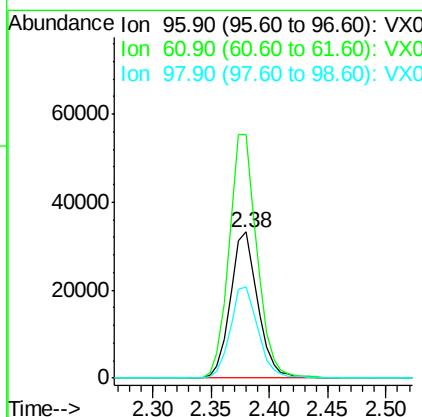
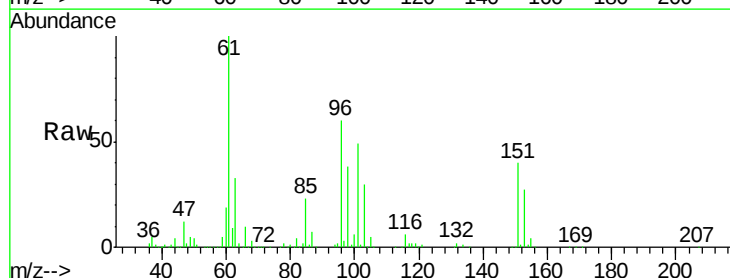
MMDadoda
 6/7/2018 11:36:14 AM

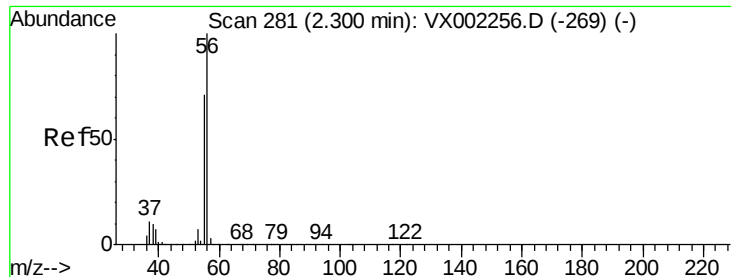


#12

1,1-Dichloroethene
 Concen: 19.12 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VX002346.D
 Acq: 06 Jun 2018 12:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.7	137.9	206.9
98	62.9	51.6	77.4





#13

Acrolein

Concen: 68.17 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0606WBSD01

Tot Ion: 56 Resp: 28645

Ion Ratio Lower Upper

56 100

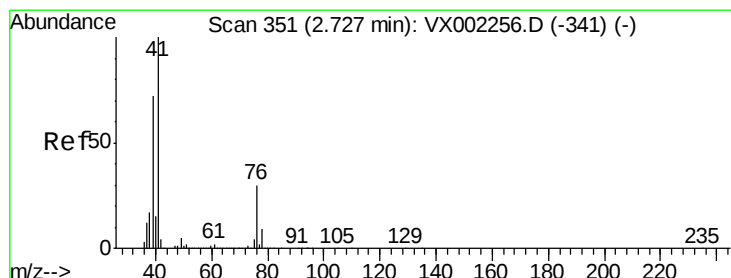
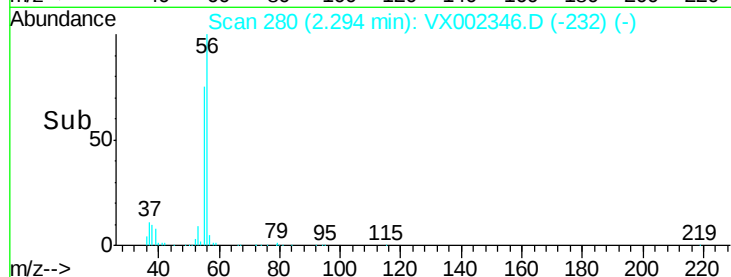
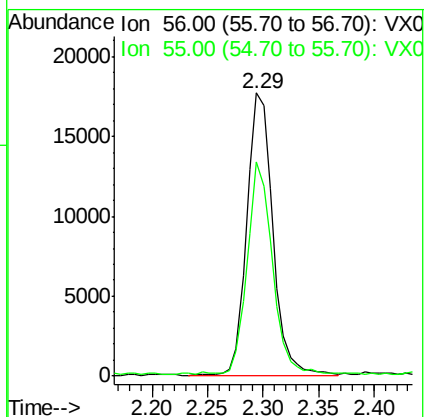
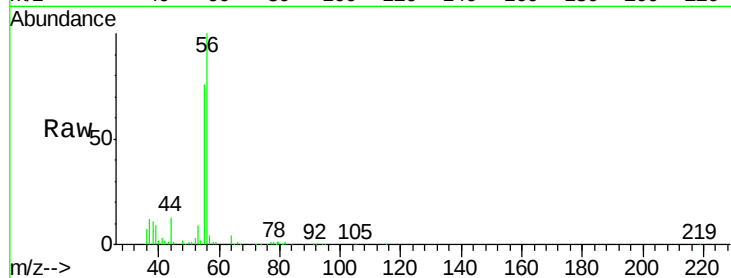
55 71.3 57.0 85.4

Manual Integrations

APPROVED

MMDadoda

6/7/2018 11:36:14 AM



#14

Allyl chloride

Concen: 17.75 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

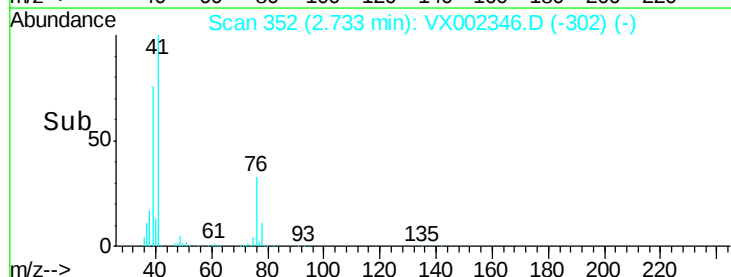
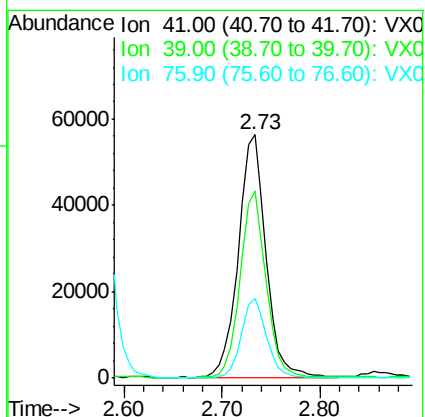
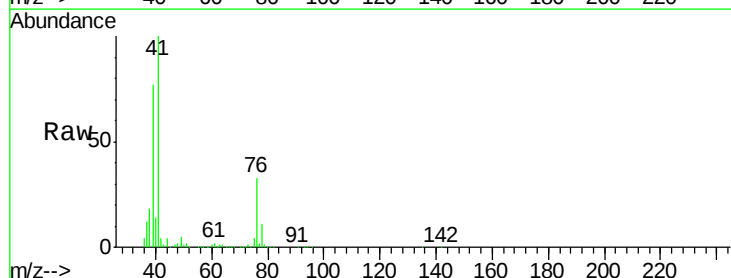
Tgt Ion: 41 Resp: 109900

Ion Ratio Lower Upper

41 100

39 71.8 56.8 85.2

76 30.2 23.8 35.8





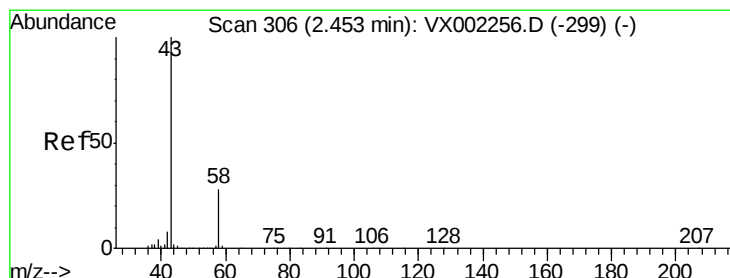
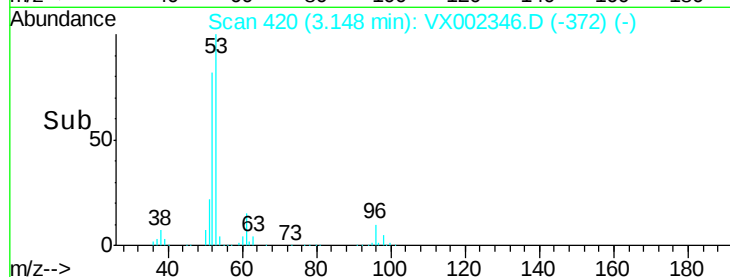
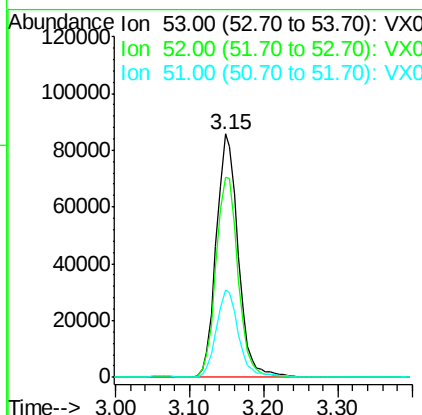
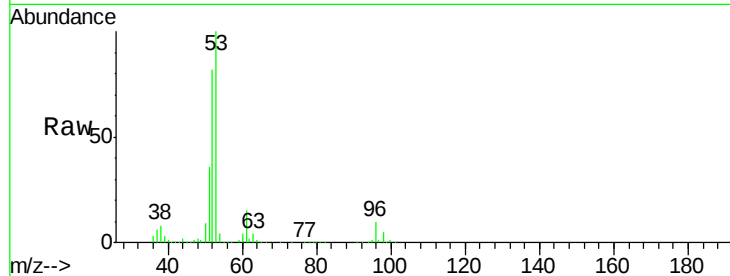
#15
 Acrylonitrile
 Concen: 100.64 ug/l
 RT: 3.15 min Scan# 420
 Delta R.T. -0.01 min
 Lab File: VX002346.D
 Acq: 06 Jun 2018 12:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0606WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.7	100.1
51	36.8	29.9	44.9

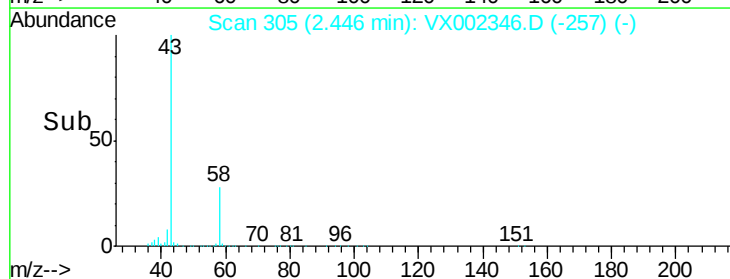
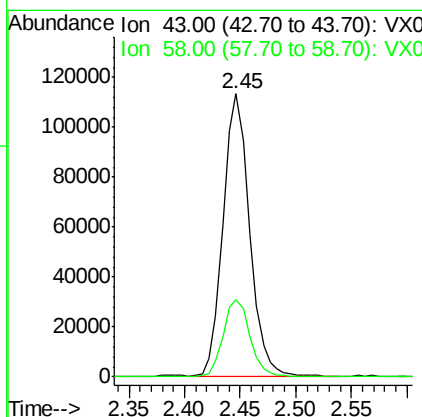
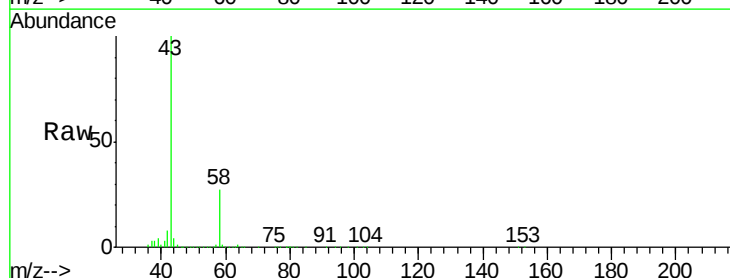
Manual Integrations
 APPROVED

MMDadoda
 6/7/2018 11:36:14 AM



#16
 Acetone
 Concen: 101.38 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. -0.01 min
 Lab File: VX002346.D
 Acq: 06 Jun 2018 12:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.5	22.1	33.1





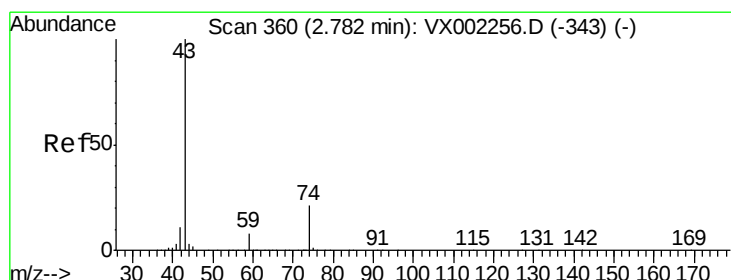
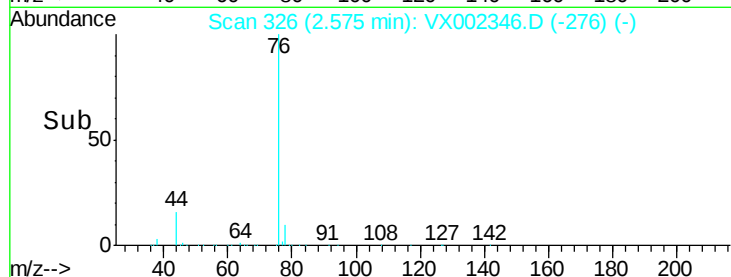
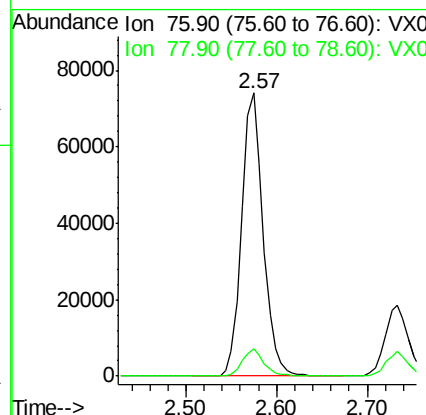
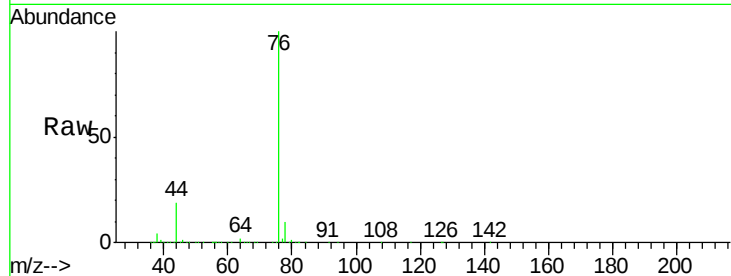
#17
Carbon Disulfide
Concen: 16.22 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0606WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	6.9	10.3

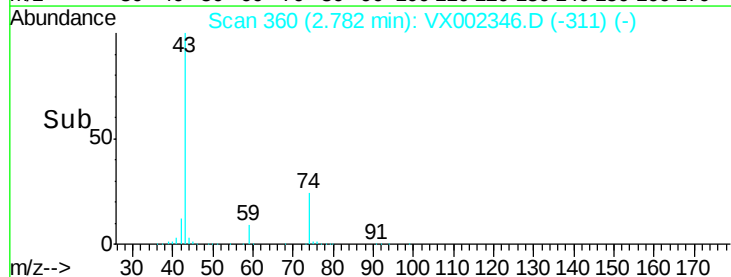
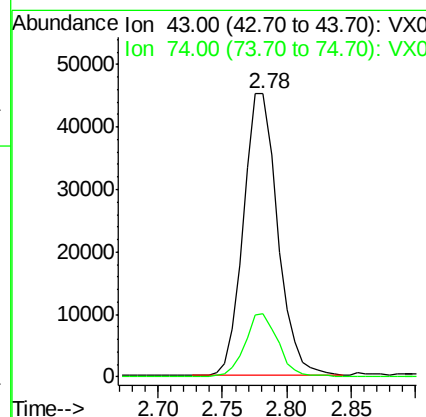
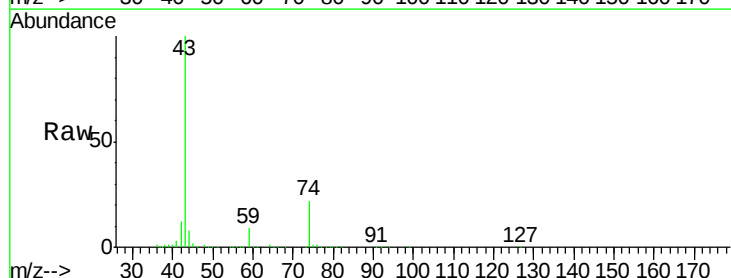
Manual Integrations
APPROVED

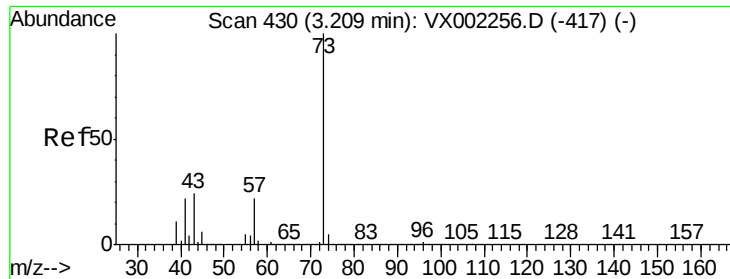
MMDadoda
6/7/2018 11:36:14 AM



#18
Methyl Acetate
Concen: 19.99 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	16.7	25.1





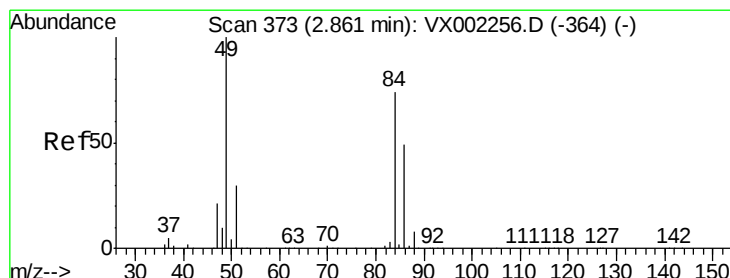
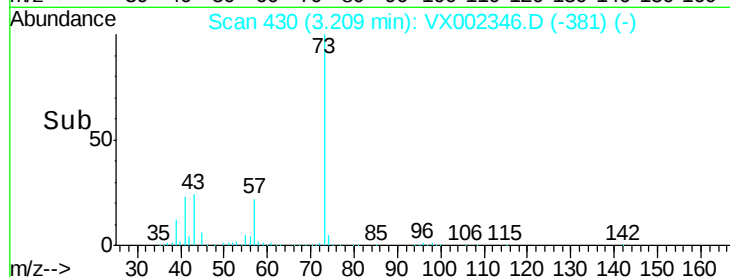
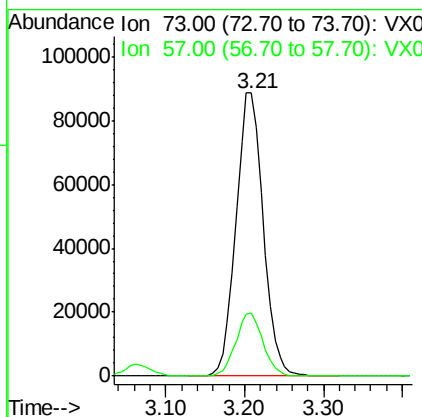
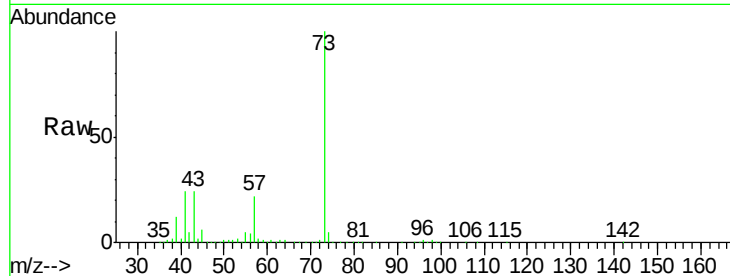
#19
Methvl tert-butvl Ether
Concen: 19.97 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0606WBSD01

Tot Ion: 73 Resp: 212707
Ion Ratio Lower Upper
73 100
57 22.2 17.7 26.5

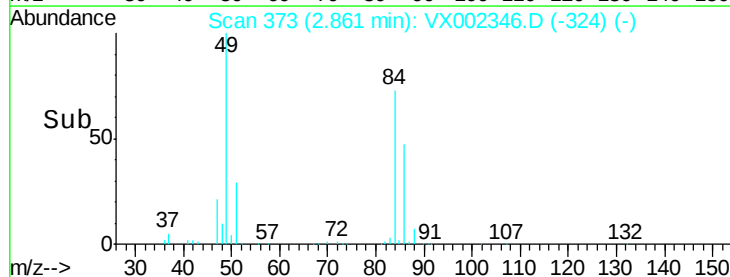
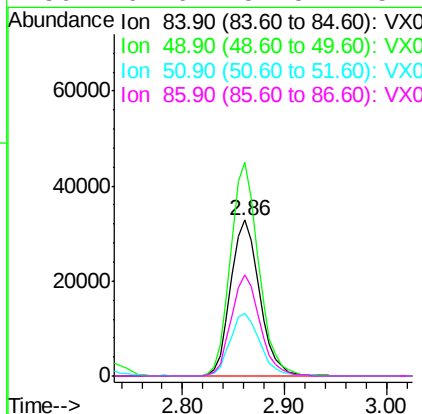
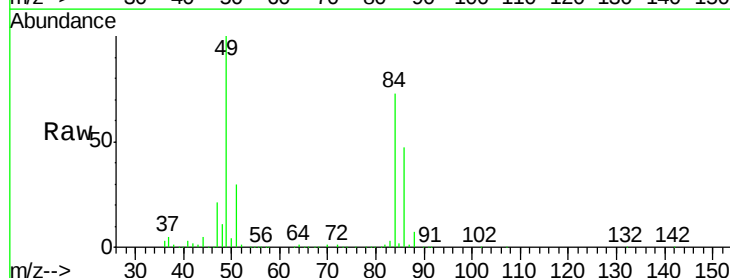
Manual Integrations
APPROVED

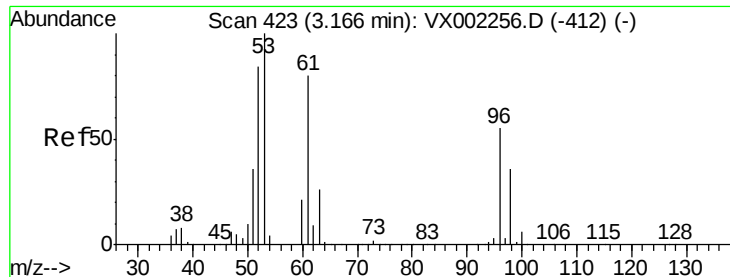
MMDadoda
6/7/2018 11:36:14 AM



#20
Methylene Chloride
Concen: 19.63 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Tgt Ion: 84 Resp: 64593
Ion Ratio Lower Upper
84 100
49 137.0 107.8 161.6
51 40.3 32.8 49.2
86 64.6 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 18.55 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0606WBSD01

Tot Ion: 96 Resp: 58358

Ion Ratio Lower Upper

96 100

61 145.8 117.0 175.4

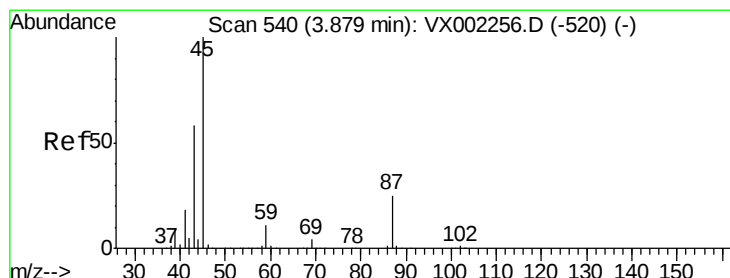
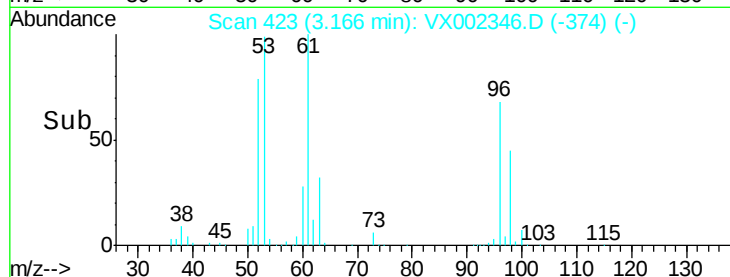
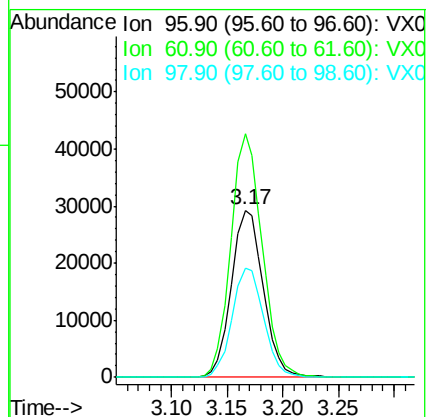
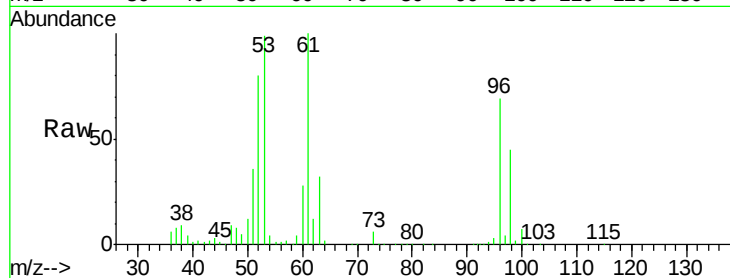
98 65.5 52.4 78.6

Manual Integrations

APPROVED

MMDadoda

6/7/2018 11:36:14 AM



#22

Diisopropyl ether

Concen: 20.92 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

Tgt Ion: 45 Resp: 225348

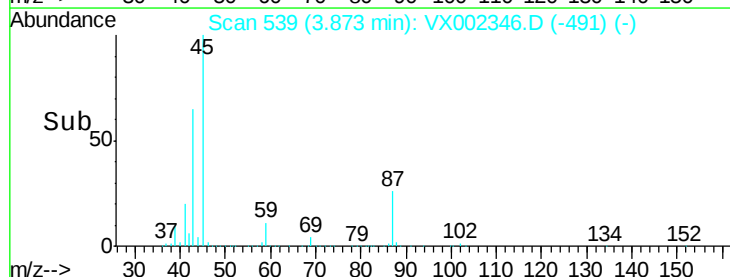
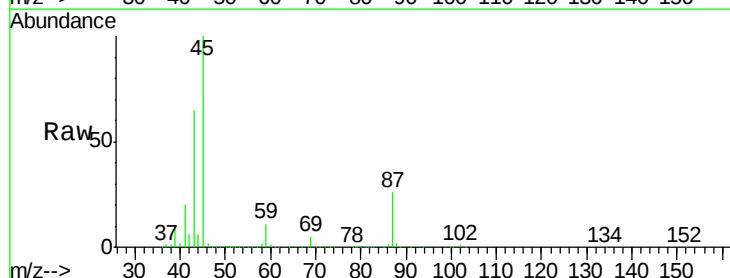
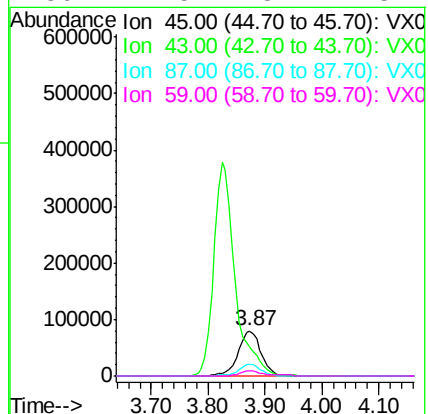
Ion Ratio Lower Upper

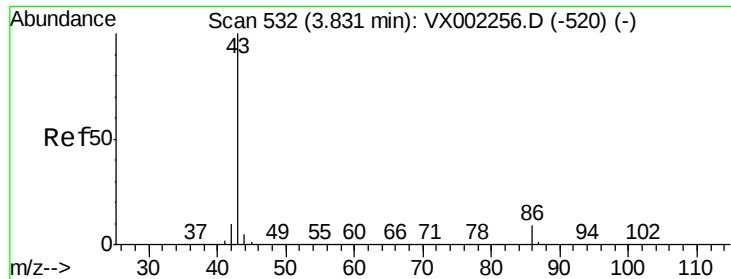
45 100

43 64.9 46.8 70.2

87 26.4 20.2 30.4

59 11.5 8.7 13.1





#23

Vinyl Acetate

Concen: 98.03 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0606WBSD01

Tot Ion: 43 Resp: 984143

Ion Ratio Lower Upper

43 100

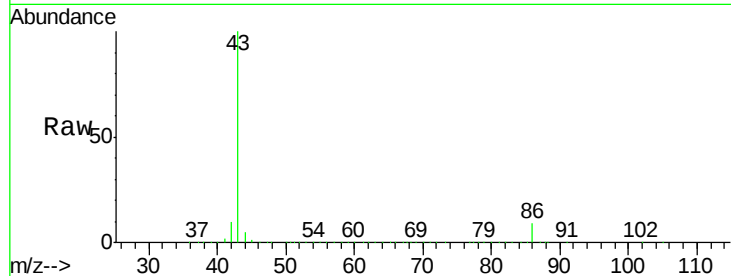
86 9.2 7.4 11.0

Manual Integrations

APPROVED

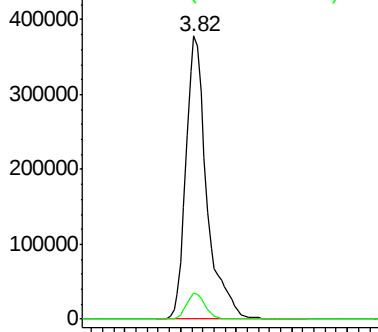
MMDadoda

6/7/2018 11:36:14 AM

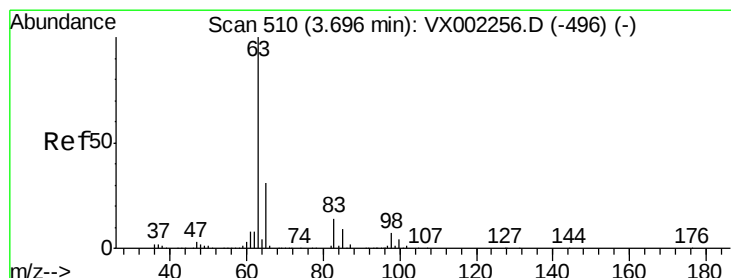
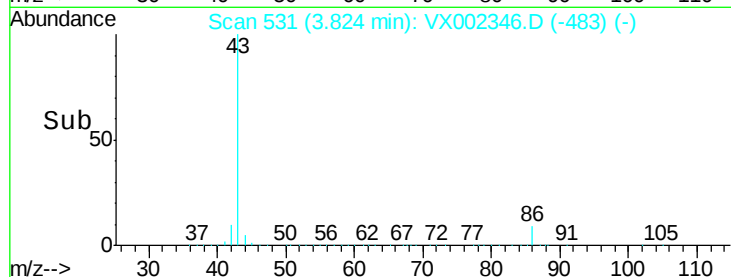


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 19.15 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

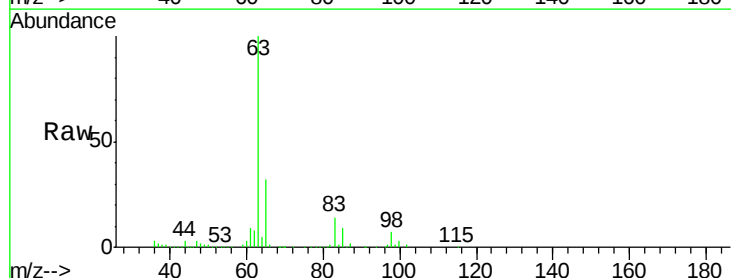
Tgt Ion: 63 Resp: 117201

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

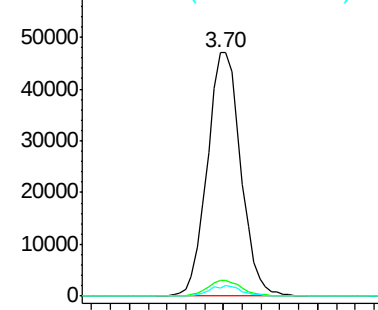
100 3.5 2.0 6.0



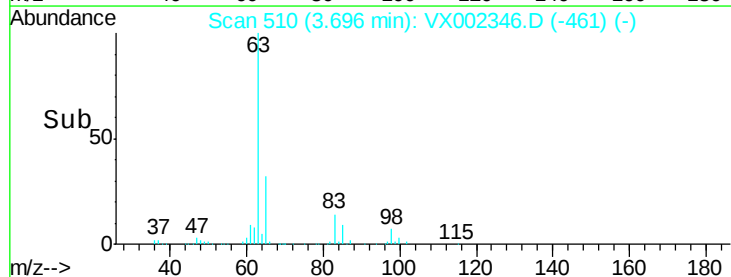
Abundance Ion 62.90 (62.60 to 63.60): VX0

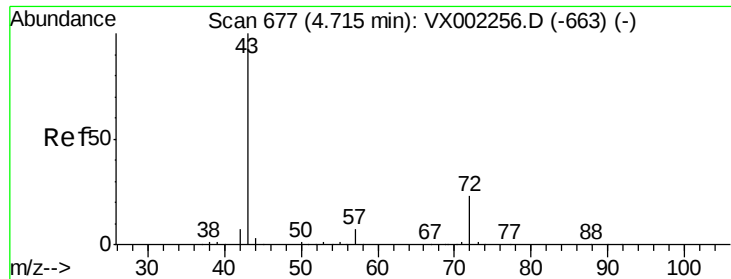
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 88.15 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0606WBSD01

Tot Ion: 43 Resp: 231681

Ion Ratio Lower Upper

43 100

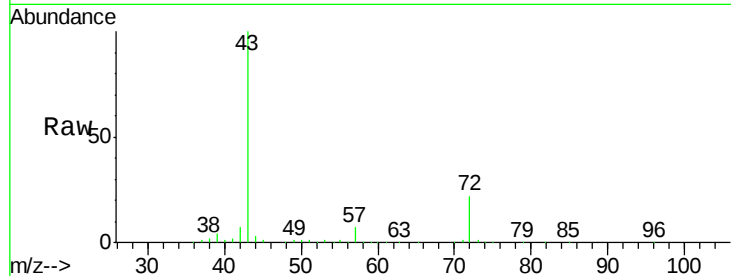
72 22.1 18.5 27.7

Manual Integrations

APPROVED

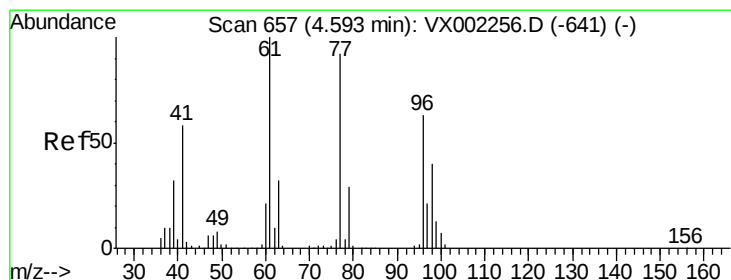
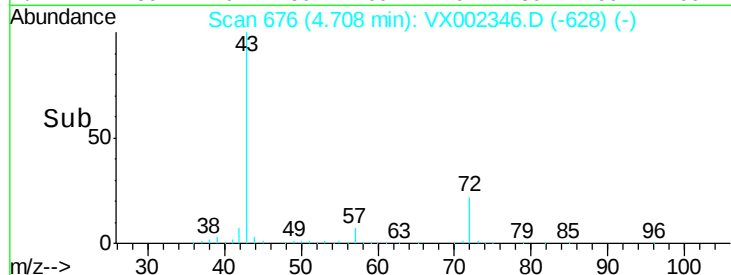
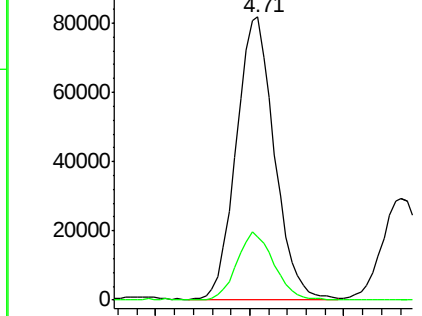
MMDadoda

6/7/2018 11:36:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 16.27 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002346.D

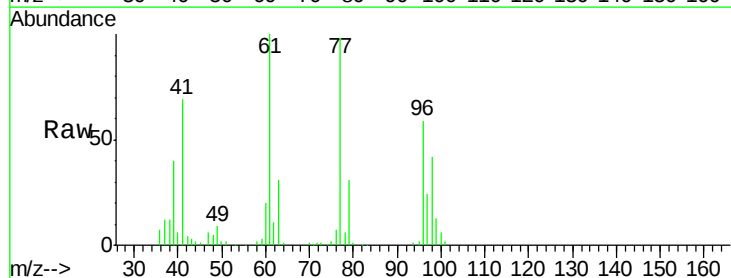
Acq: 06 Jun 2018 12:23

Tgt Ion: 77 Resp: 77836

Ion Ratio Lower Upper

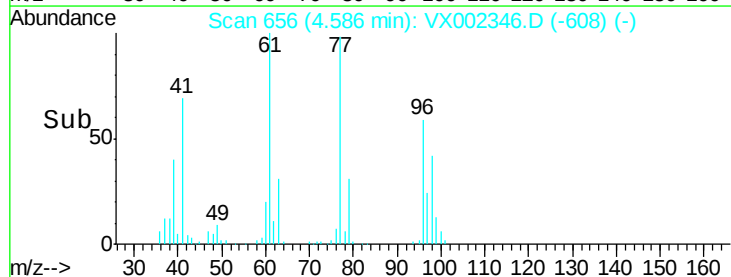
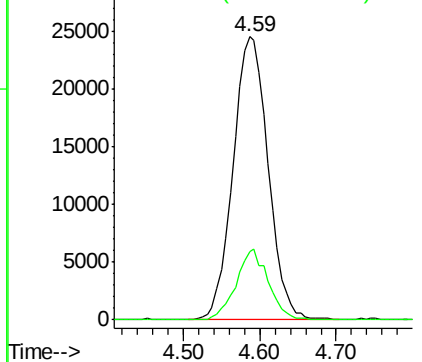
77 100

97 22.9 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 17.07 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

Instrument :

MSVOA_X

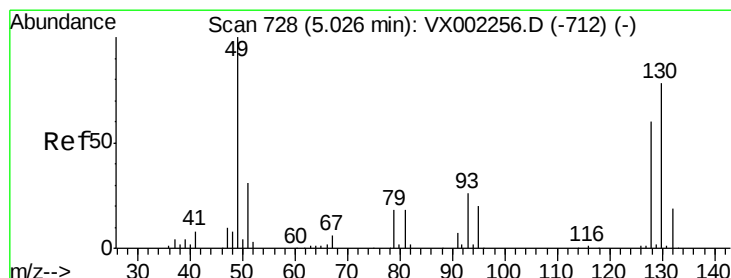
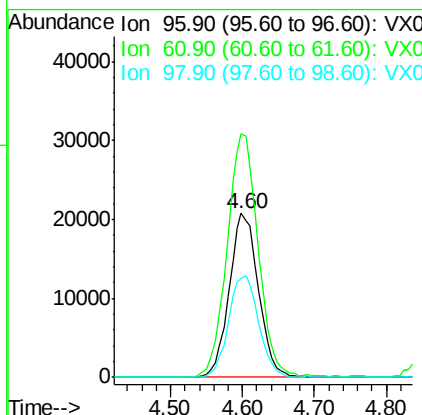
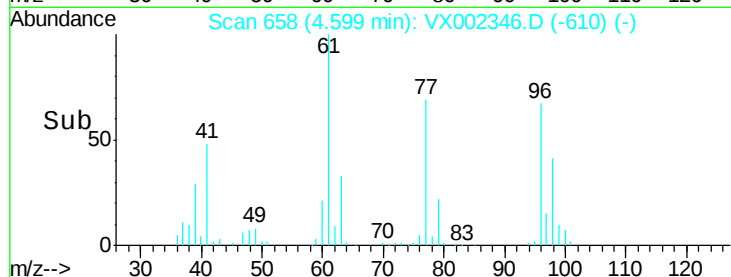
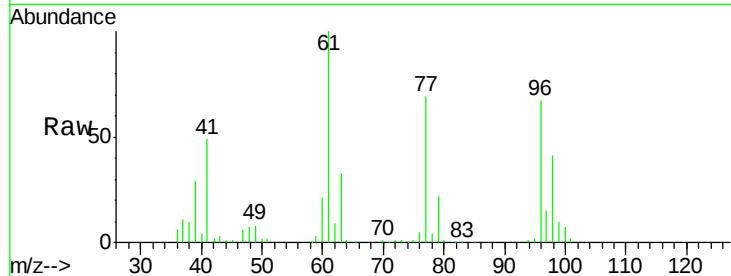
ClientSampled :

VX0606WBSD01

Tot Ion:	96	Resp:	58426
Ion	Ratio	Lower	Upper
96	100		
61	157.3	0.0	330.2
98	64.1	0.0	130.2

Manual Integrations
APPROVED

MMDadoda
6/7/2018 11:36:14 AM



#28

Bromochloromethane

Concen: 20.19 ug/l

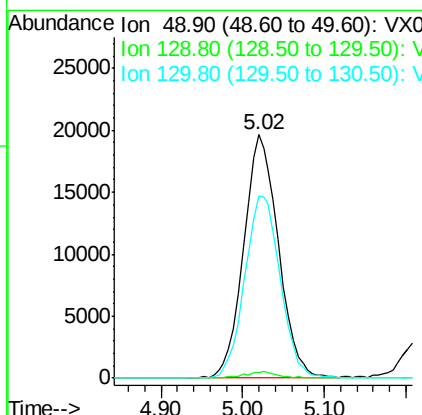
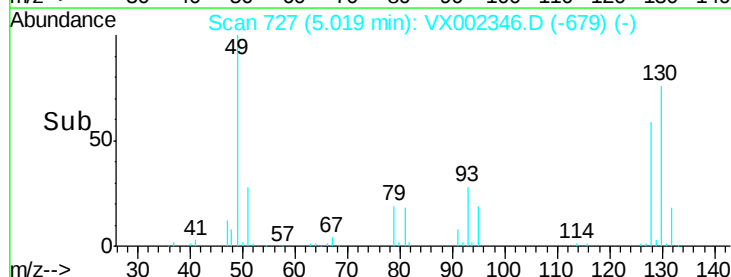
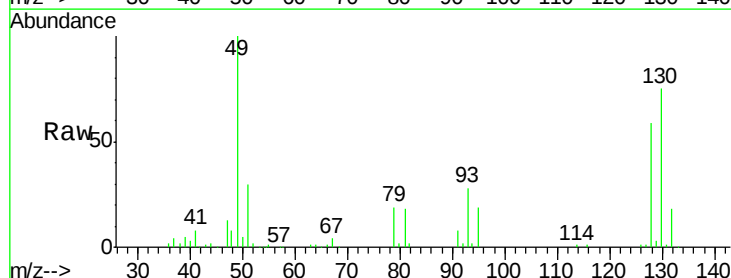
RT: 5.02 min Scan# 727

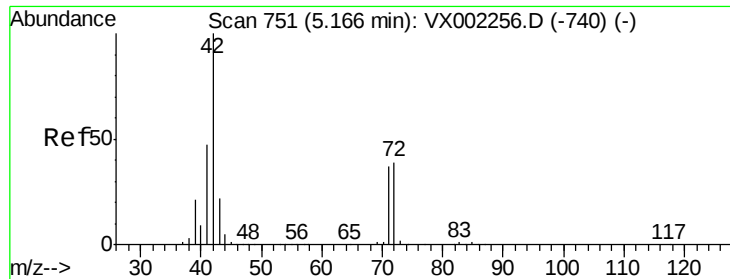
Delta R.T. -0.01 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

Tgt Ion:	49	Resp:	58087
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.2
130	76.6	61.2	91.8





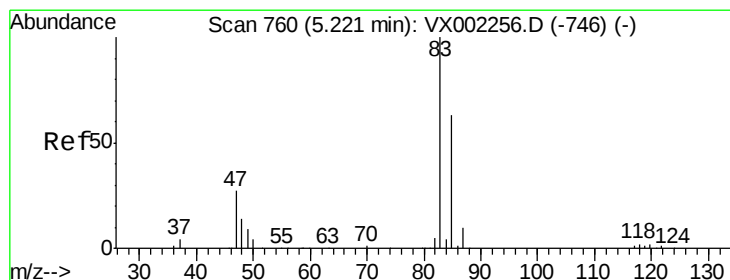
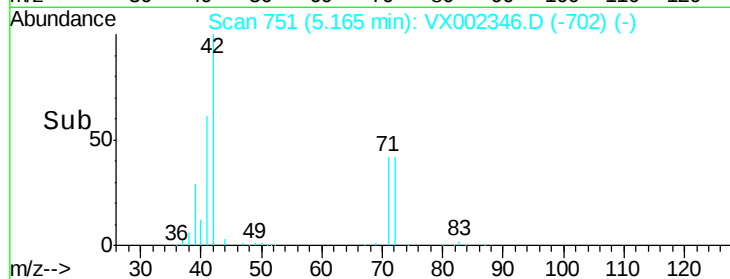
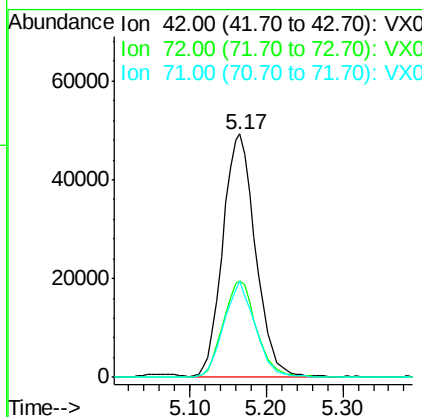
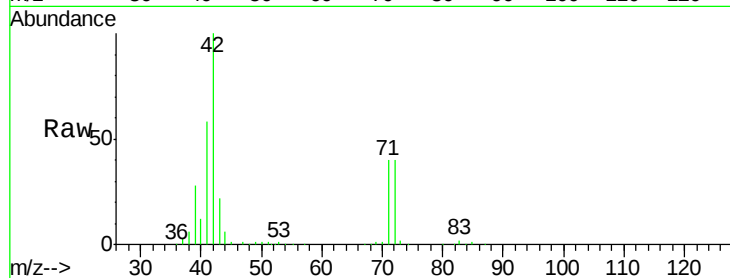
#29
Tetrahydrofuran
Concen: 85.45 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0606WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.0	48.0
71	38.0	30.1	45.1

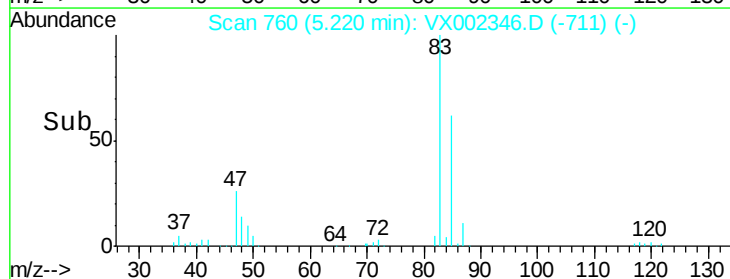
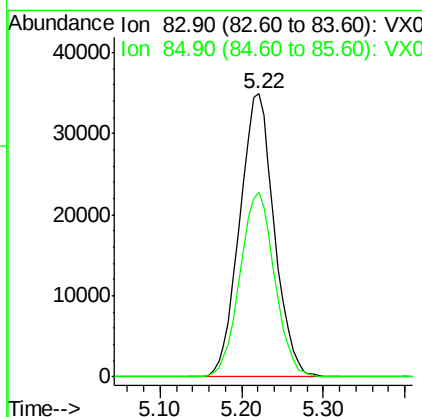
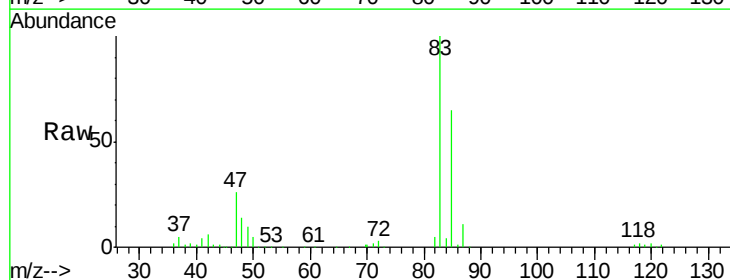
Manual Integrations
APPROVED

MMDadoda
6/7/2018 11:36:14 AM



#30
Chloroform
Concen: 17.40 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.4	75.6





#31

Cyclohexane

Concen: 18.76 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

Instrument :

MSVOA_X

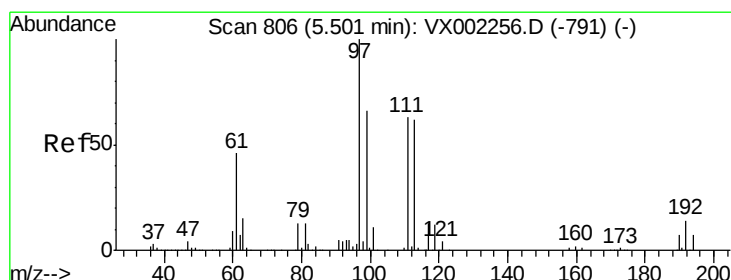
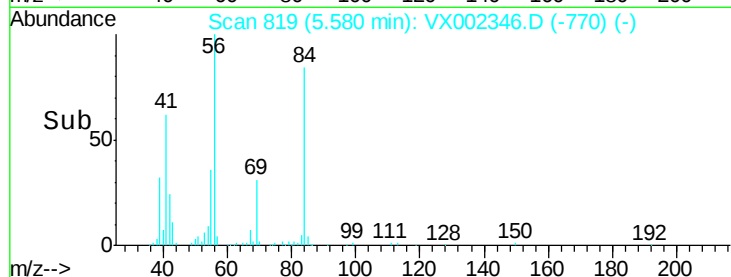
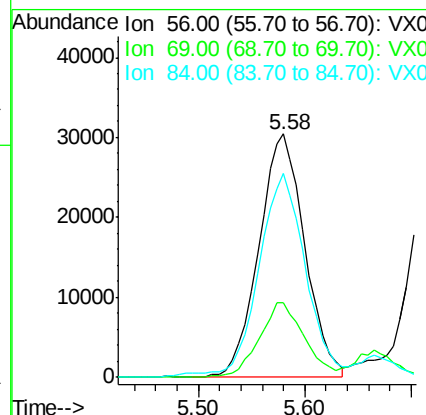
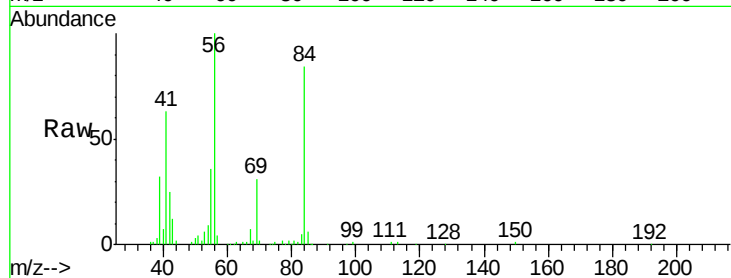
ClientSampled :

VX0606WBSD01

Tot Ion:	56	Resp:	90795
Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.7	35.5
84	82.0	64.1	96.1

Manual Integrations
APPROVED

MMDadoda
6/7/2018 11:36:14 AM



#32

1,1,1-Trichloroethane

Concen: 17.44 ug/l

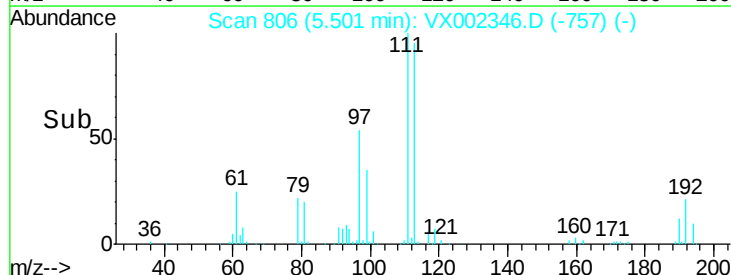
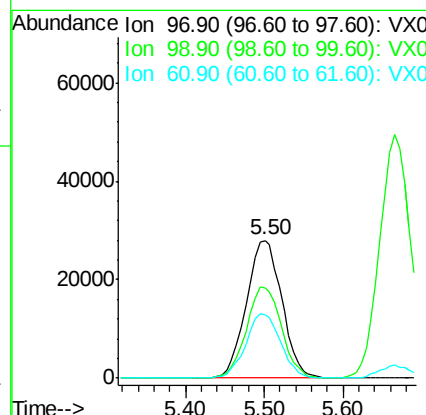
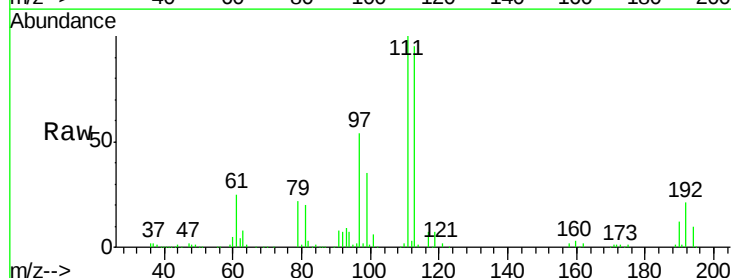
RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

Tgt Ion:	97	Resp:	87352
Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.6	77.4
61	46.0	36.4	54.6





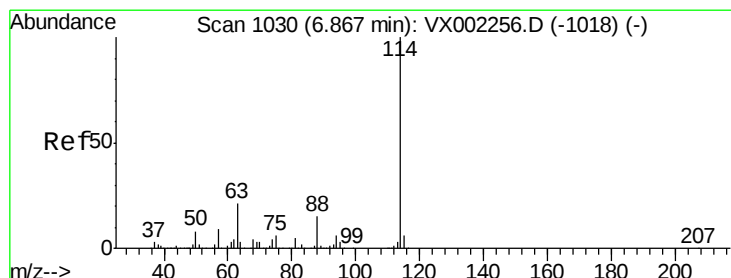
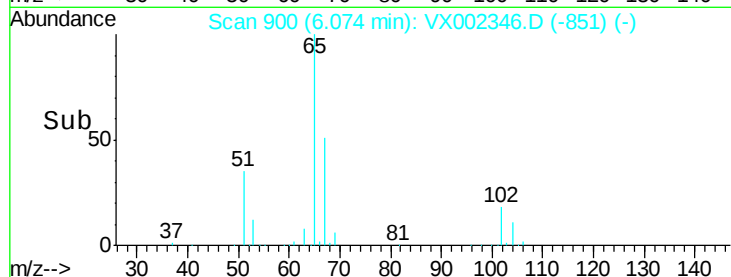
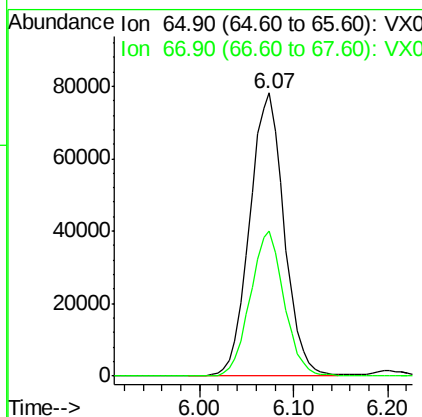
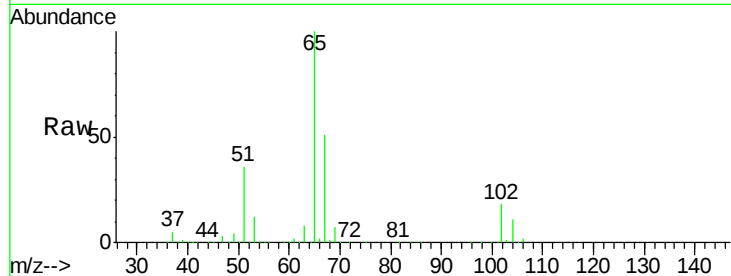
#33
 1,2-Dichloroethane-d4
 Concen: 52.23 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002346.D
 Acq: 06 Jun 2018 12:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0606WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	199622		
67	50.6	0.0	102.6	

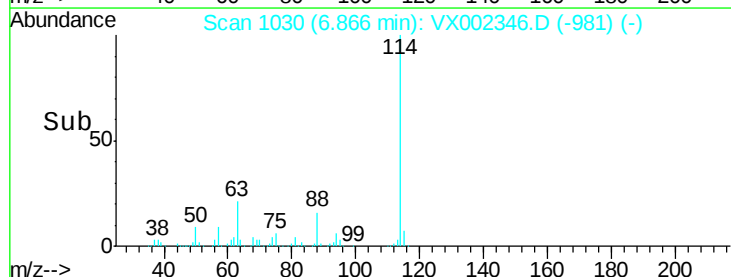
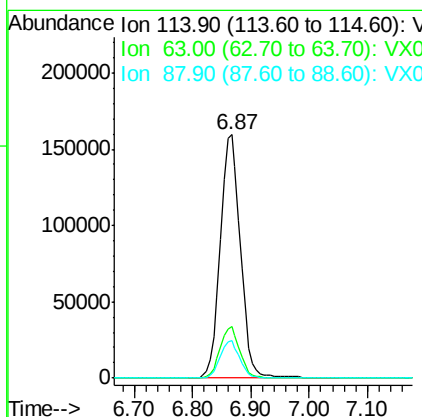
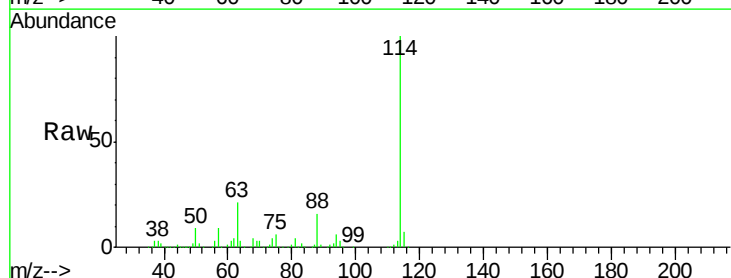
Manual Integrations
 APPROVED

MMDadoda
 6/7/2018 11:36:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002346.D
 Acq: 06 Jun 2018 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	383663		
63	21.2	0.0	41.4	
88	15.5	0.0	30.0	





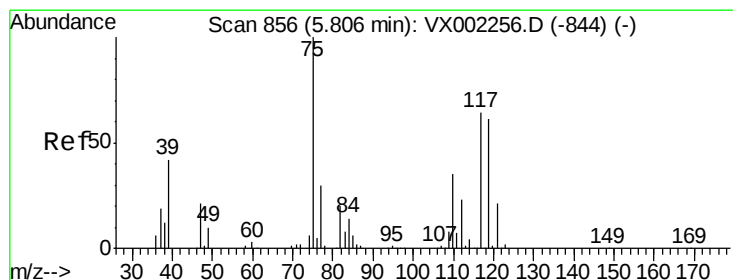
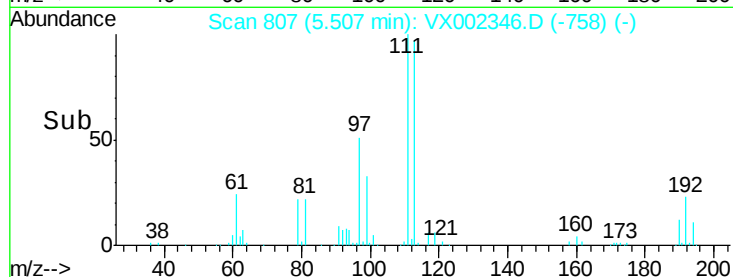
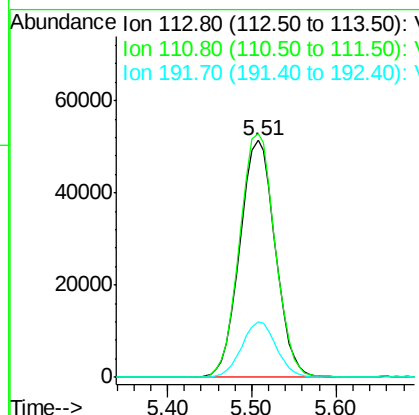
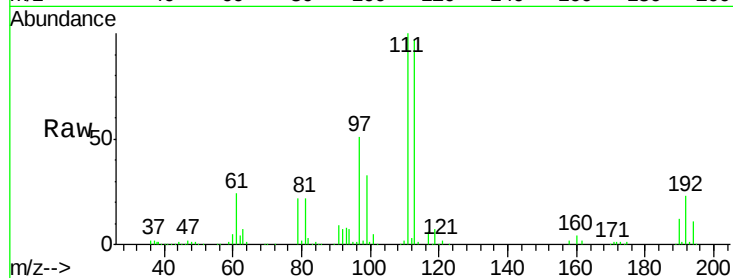
#35
Dibromofluoromethane
Concen: 48.54 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Instrument :
MSVOA_X
ClientSampled :
VX0606WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	146441		
111	102.9	81.4	122.0	
192	23.0	19.1	28.7	

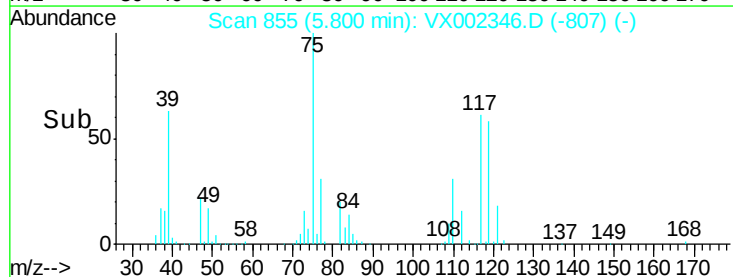
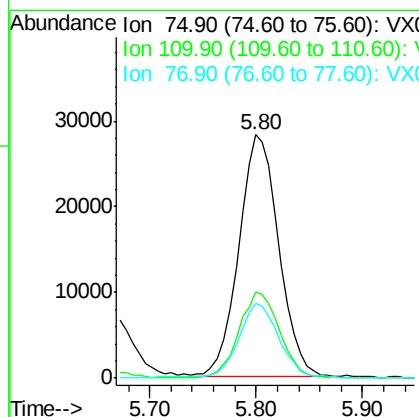
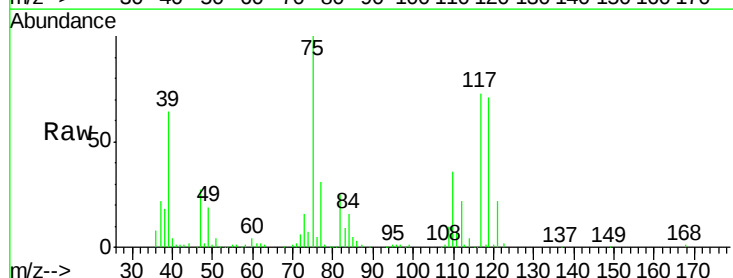
Manual Integrations
APPROVED

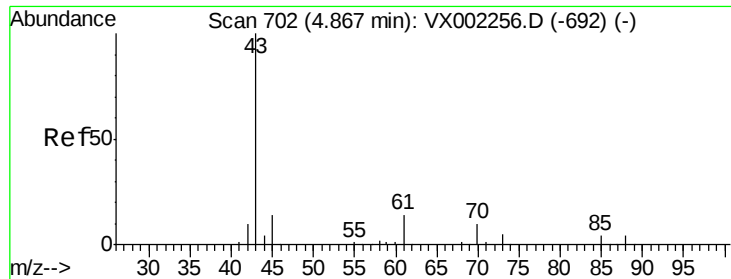
MMDadoda
6/7/2018 11:36:14 AM



#36
1,1-Dichloropropene
Concen: 18.37 ug/l
RT: 5.80 min Scan# 856
Delta R.T. -0.01 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	74074		
110	36.6	18.1	54.4	
77	30.8	24.3	36.5	





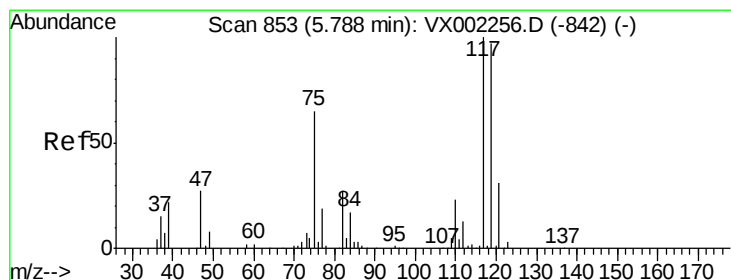
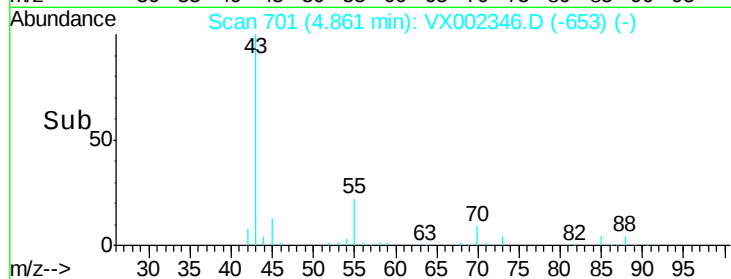
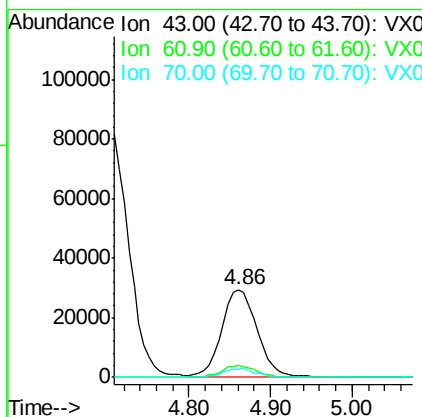
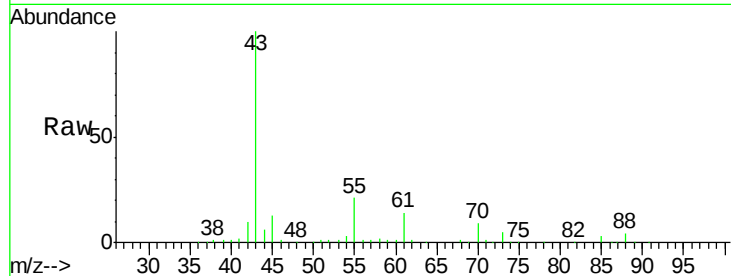
#37
Ethyl Acetate
Concen: 18.21 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Instrument :
MSVOA_X
ClientSampled :
VX0606WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.4	15.6
70	9.4	7.6	11.4

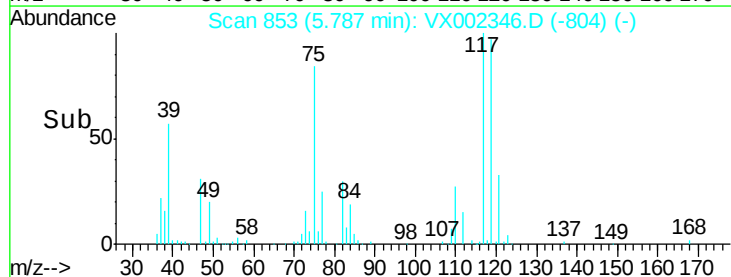
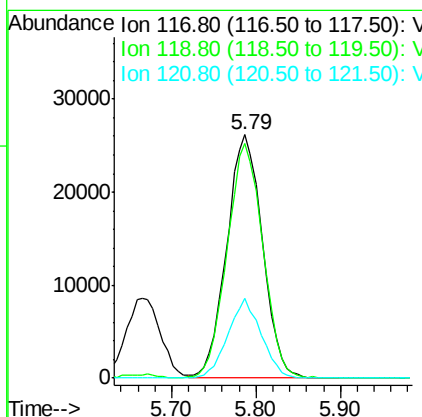
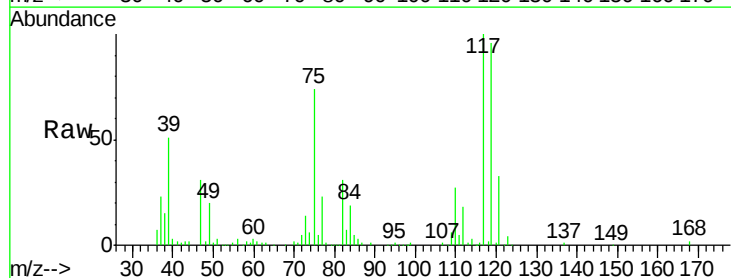
Manual Integrations
APPROVED

MMDadoda
6/7/2018 11:36:14 AM



#38
Carbon Tetrachloride
Concen: 17.86 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.4	116.0
121	32.6	24.4	36.6





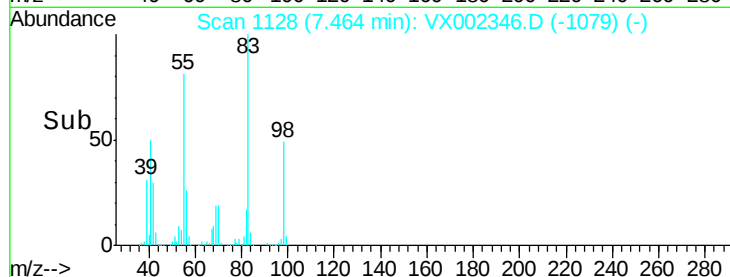
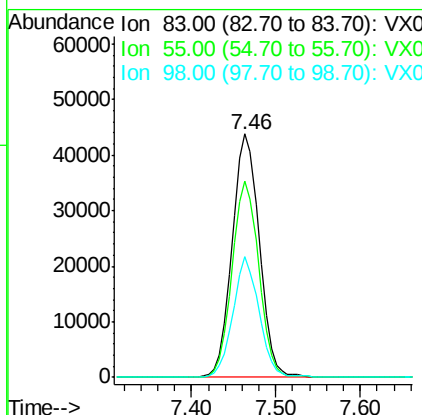
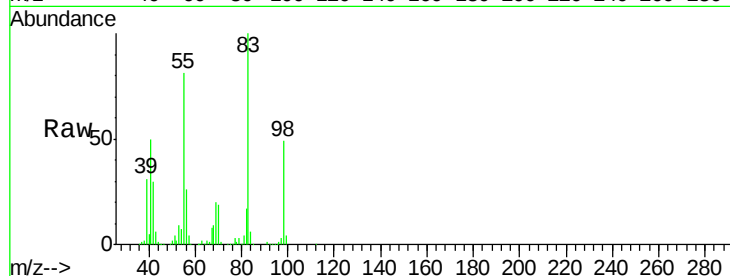
#39
Methvlcvclohexane
Concen: 19.33 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0606WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.5	65.4	98.0
98	49.3	37.4	56.0

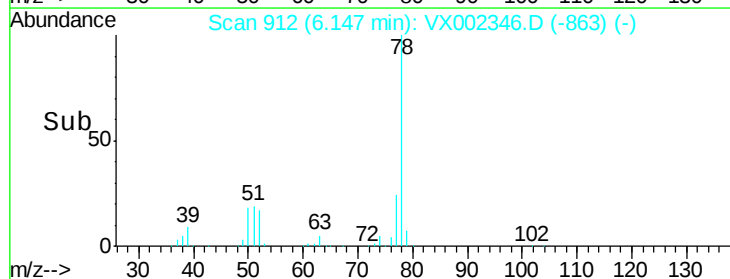
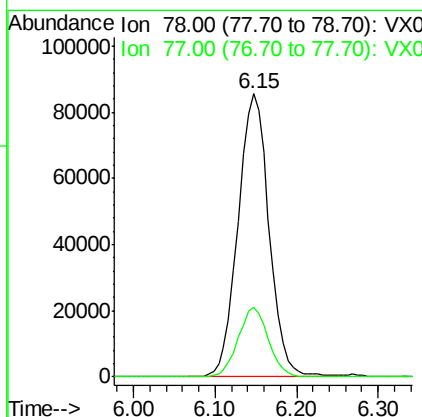
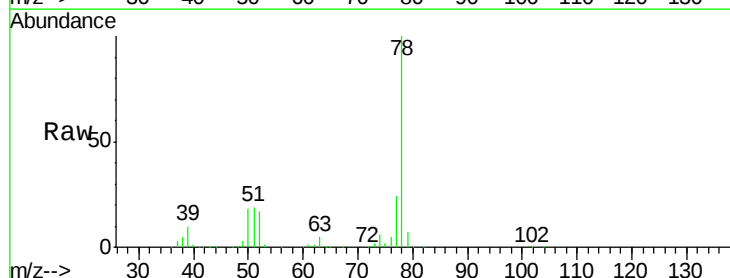
Manual Integrations
APPROVED

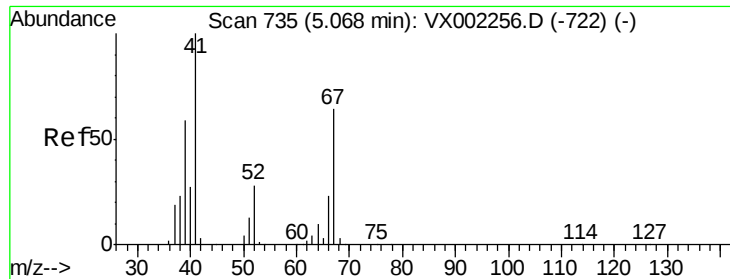
MMDadoda
6/7/2018 11:36:14 AM



#40
Benzene
Concen: 18.25 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.1	28.7





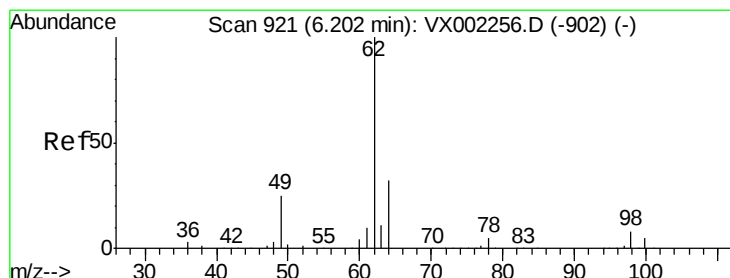
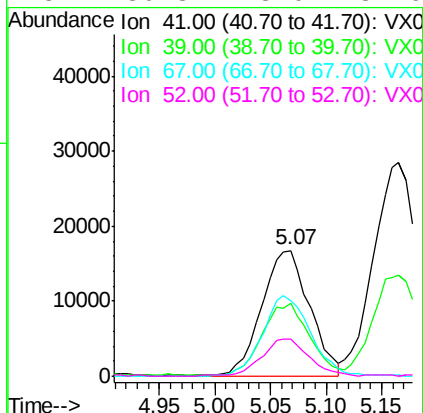
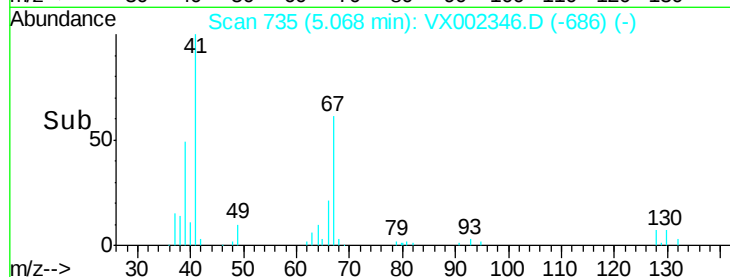
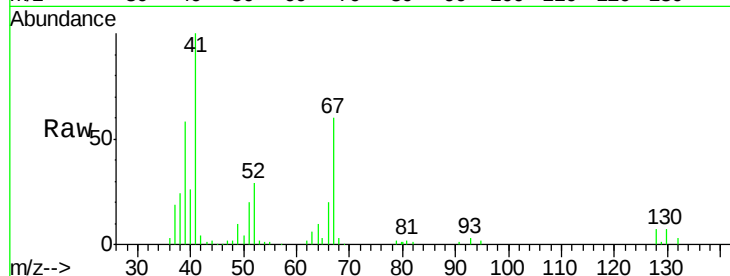
#41
Methacrylonitrile
Concen: 17.92 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Instrument :
MSVOA_X
ClientSampled :
VX0606WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.6	45.8	68.6
67	65.3	51.3	76.9
52	30.3	23.0	34.6

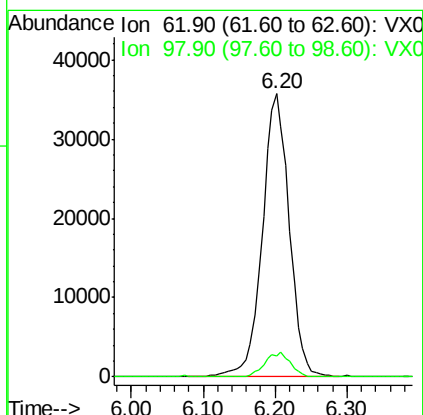
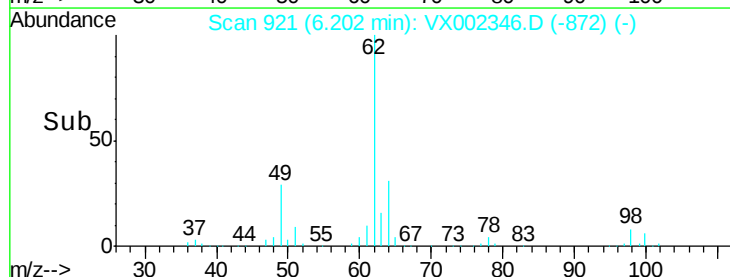
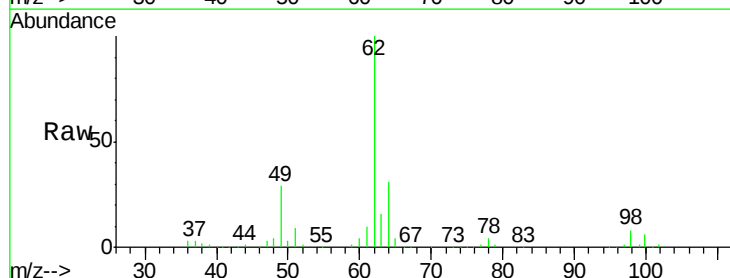
Manual Integrations
APPROVED

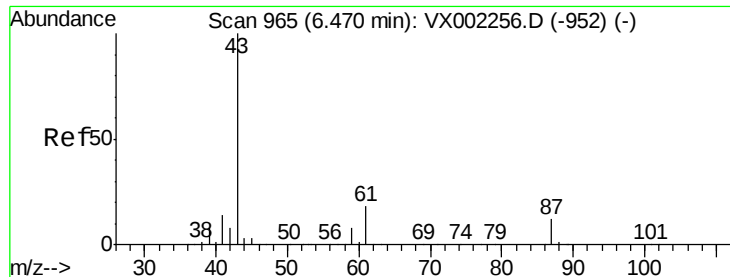
MMDadoda
6/7/2018 11:36:14 AM



#42
1,2-Dichloroethane
Concen: 18.89 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.6





#43

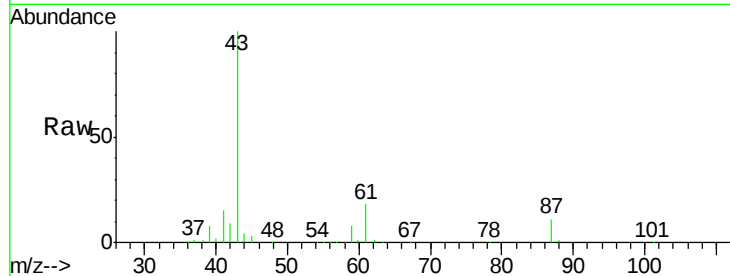
Isopropyl Acetate
 Concen: 17.77 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX002346.D
 Acq: 06 Jun 2018 12:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0606WBSD01

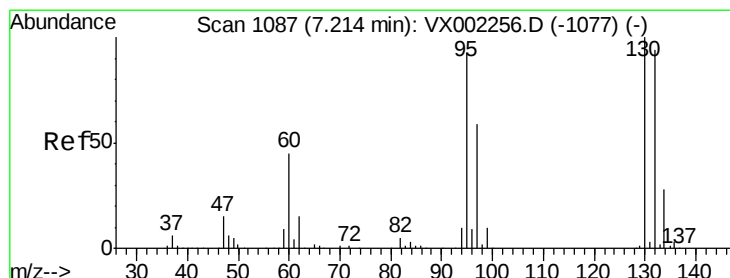
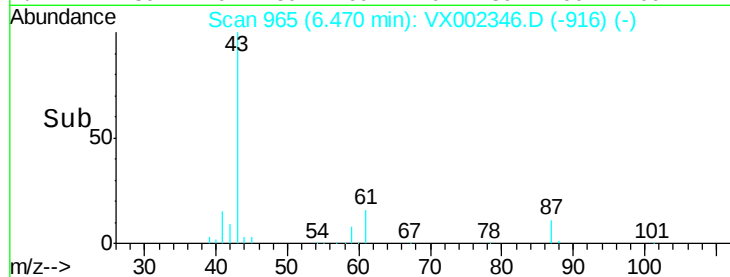
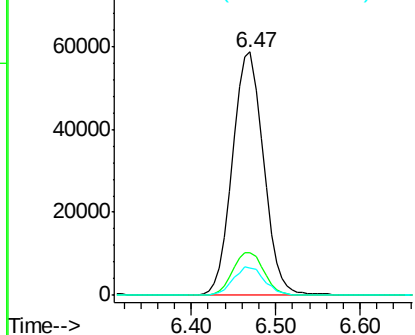
Tot Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.4	21.6
87	11.7	9.5	14.3

Manual Integrations
 APPROVED

MMDadoda
 6/7/2018 11:36:14 AM



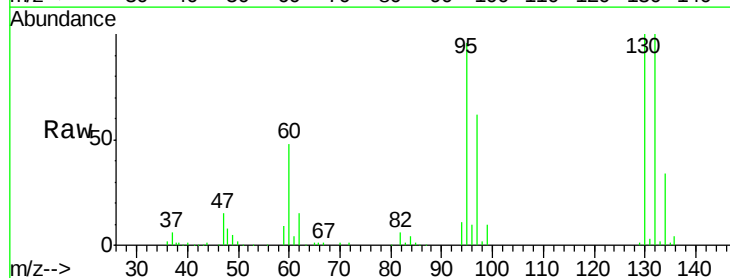
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



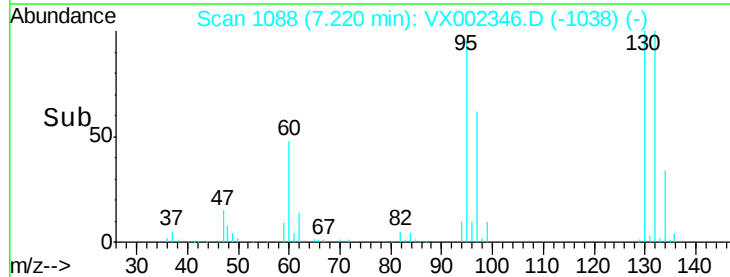
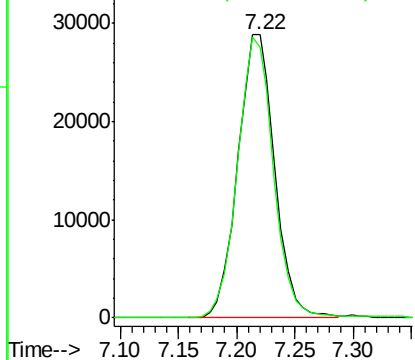
#44

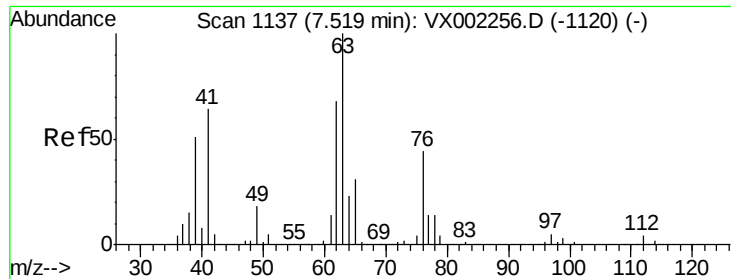
Trichloroethene
 Concen: 18.53 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX002346.D
 Acq: 06 Jun 2018 12:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	185.4



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 18.47 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0606WBSD01

Tot Ion: 63 Resp: 61659

Ion Ratio Lower Upper

63 100

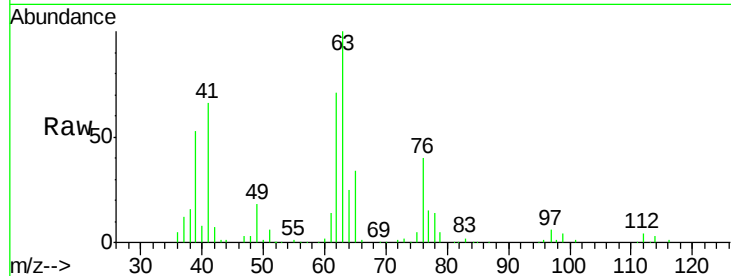
65 33.5 24.7 37.1

Manual Integrations

APPROVED

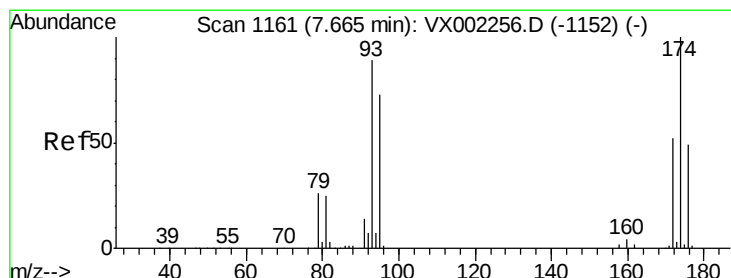
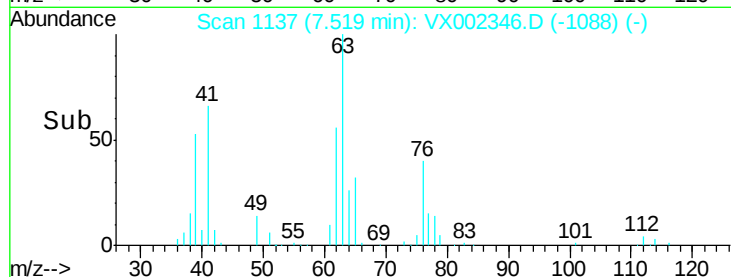
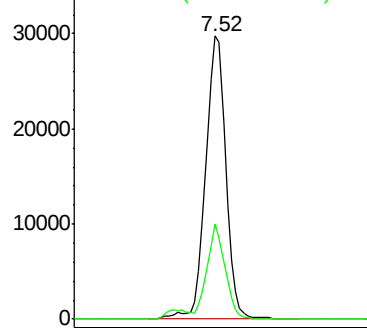
MMDadoda

6/7/2018 11:36:14 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.04 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

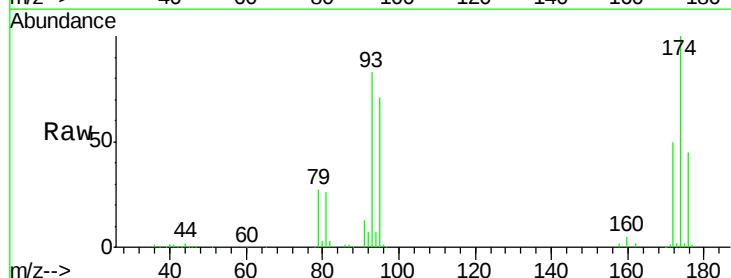
Tgt Ion: 93 Resp: 40821

Ion Ratio Lower Upper

93 100

95 84.0 65.9 98.9

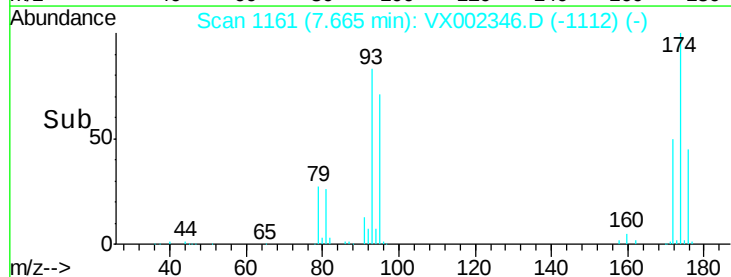
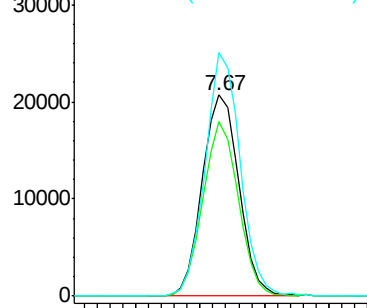
174 115.8 92.4 138.6

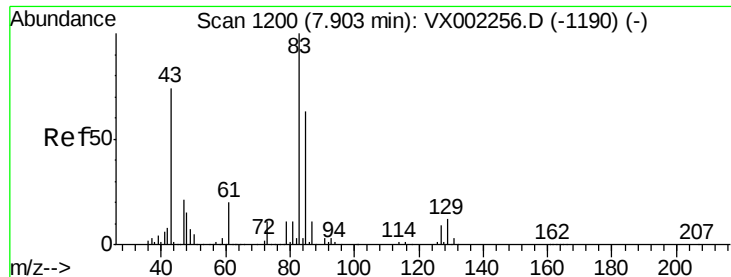


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 17.45 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

Instrument :

MSVOA_X

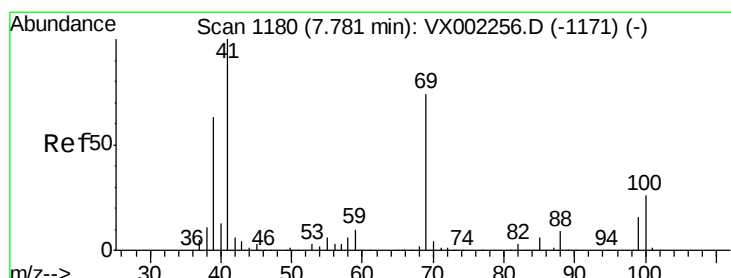
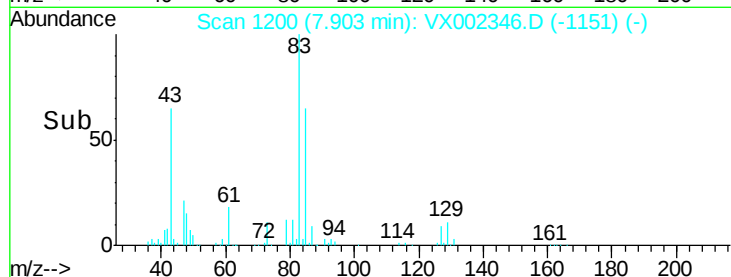
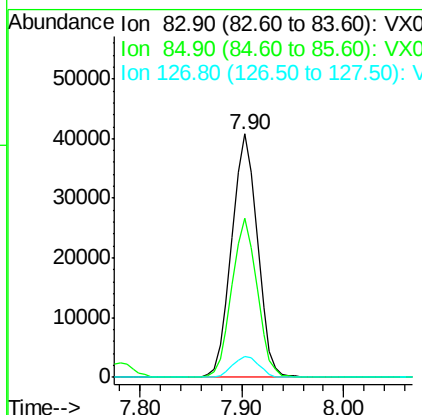
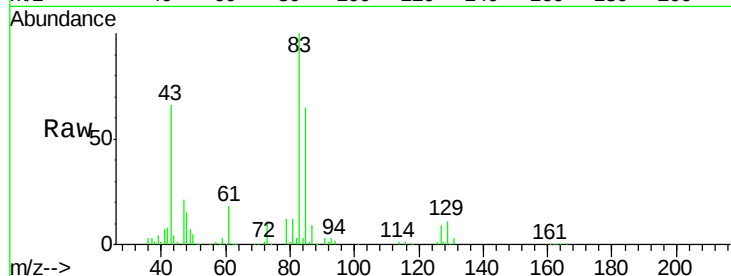
ClientSampleId :

VX0606WBSD01

Tot Ion:	83	Resp:	71438
Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.3	75.5
127	8.5	7.0	10.4

Manual Integrations
APPROVED

MMDadoda
6/7/2018 11:36:14 AM



#48

Methyl methacrylate

Concen: 17.94 ug/l

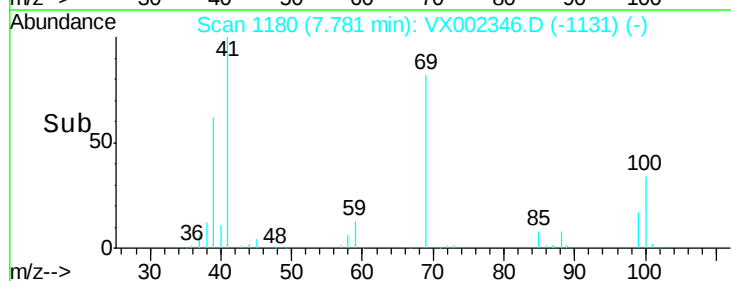
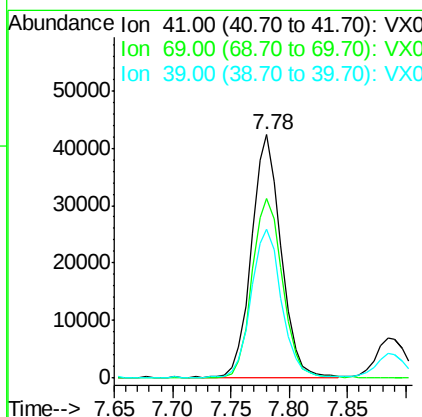
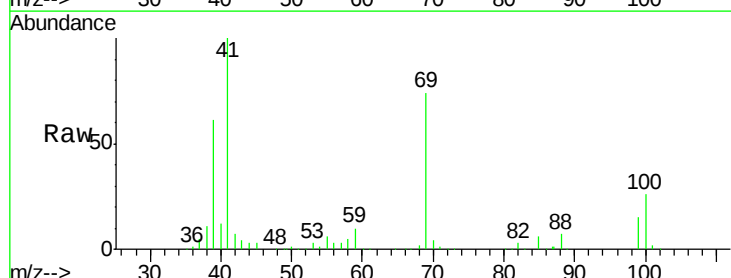
RT: 7.78 min Scan# 1180

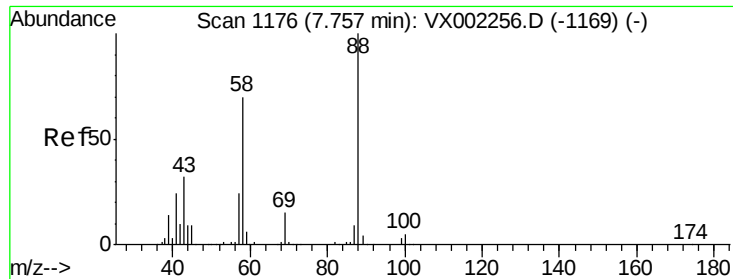
Delta R.T. -0.00 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

Tgt Ion:	41	Resp:	74261
Ion	Ratio	Lower	Upper
41	100		
69	77.3	59.1	88.7
39	63.2	48.9	73.3





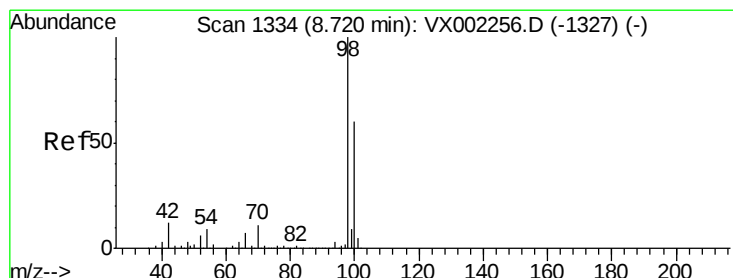
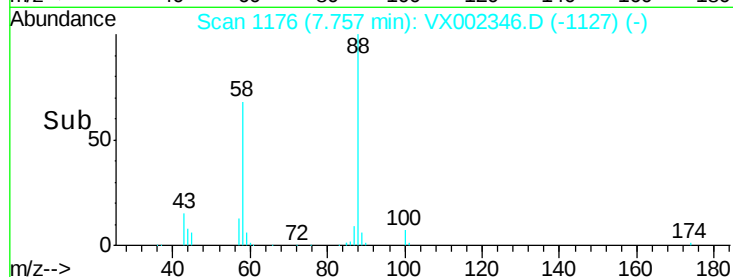
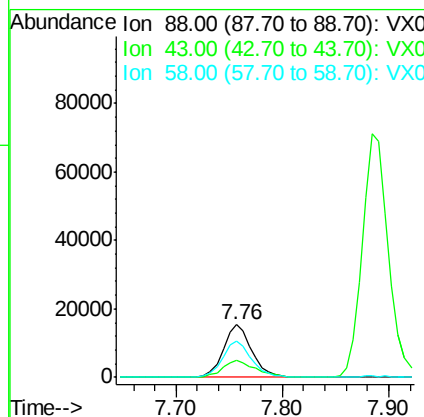
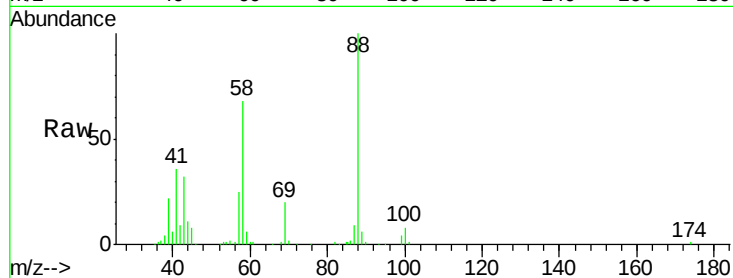
#49
1,4-Dioxane
Concen: 370.45 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0606WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	29.8	44.6
58	70.8	57.1	85.7

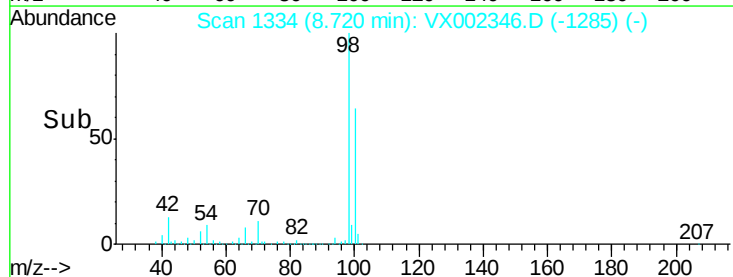
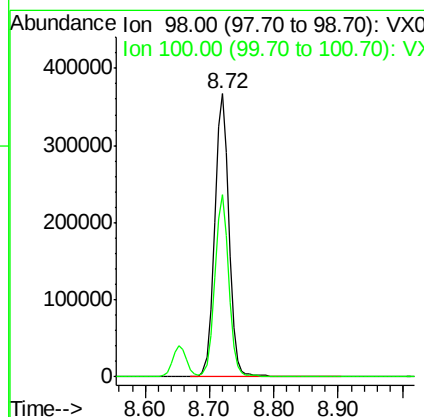
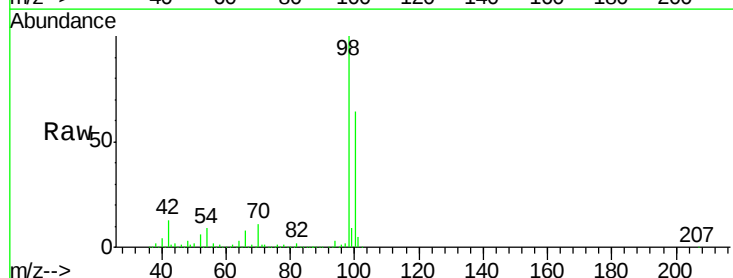
Manual Integrations
APPROVED

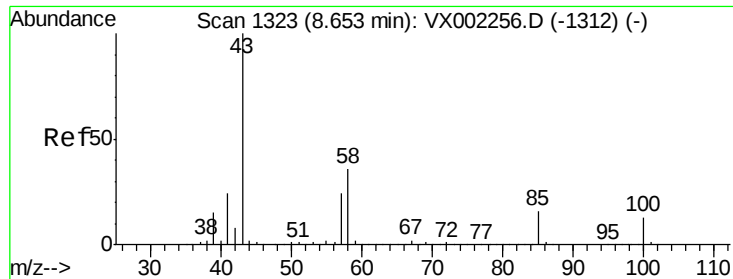
MMDadoda
6/7/2018 11:36:14 AM



#50
Toluene-d8
Concen: 49.77 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 92.81 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

Instrument :

MSVOA_X

ClientSampled :

VX0606WBSD01

Tot Ion: 43 Resp: 476183

Ion Ratio Lower Upper

43 100

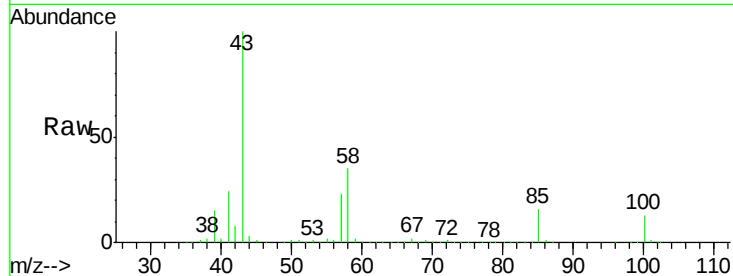
58 35.3 28.6 42.8

Manual Integrations

APPROVED

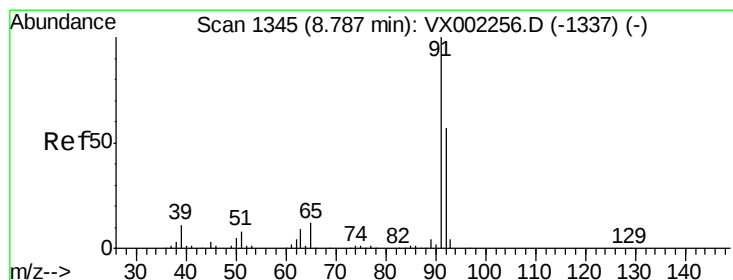
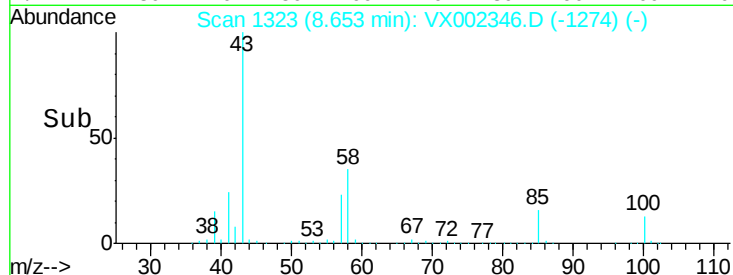
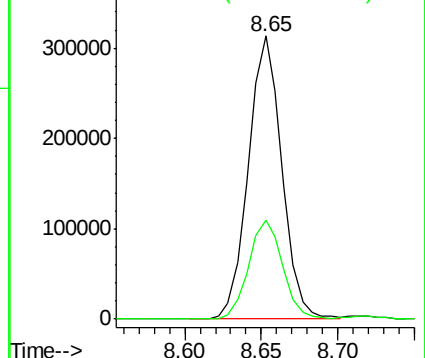
MMDadoda

6/7/2018 11:36:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 18.91 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002346.D

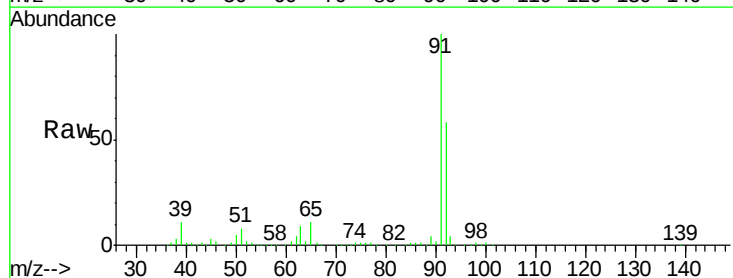
Acq: 06 Jun 2018 12:23

Tgt Ion: 92 Resp: 148775

Ion Ratio Lower Upper

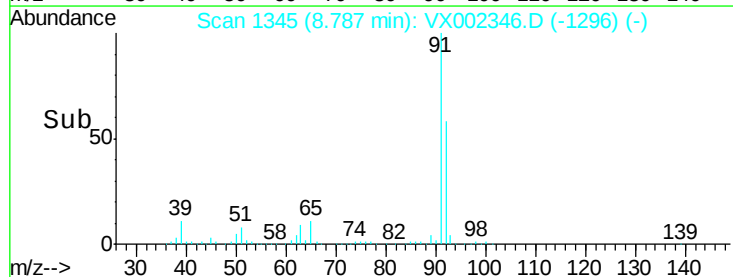
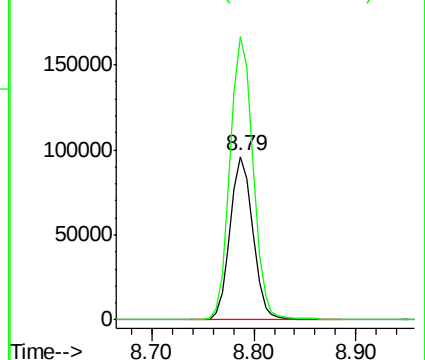
92 100

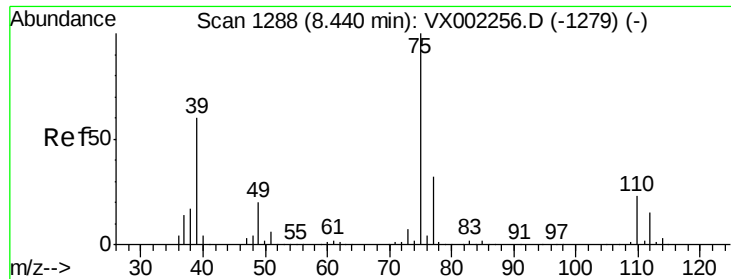
91 175.3 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





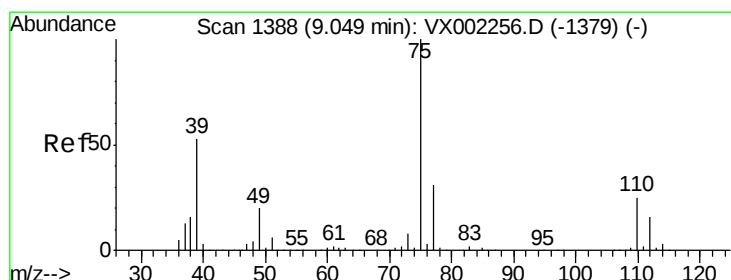
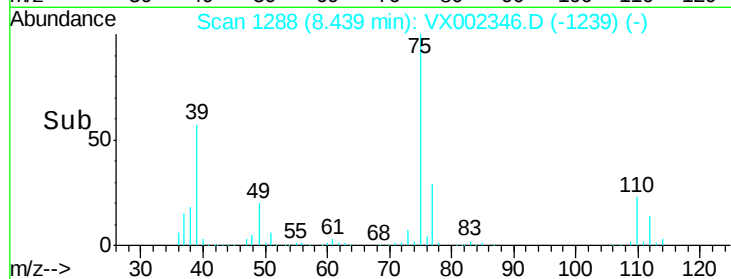
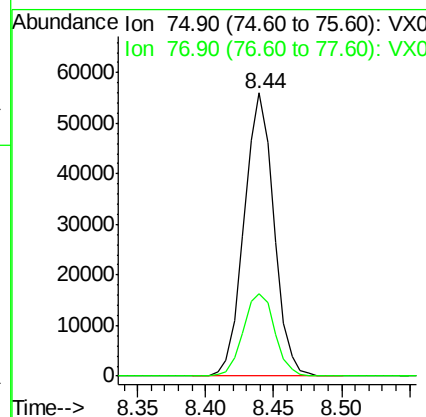
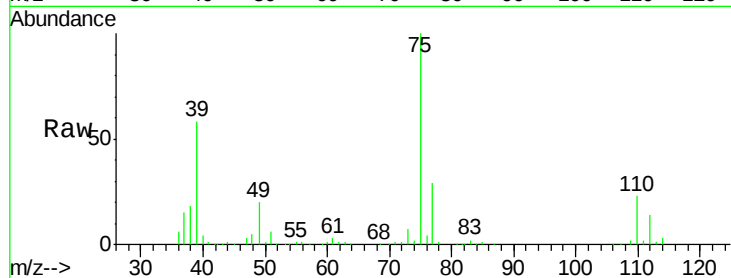
#53
t-1,3-Dichloropropene
Concen: 17.48 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0606WBSD01

Tot Ion: 75 Resp: 85828
Ion Ratio Lower Upper
75 100
77 29.2 25.4 38.2

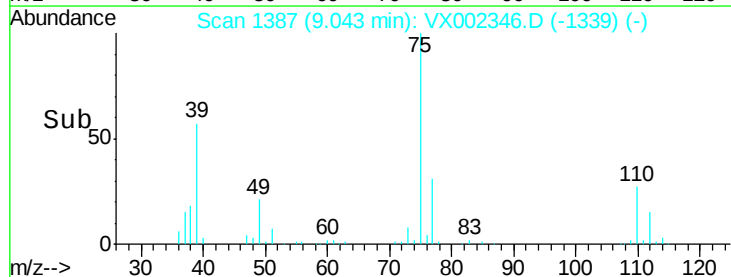
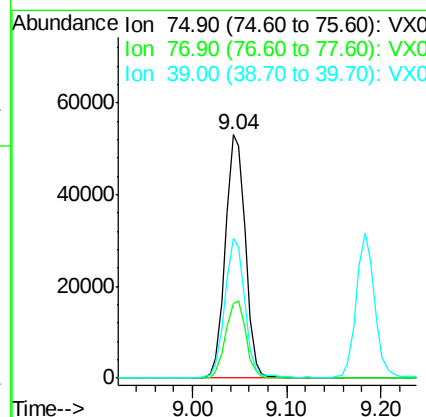
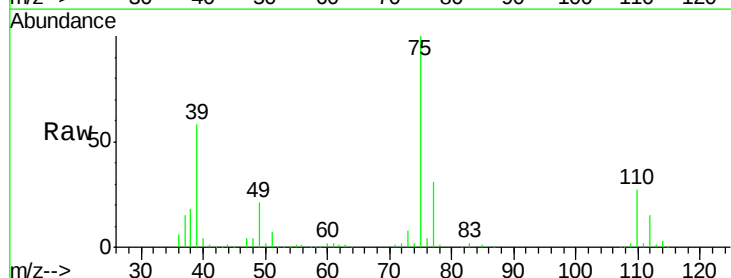
Manual Integrations
APPROVED

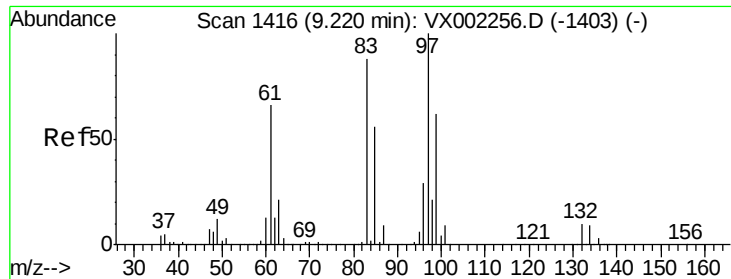
MMDadoda
6/7/2018 11:36:14 AM



#54
cis-1,3-Dichloropropene
Concen: 16.83 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Tgt Ion: 75 Resp: 77956
Ion Ratio Lower Upper
75 100
77 30.7 24.8 37.2
39 57.2 42.4 63.6





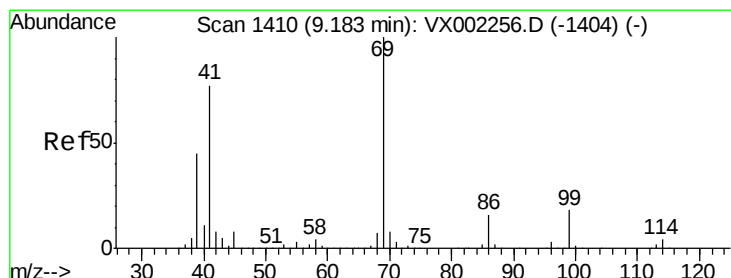
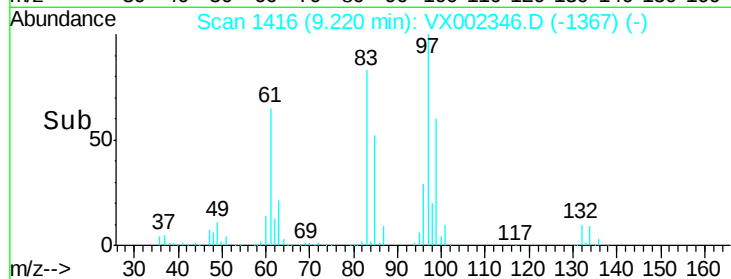
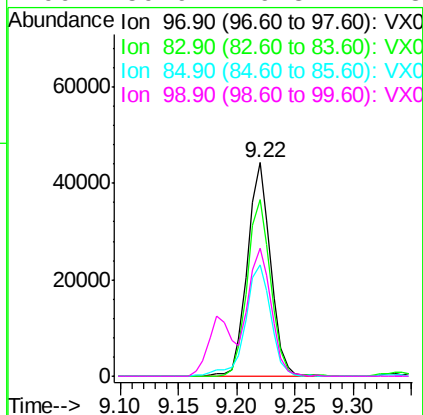
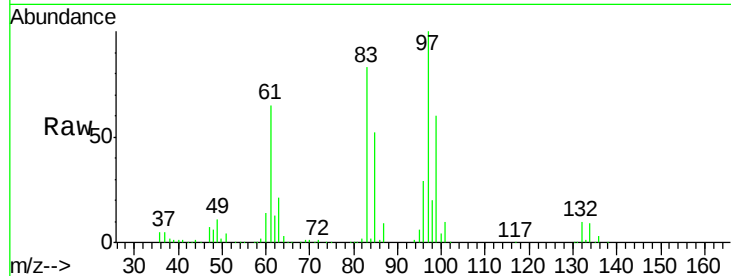
#55
 1,1,2-Trichloroethane
 Concen: 19.12 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002346.D
 Acq: 06 Jun 2018 12:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0606WBSD01

Tot Ion:	97	Resp:	61859
Ion	Ratio	Lower	Upper
97	100		
83	82.8	70.2	105.2
85	51.9	44.9	67.3
99	59.9	49.8	74.8

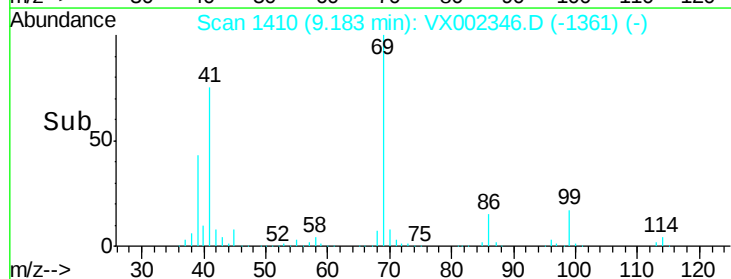
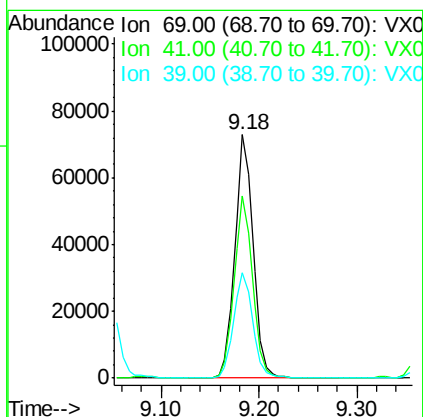
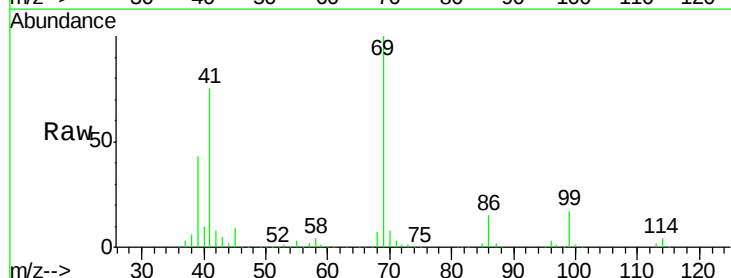
Manual Integrations
 APPROVED

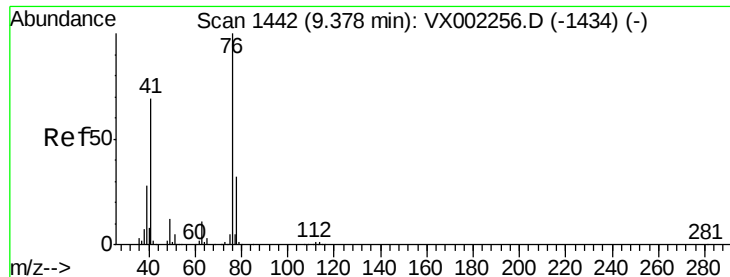
MMDadoda
 6/7/2018 11:36:14 AM



#56
 Ethyl methacrylate
 Concen: 18.41 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002346.D
 Acq: 06 Jun 2018 12:23

Tgt Ion:	69	Resp:	95060
Ion	Ratio	Lower	Upper
69	100		
41	74.6	60.3	90.5
39	44.5	35.8	53.8





#57

1,3-Dichloropropane

Concen: 18.71 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0606WBSD01

Tot Ion: 76 Resp: 101523

Ion Ratio Lower Upper

76 100

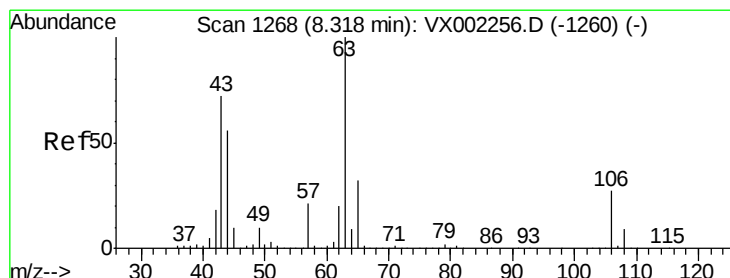
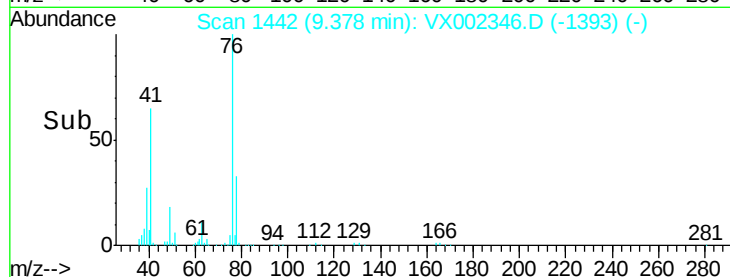
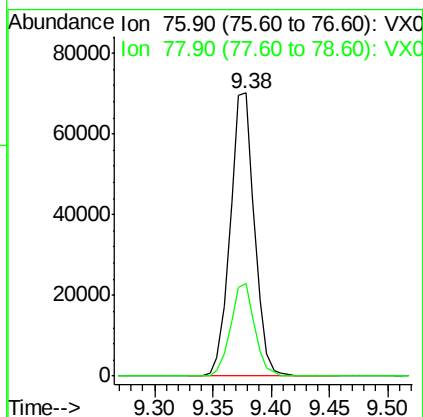
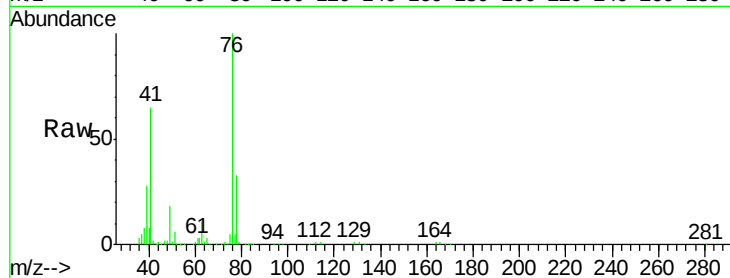
78 32.7 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

6/7/2018 11:36:14 AM



#58

2-Chloroethyl Vinyl ether

Concen: 94.83 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002346.D

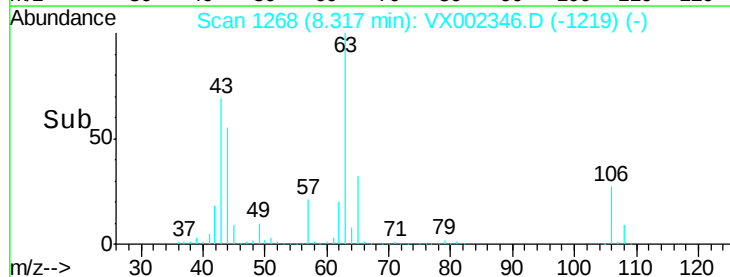
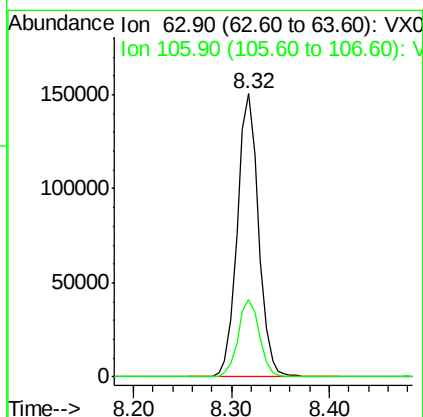
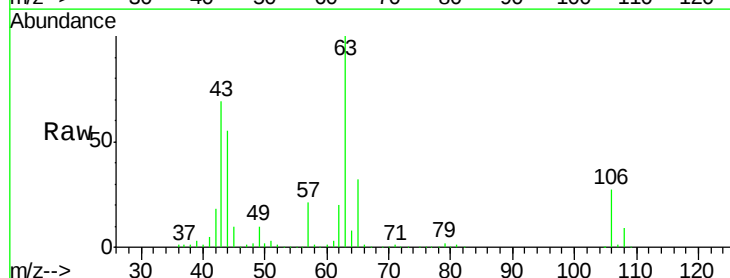
Acq: 06 Jun 2018 12:23

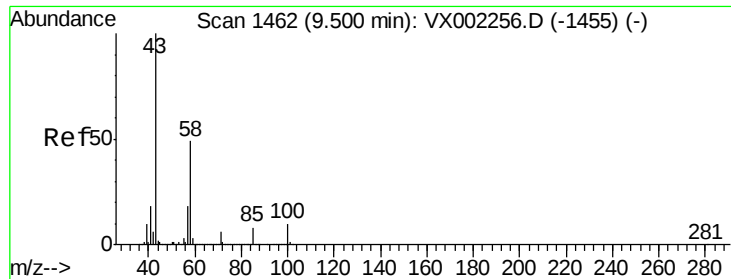
Tgt Ion: 63 Resp: 226686

Ion Ratio Lower Upper

63 100

106 27.6 21.8 32.8





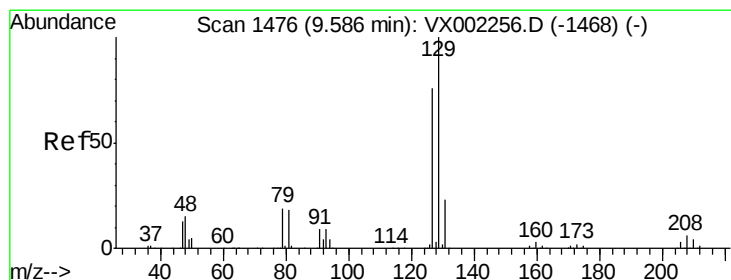
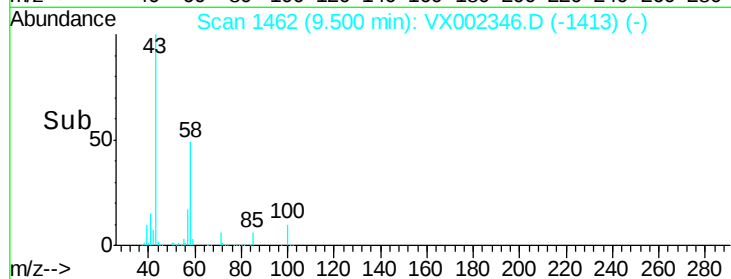
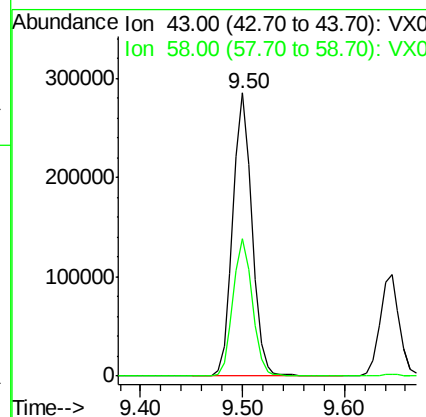
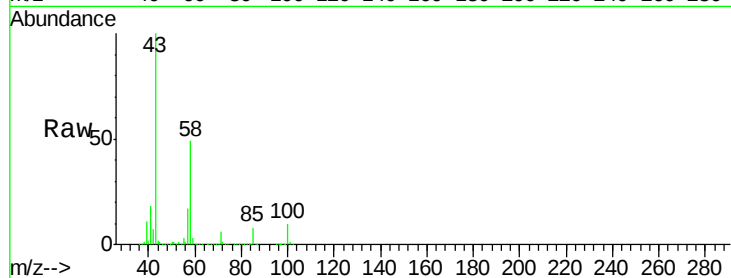
#59
2-Hexanone
Concen: 93.59 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0606WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.1	24.6	73.6

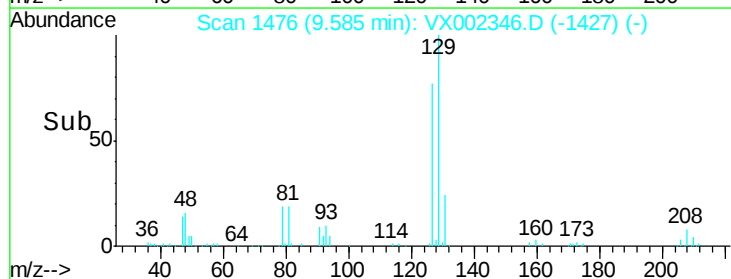
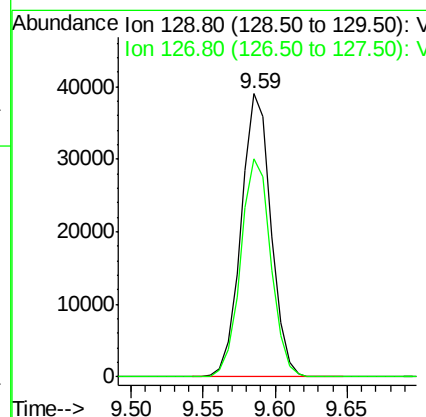
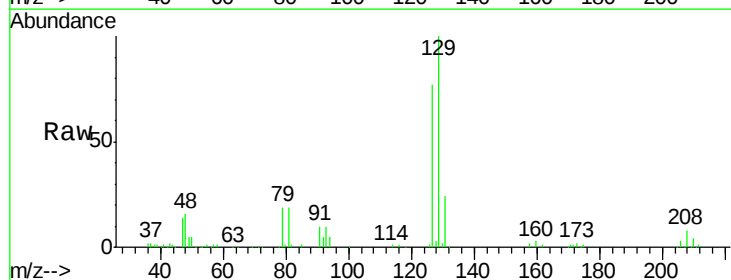
Manual Integrations
APPROVED

MMDadoda
6/7/2018 11:36:14 AM



#60
Dibromochloromethane
Concen: 17.23 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.5	115.3





#61

1,2-Dibromoethane

Concen: 18.99 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0606WBSD01

Tot Ion:107 Resp: 64043

Ion Ratio Lower Upper

107 100

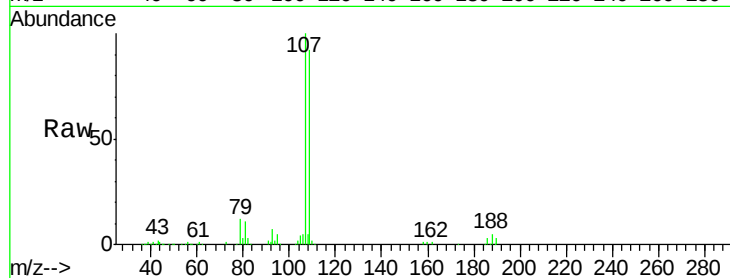
109 92.4 75.3 112.9

Manual Integrations

APPROVED

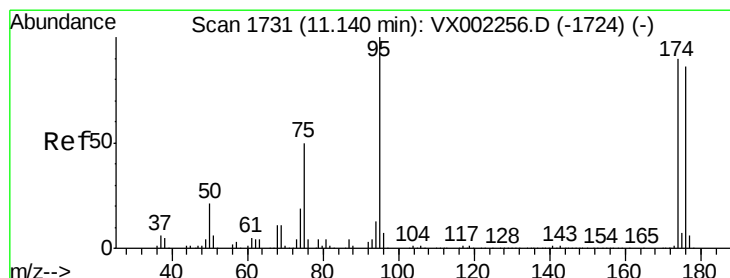
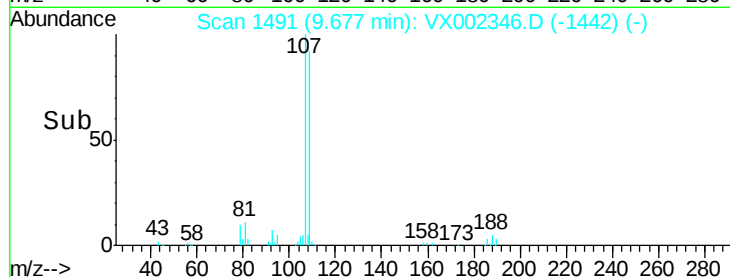
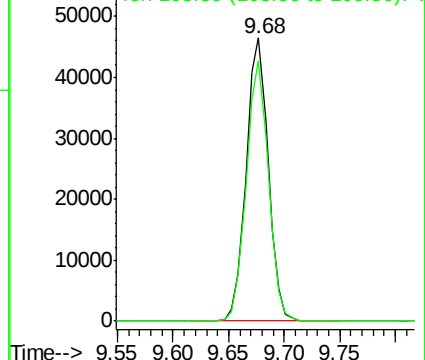
MMDadoda

6/7/2018 11:36:14 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.53 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

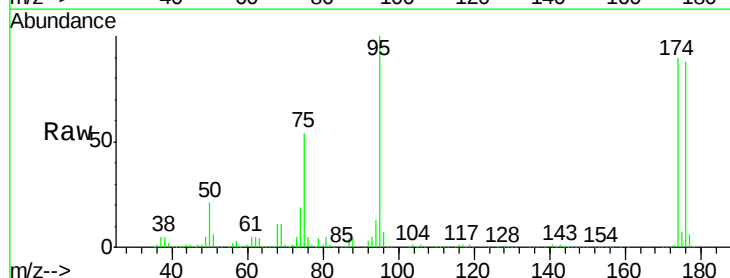
Tgt Ion: 95 Resp: 216405

Ion Ratio Lower Upper

95 100

174 94.4 0.0 187.4

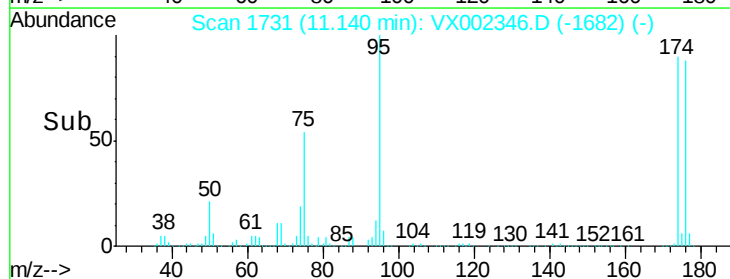
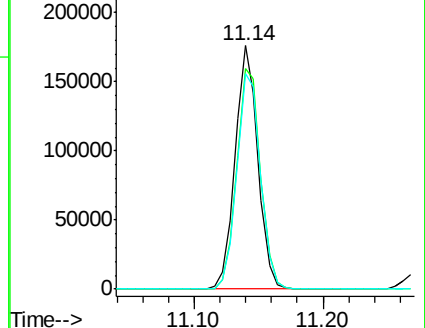
176 92.2 0.0 181.0



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





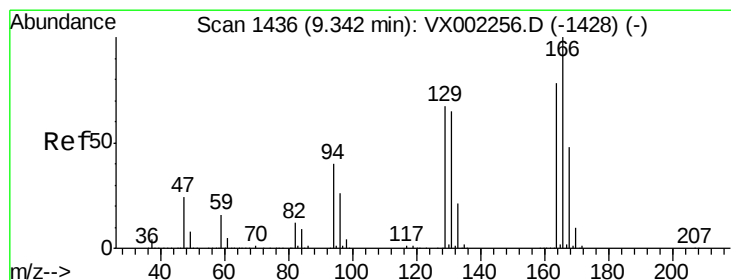
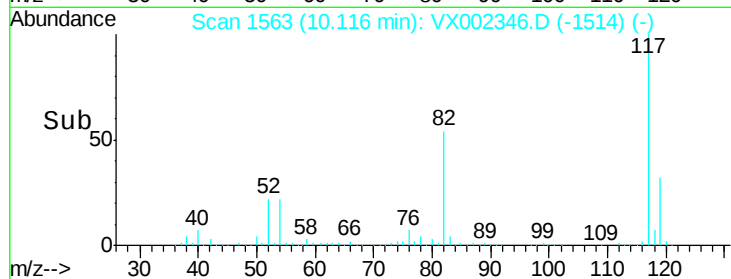
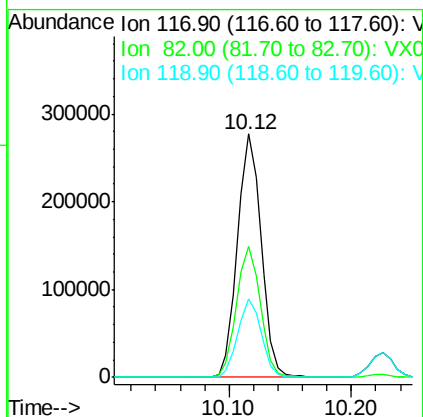
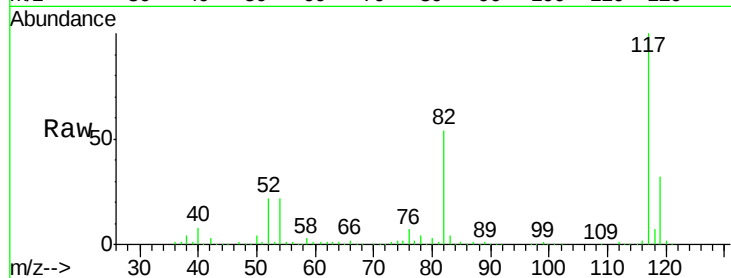
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Instrument :
MSVOA_X
ClientSampled :
VX0606WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	45.0	67.4
119	32.1	25.8	38.6

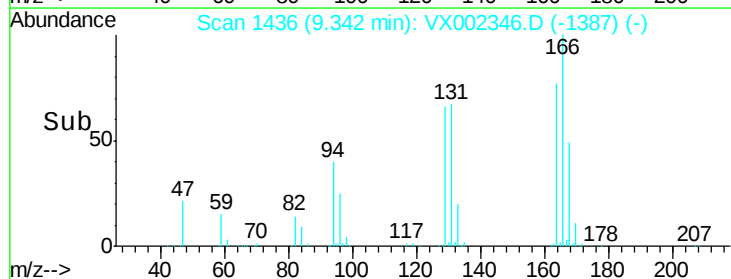
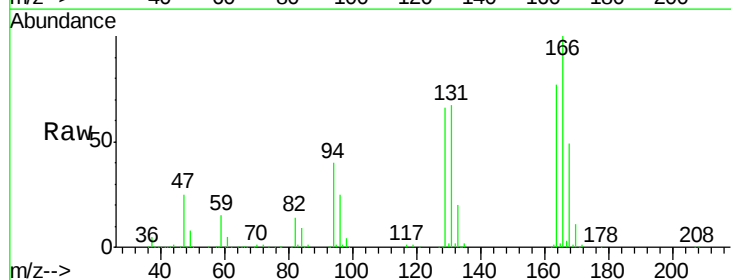
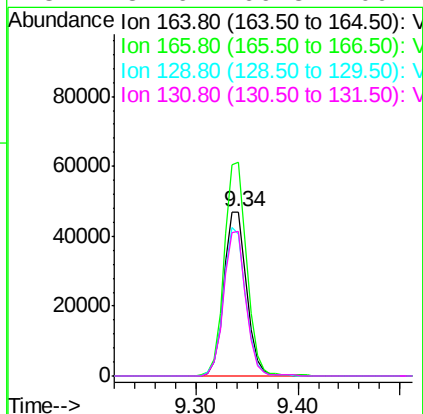
Manual Integrations
APPROVED

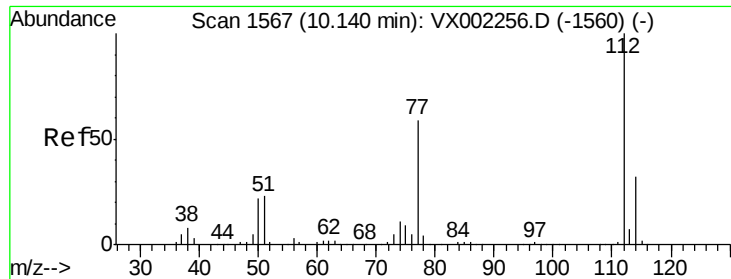
MMDadoda
6/7/2018 11:36:14 AM



#64
Tetrachloroethene
Concen: 18.85 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	102.9	154.3
129	86.2	68.6	102.8
131	87.6	66.8	100.2





#65

Chlorobenzene

Concen: 18.67 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0606WBSD01

Tot Ion:112 Resp: 172268

Ion Ratio Lower Upper

112 100

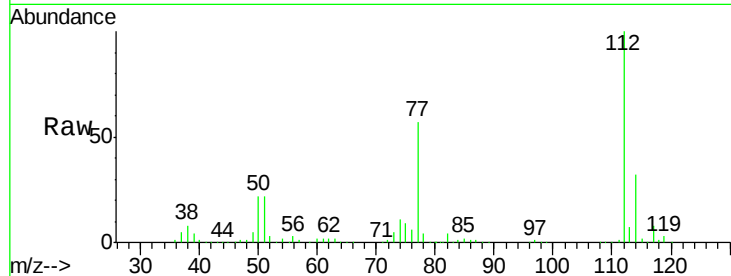
114 31.8 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

6/7/2018 11:36:14 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

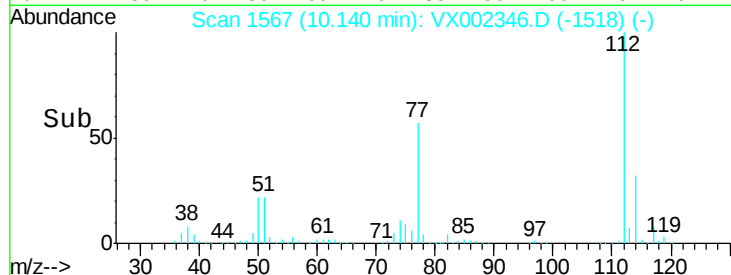
150000

100000

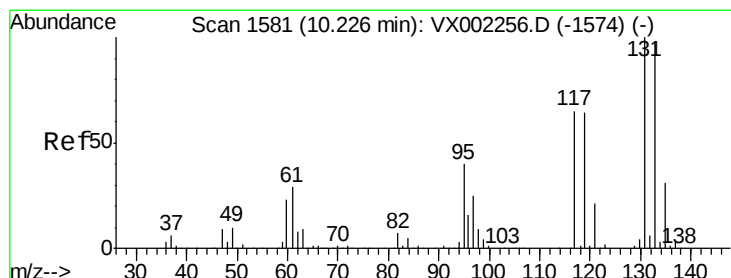
50000

0

Time-->



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 17.48 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

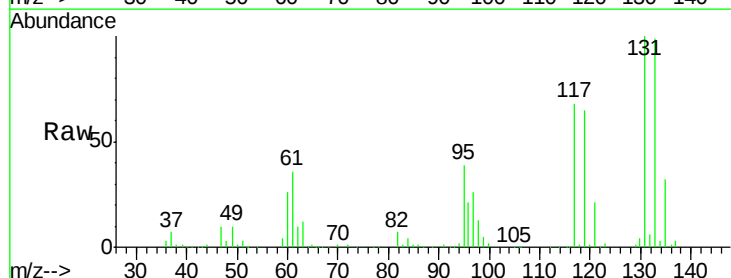
Tgt Ion:131 Resp: 58399

Ion Ratio Lower Upper

131 100

133 97.6 47.9 143.6

119 64.8 31.8 95.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

50000

40000

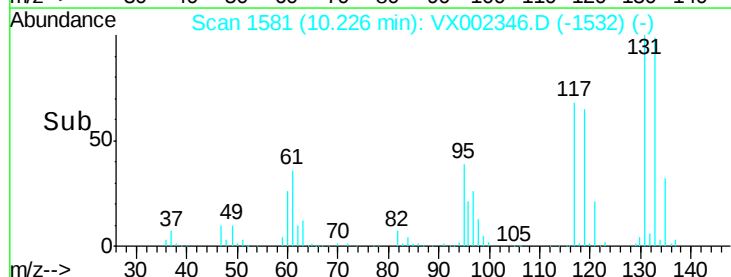
30000

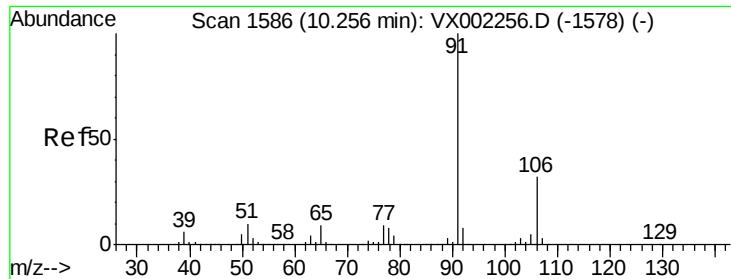
20000

10000

0

Time-->





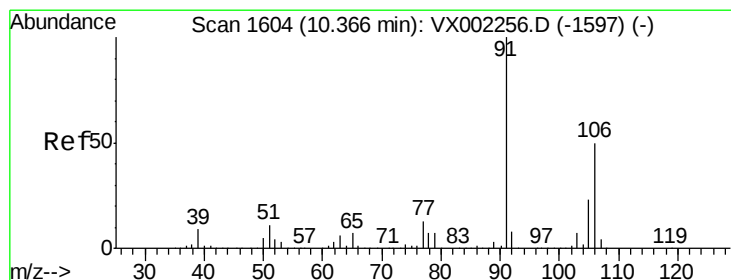
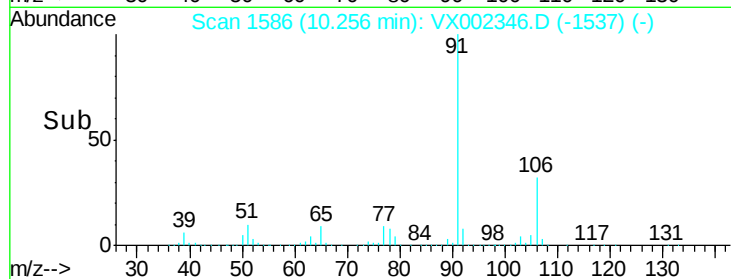
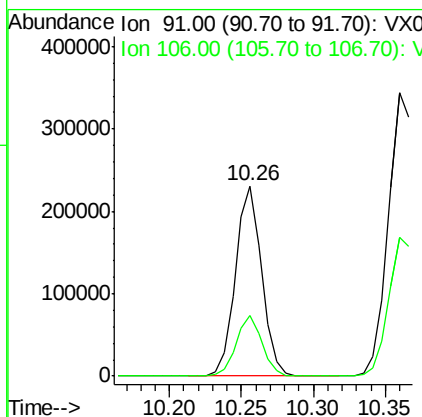
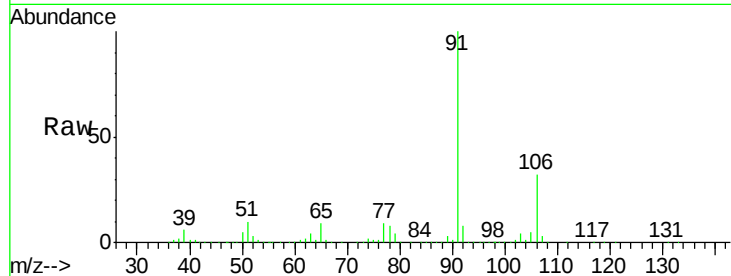
#67
Ethyl Benzene
Concen: 19.01 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0606WBSD01

Tot Ion: 91 Resp: 293486
Ion Ratio Lower Upper
91 100
106 31.6 25.5 38.3

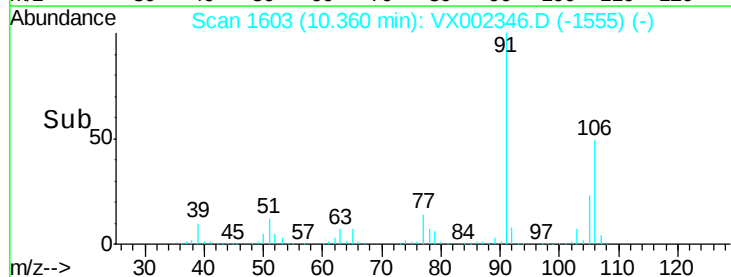
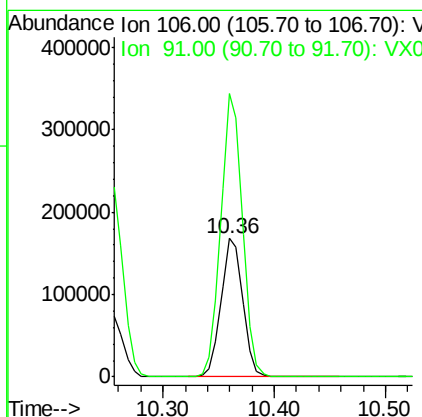
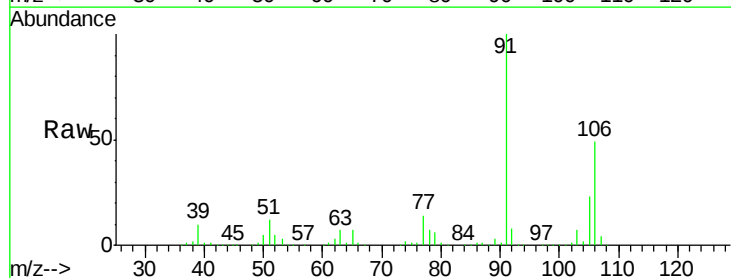
Manual Integrations
APPROVED

MMDadoda
6/7/2018 11:36:14 AM



#68
m/p-Xylenes
Concen: 37.80 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Tgt Ion: 106 Resp: 226910
Ion Ratio Lower Upper
106 100
91 202.9 163.4 245.2





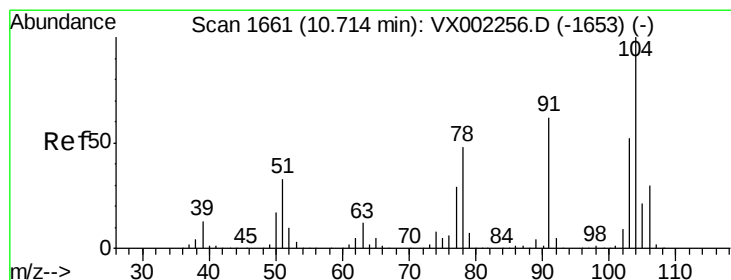
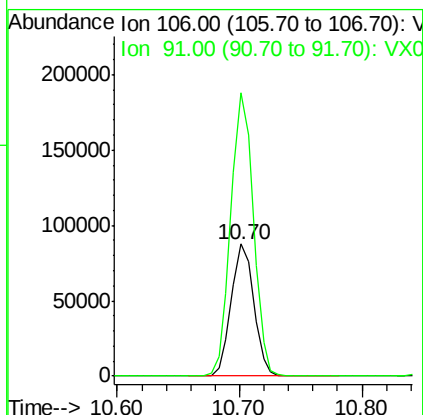
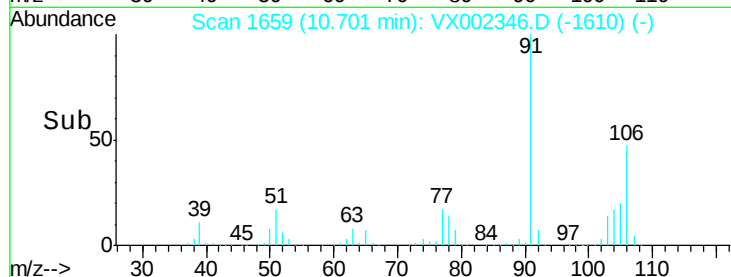
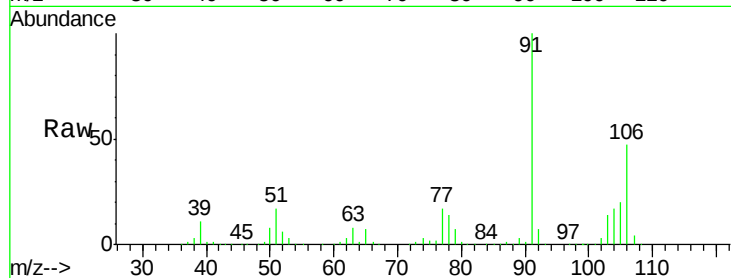
#69
o-Xylene
Concen: 18.76 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0606WBSD01

Tot Ion:106 Resp: 112084
Ion Ratio Lower Upper
106 100
91 214.2 108.2 324.6

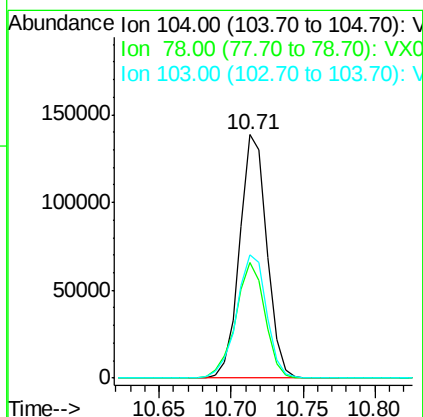
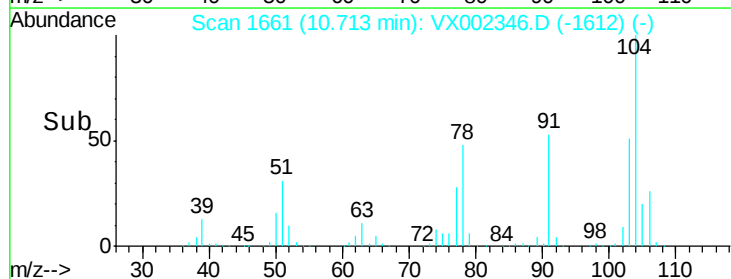
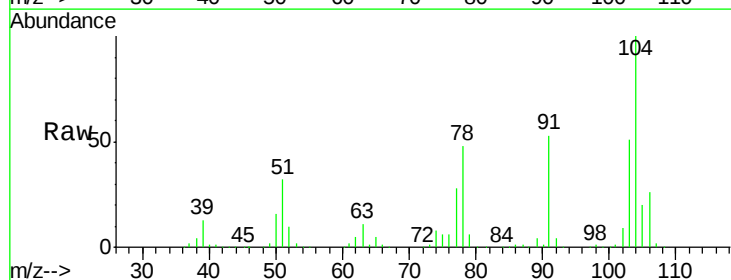
Manual Integrations
APPROVED

MMDadoda
6/7/2018 11:36:14 AM



#70
Styrene
Concen: 18.61 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Tgt Ion:104 Resp: 181780
Ion Ratio Lower Upper
104 100
78 51.8 41.0 61.6
103 56.4 44.2 66.4





#71

Bromoform

Concen: 16.19 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

Instrument :

MSVOA_X

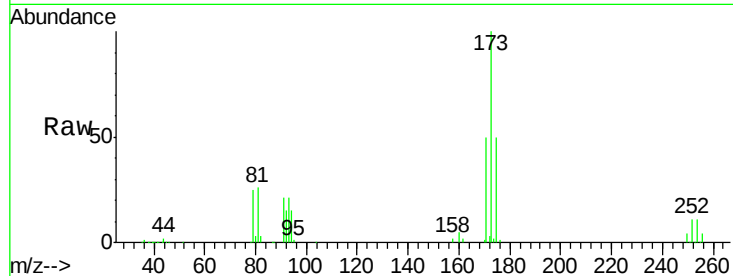
ClientSampleId :

VX0606WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.7	74.1
254	0.1	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
6/7/2018 11:36:14 AM

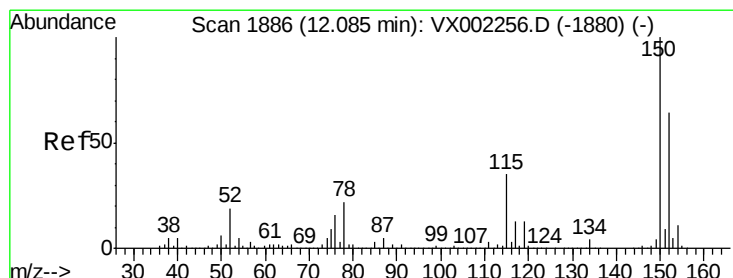
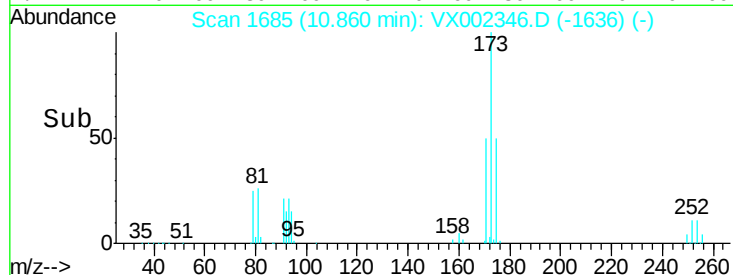
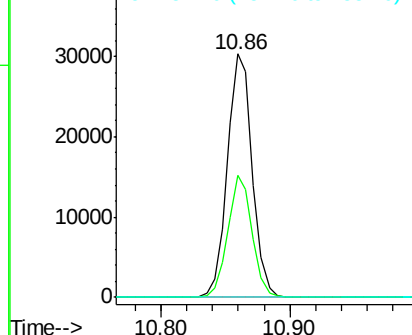


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

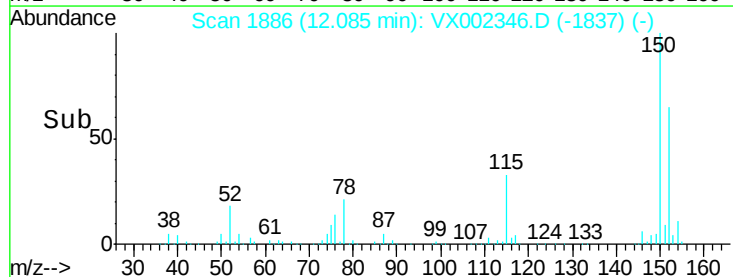
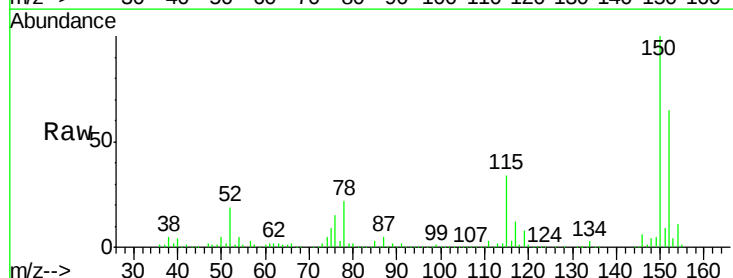
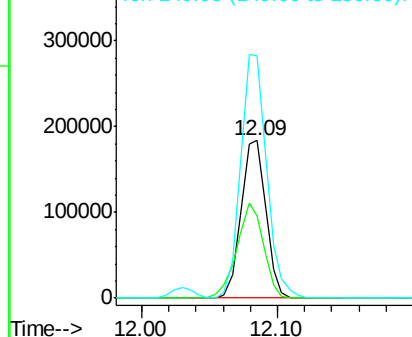
Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.1	40.1	120.2
150	162.1	0.0	347.2

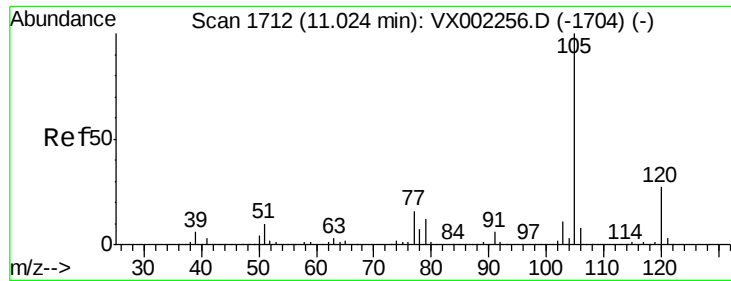
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





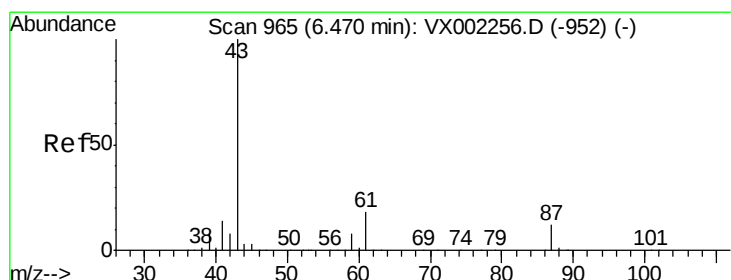
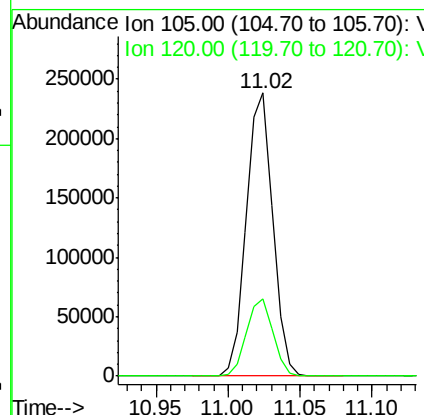
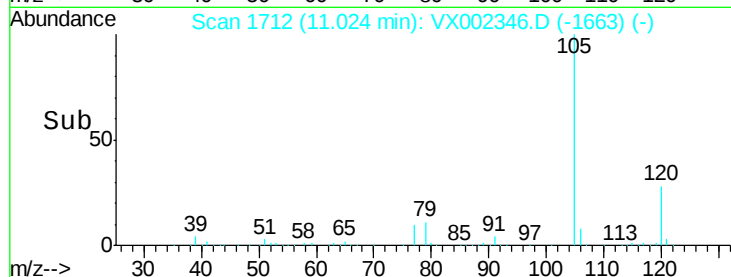
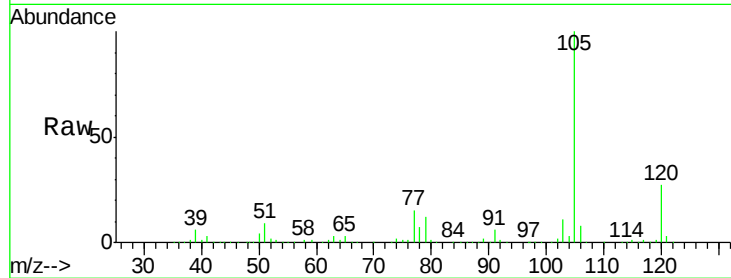
#73
Isopropylbenzene
Concen: 18.70 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Instrument :
MSVOA_X
ClientSampleID :
VX0606WBSD01

Tot Ion:105 Resp: 303249
Ion Ratio Lower Upper
105 100
120 27.3 13.5 40.4

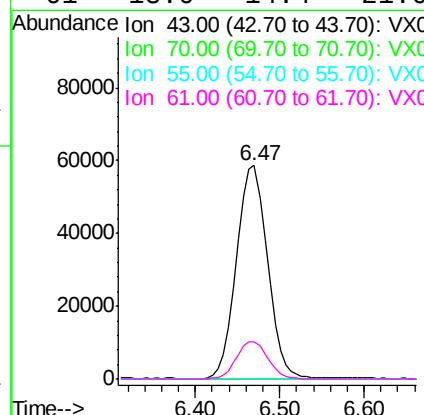
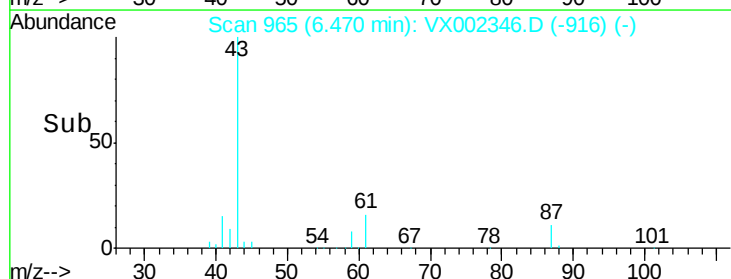
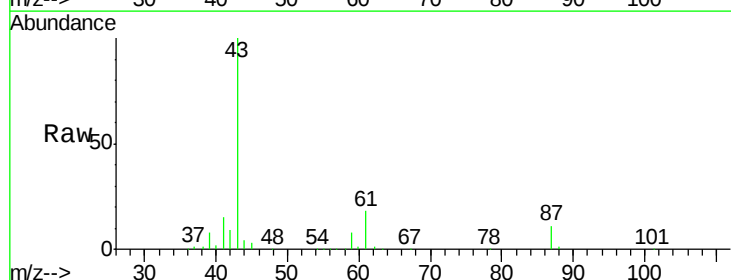
Manual Integrations
APPROVED

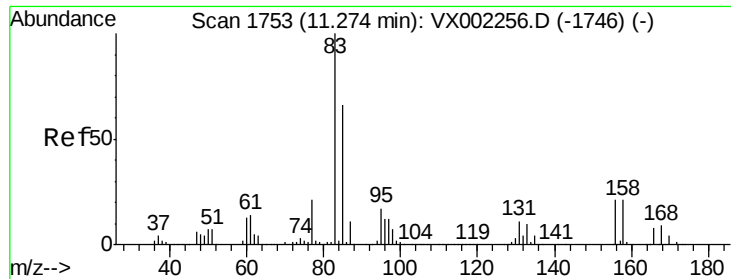
MMDadoda
6/7/2018 11:36:14 AM



#74
N-ethyl acetate
Concen: 16.76 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.00 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Tgt Ion: 43 Resp: 146436
Ion Ratio Lower Upper
43 100
70 0.0 0.0 0.0
55 0.1 0.0 0.0#
61 18.0 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 17.60 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

Instrument :

MSVOA_X

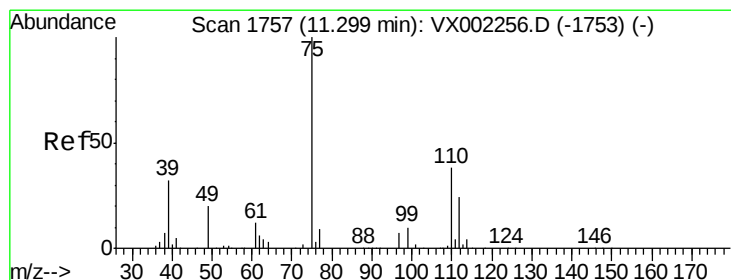
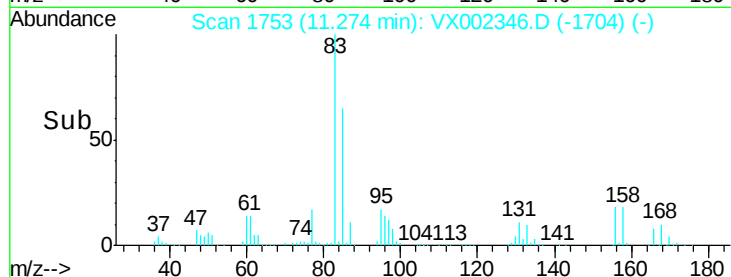
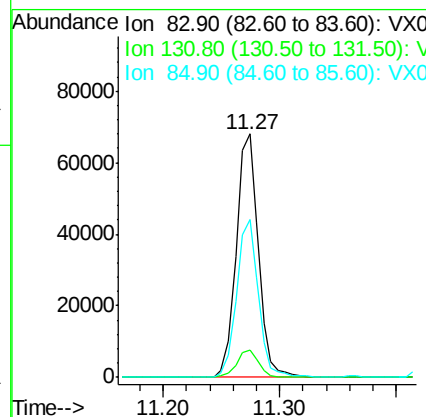
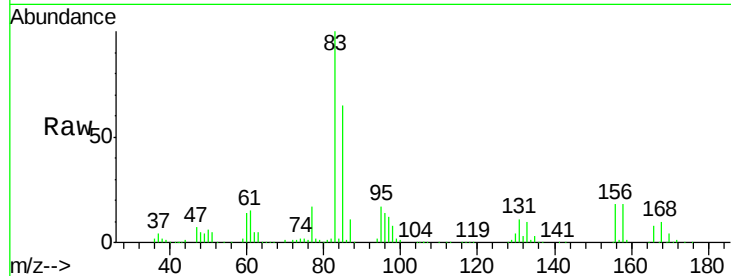
ClientSampled :

VX0606WBSD01

Tot Ion:	83	Resp:	89765
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.6	16.8
85	64.3	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
6/7/2018 11:36:14 AM



#76

1,2,3-Trichloropropane

Concen: 17.60 ug/l m

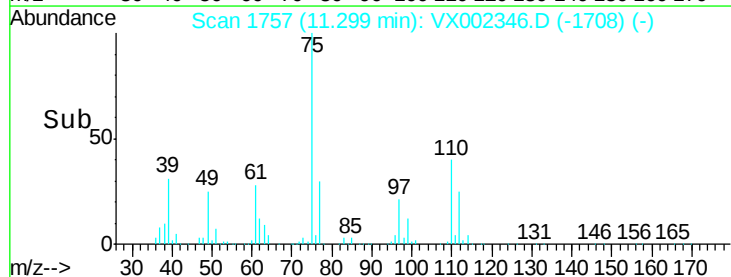
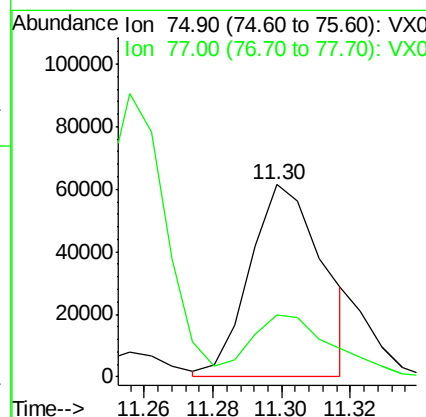
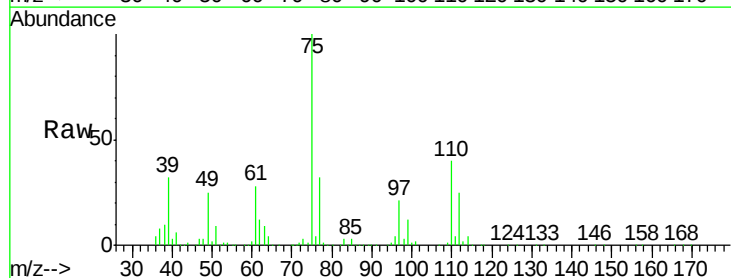
RT: 11.30 min Scan# 1757

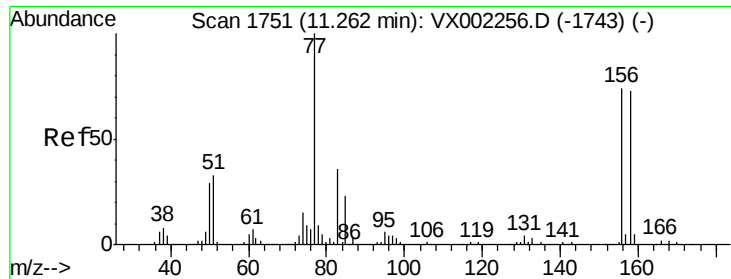
Delta R.T. -0.00 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

Tgt Ion:	75	Resp:	90008
Ion Ratio	Lower	Upper	
75	100		
77	36.6	22.8	68.3





#77

Bromobenzene

Concen: 17.80 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0606WBSD01

Tot Ion:156 Resp: 81035

Ion Ratio Lower Upper

156 100

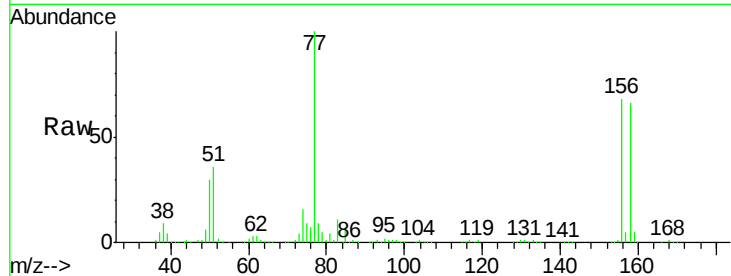
77 141.4 71.4 214.2

158 98.2 48.9 146.6

Manual Integrations
APPROVED

MMDadoda

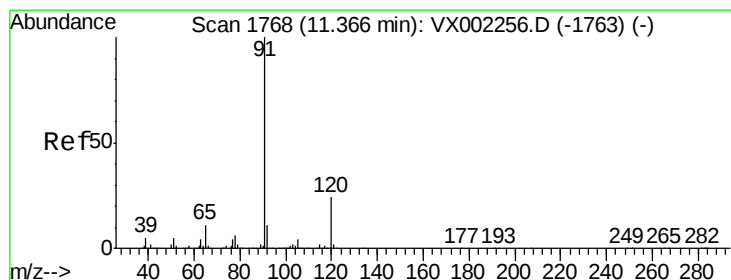
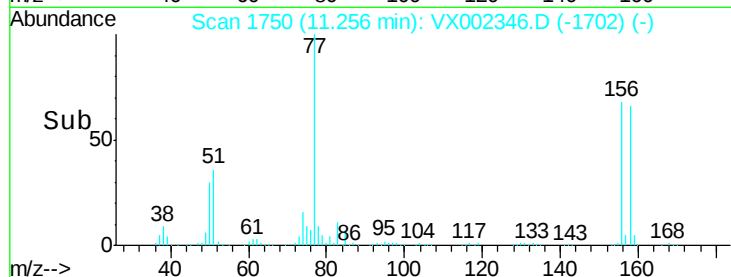
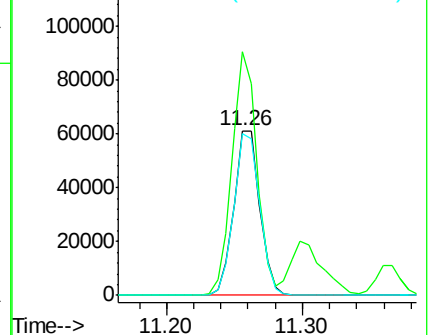
6/7/2018 11:36:14 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.33 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002346.D

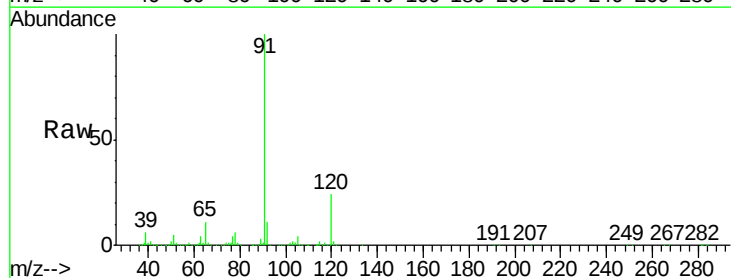
Acq: 06 Jun 2018 12:23

Tgt Ion: 91 Resp: 348290

Ion Ratio Lower Upper

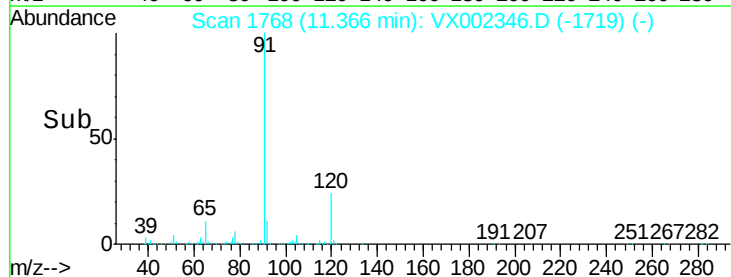
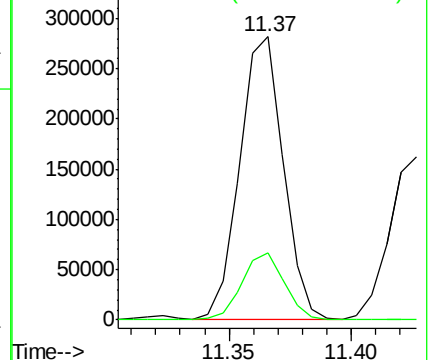
91 100

120 23.5 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.91 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0606WBSD01

Tot Ion: 91 Resp: 203763

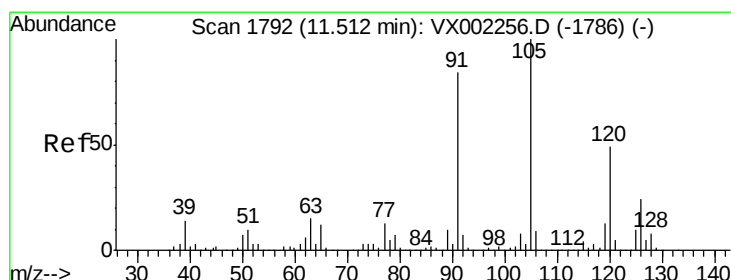
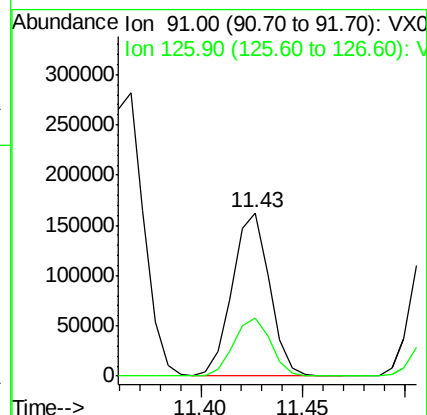
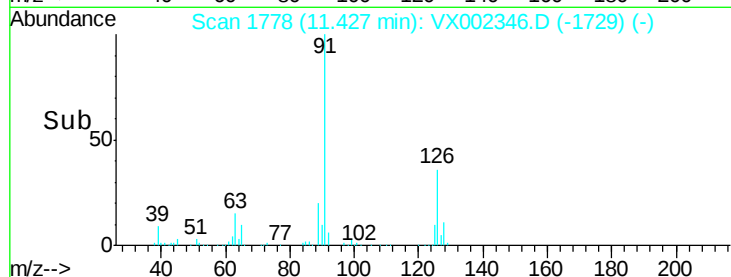
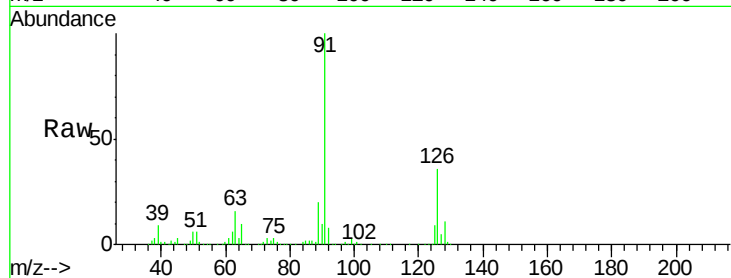
Ion Ratio Lower Upper

91 100

126 36.0 17.7 53.1

Manual Integrations
APPROVED

MMDadoda
6/7/2018 11:36:14 AM



#80

1,3,5-Trimethylbenzene

Concen: 18.61 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002346.D

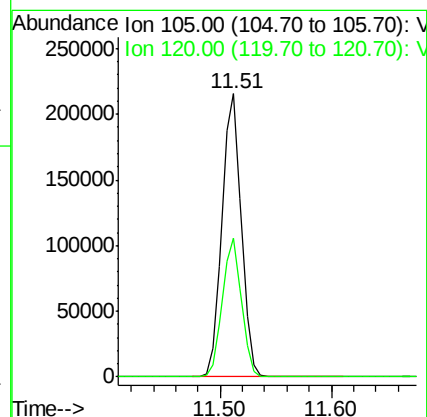
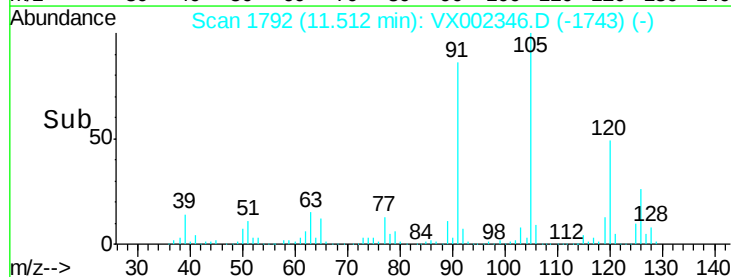
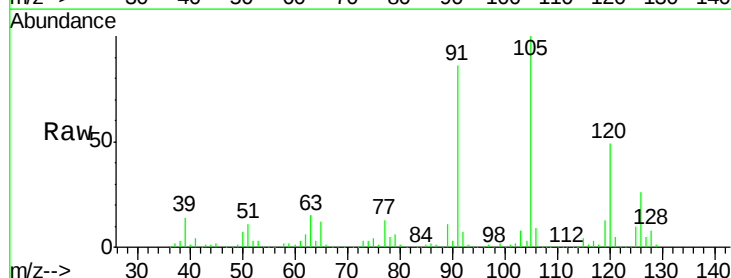
Acq: 06 Jun 2018 12:23

Tgt Ion: 105 Resp: 258858

Ion Ratio Lower Upper

105 100

120 48.4 24.4 73.4





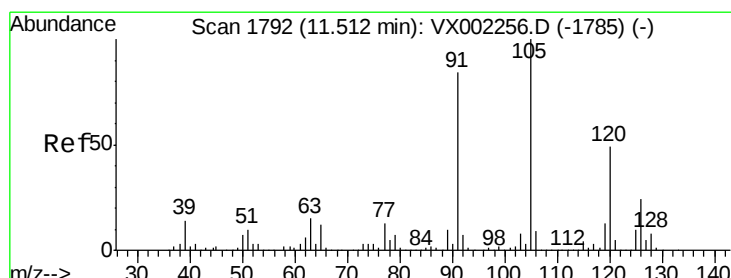
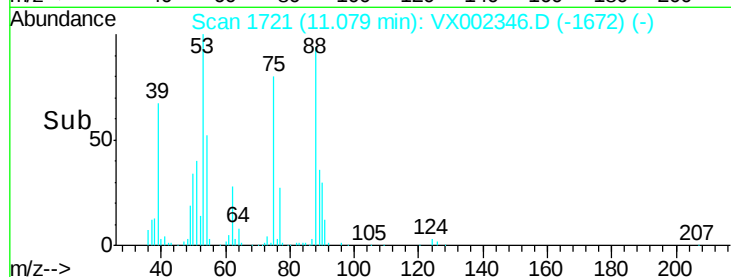
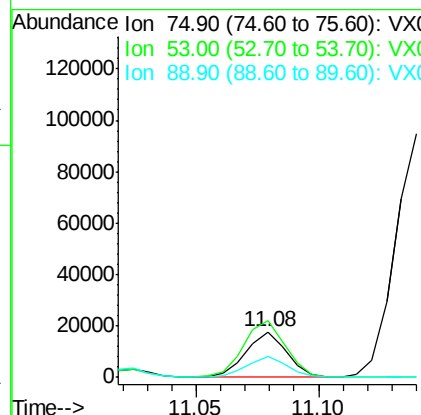
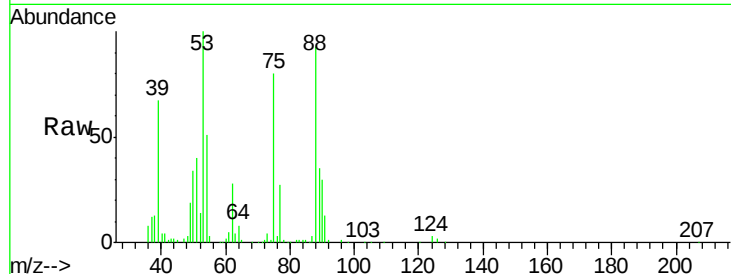
#81
trans-1,4-Dichloro-2-butene
Concen: 14.02 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0606WBSD01

Tot Ion: 75 Resp: 20460
Ion Ratio Lower Upper
75 100
53 128.7 86.8 130.2
89 46.5 38.2 57.2

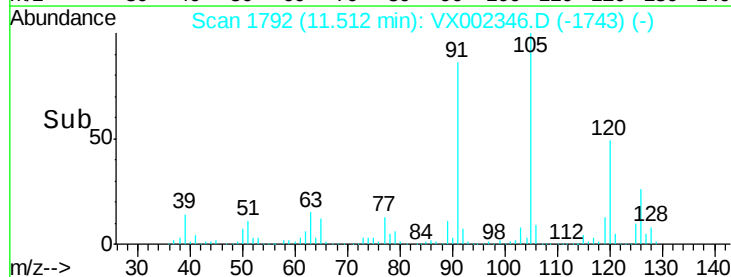
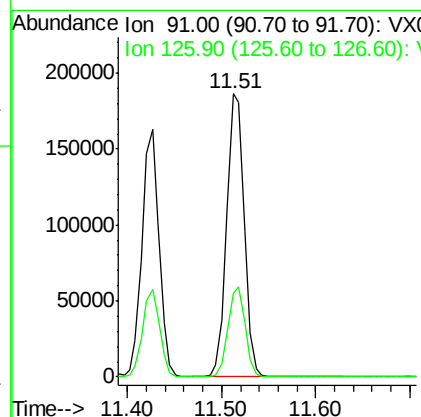
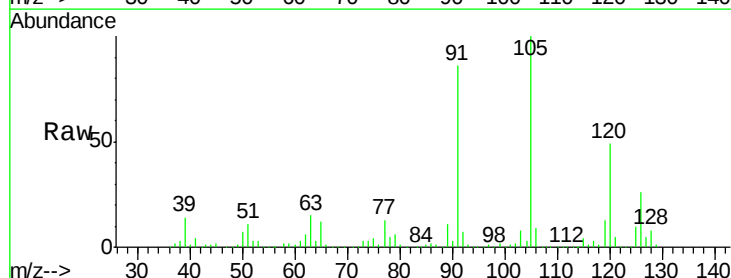
Manual Integrations
APPROVED

MMDadoda
6/7/2018 11:36:14 AM



#82
4-Chlorotoluene
Concen: 18.31 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Tgt Ion: 91 Resp: 240546
Ion Ratio Lower Upper
91 100
126 31.0 15.4 46.4





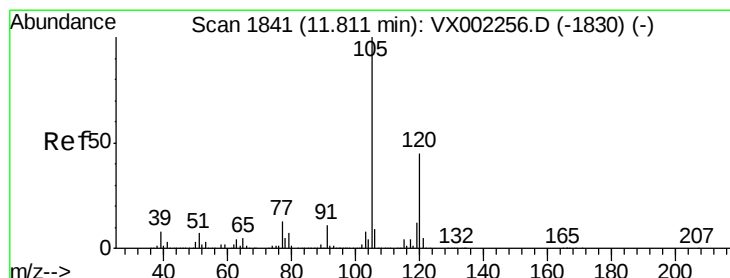
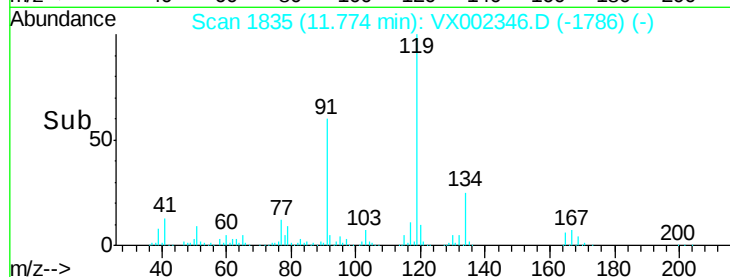
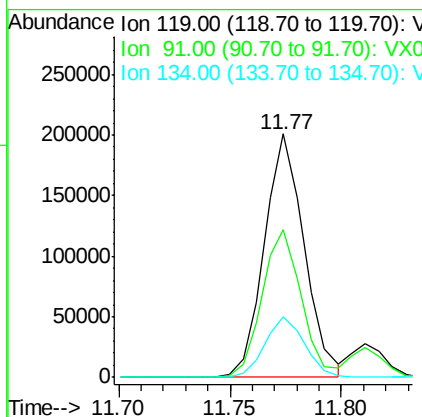
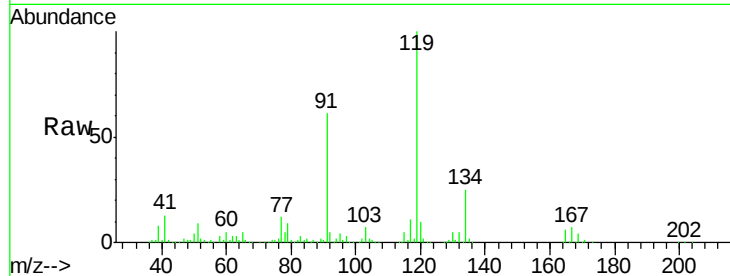
#83
tert-Butylbenzene
Concen: 18.38 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0606WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.2	30.3	90.9
134	24.7	11.7	35.1

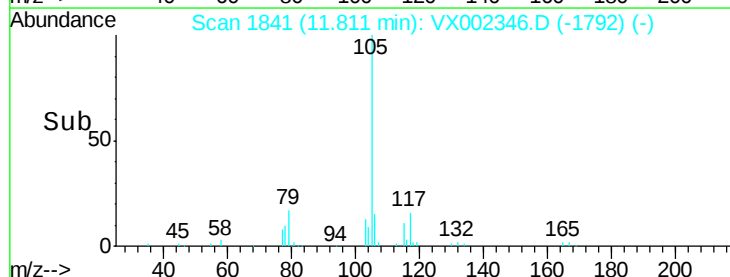
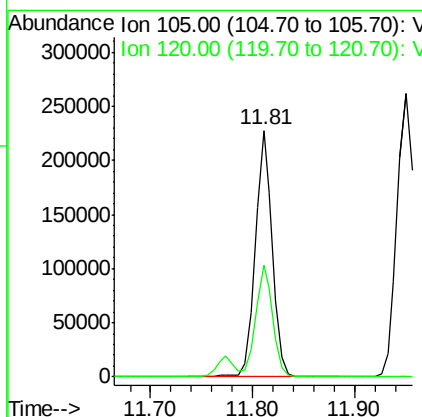
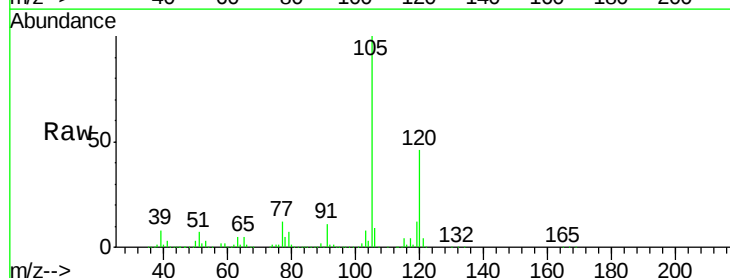
Manual Integrations
APPROVED

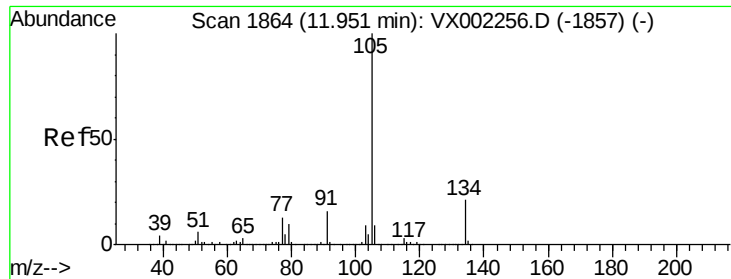
MMDadoda
6/7/2018 11:36:14 AM



#84
1,2,4-Trimethylbenzene
Concen: 18.62 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.3	66.8





#85

sec-Butylbenzene

Concen: 19.83 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0606WBSD01

Tot Ion:105 Resp: 314775

Ion Ratio Lower Upper

105 100

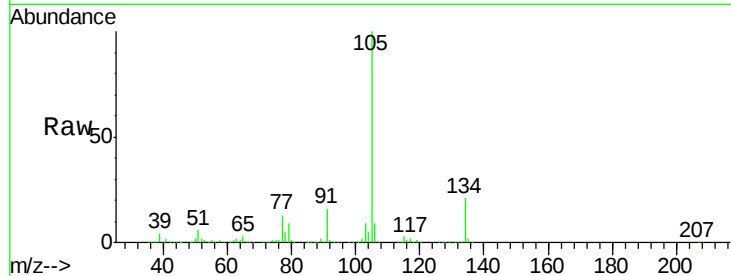
134 20.5 10.4 31.1

Manual Integrations

APPROVED

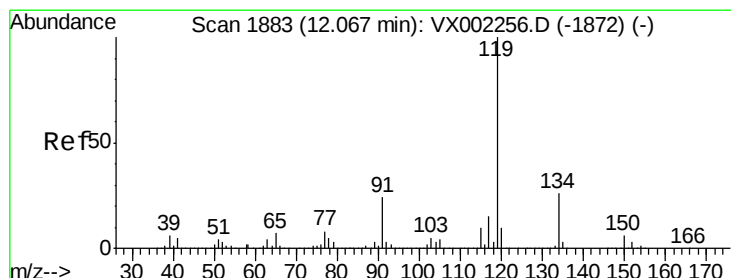
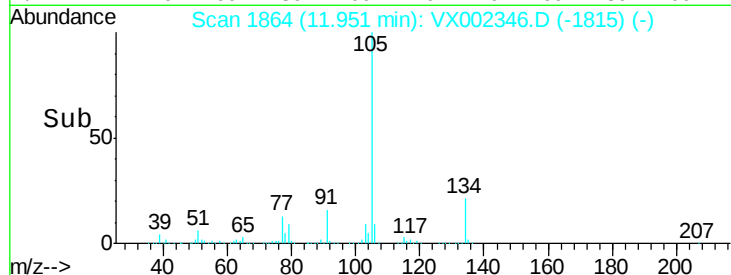
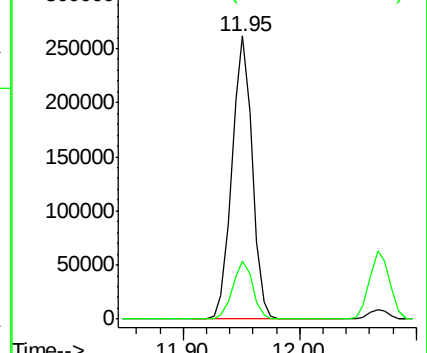
MMDadoda

6/7/2018 11:36:14 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.54 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

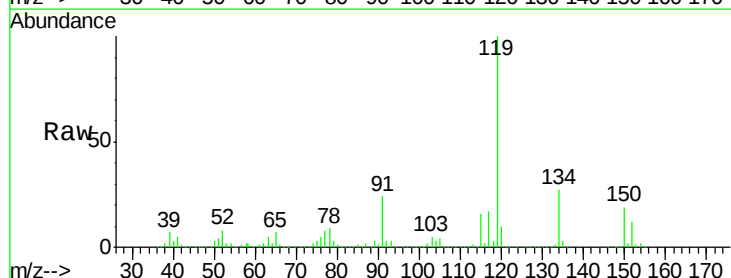
Tgt Ion:119 Resp: 282524

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

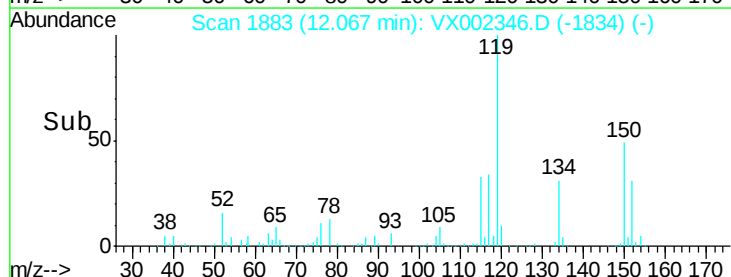
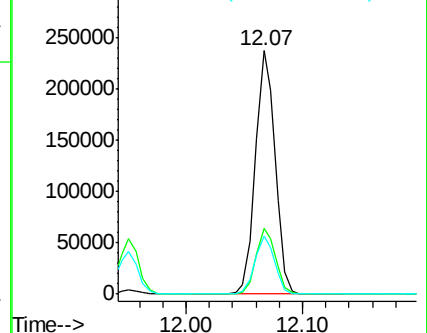
91 24.0 11.9 35.7

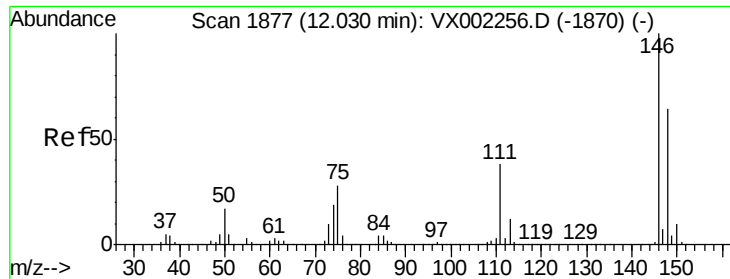


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





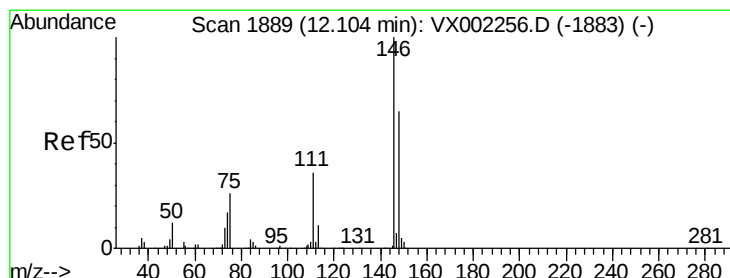
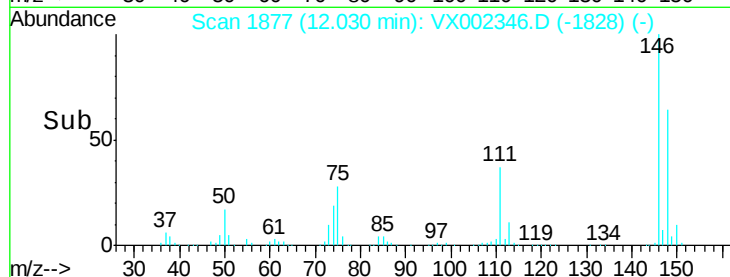
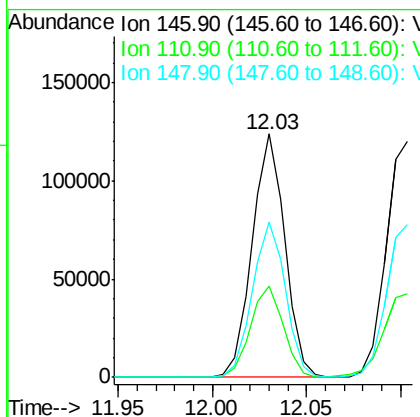
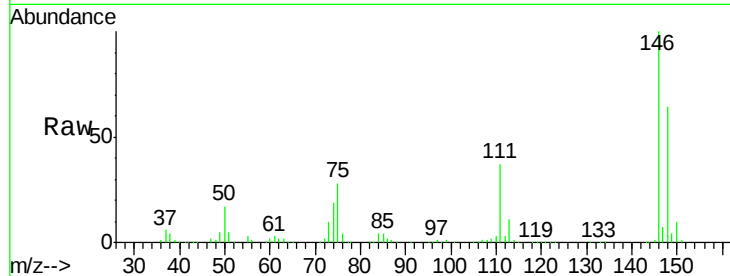
#87
 1,3-Dichlorobenzene
 Concen: 18.25 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002346.D
 Acq: 06 Jun 2018 12:23

Instrument :
 MSVOA_X
 ClientSampled :
 VX0606WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.7
148	64.6	32.1	96.3

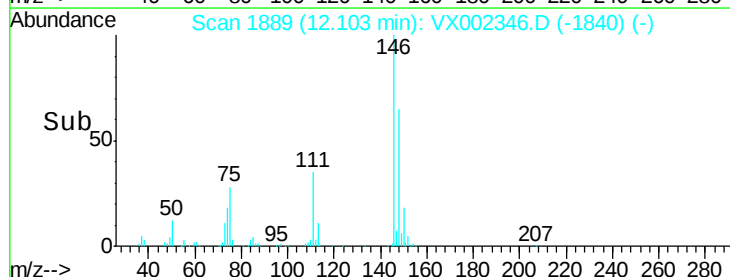
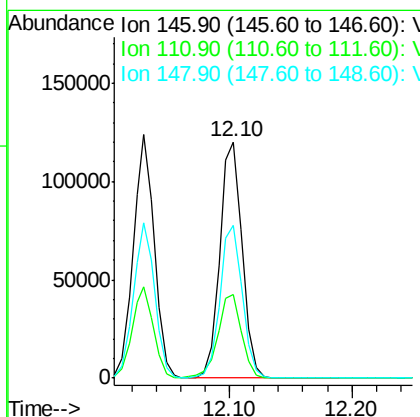
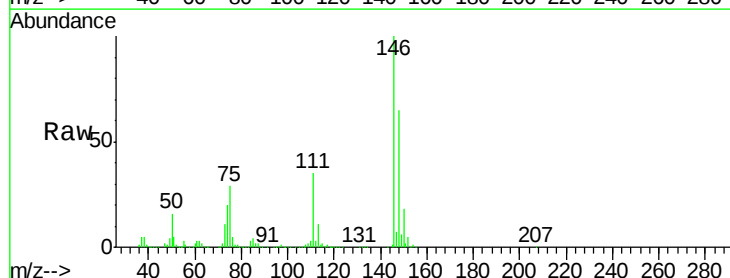
Manual Integrations
 APPROVED

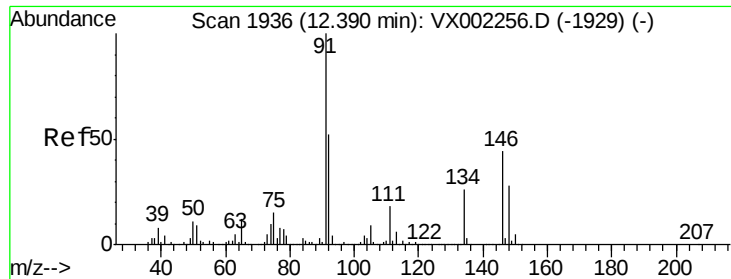
MMDadoda
 6/7/2018 11:36:14 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.11 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002346.D
 Acq: 06 Jun 2018 12:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.7	56.1
148	65.1	32.4	97.0





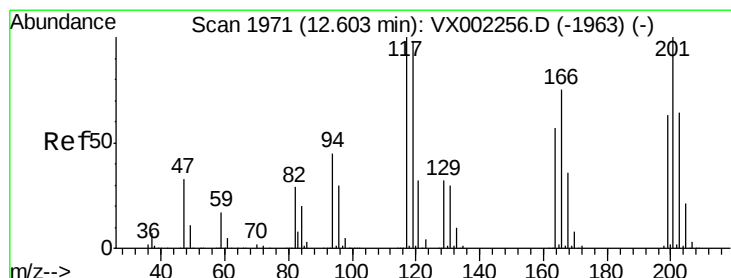
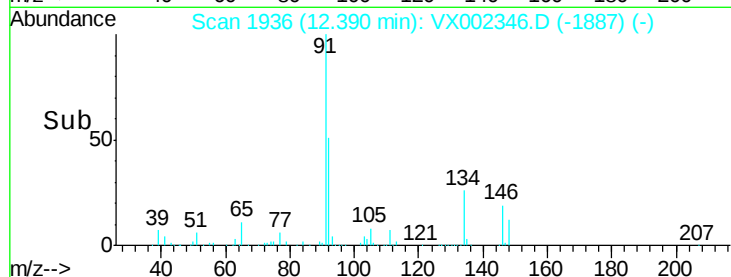
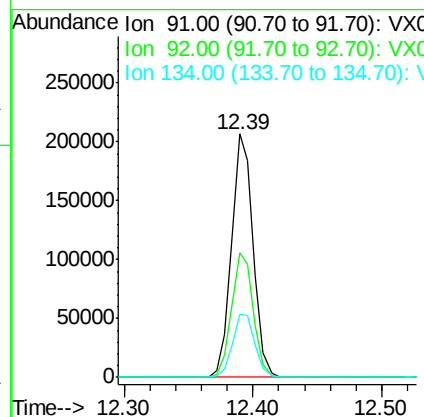
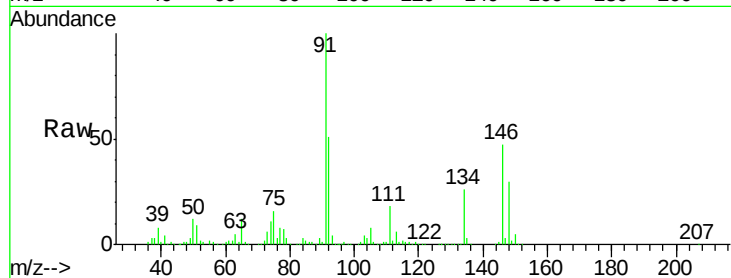
#89
n-Butylbenzene
Concen: 20.11 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0606WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.0	78.0
134	27.0	13.5	40.5

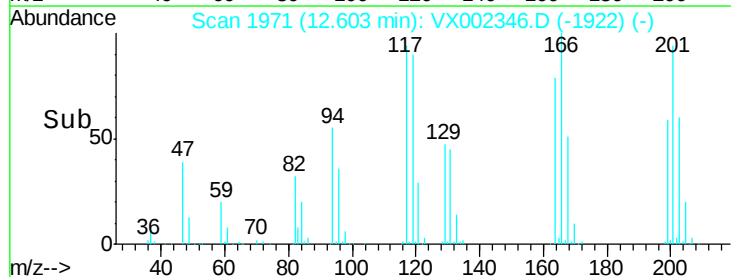
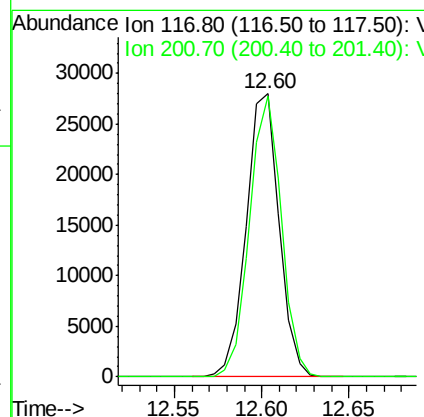
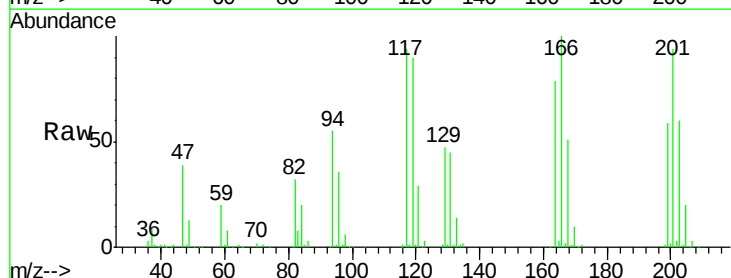
Manual Integrations
APPROVED

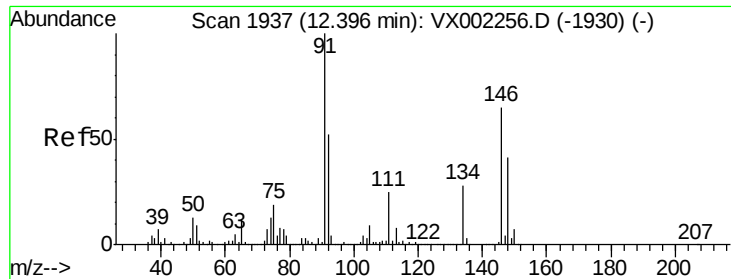
MMDadoda
6/7/2018 11:36:14 AM



#90
Hexachloroethane
Concen: 15.79 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002346.D
Acq: 06 Jun 2018 12:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.9	49.0	147.0





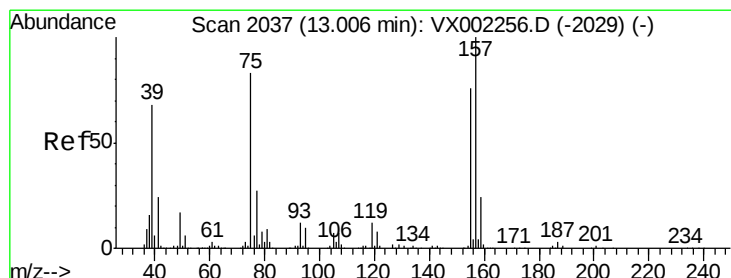
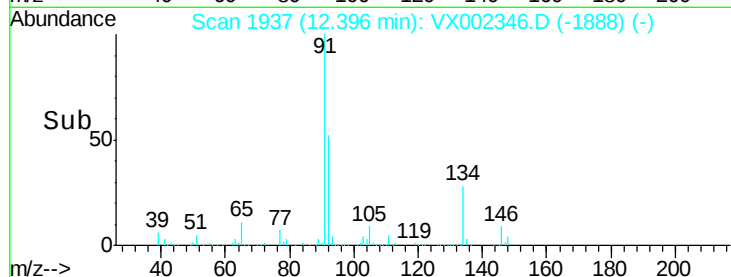
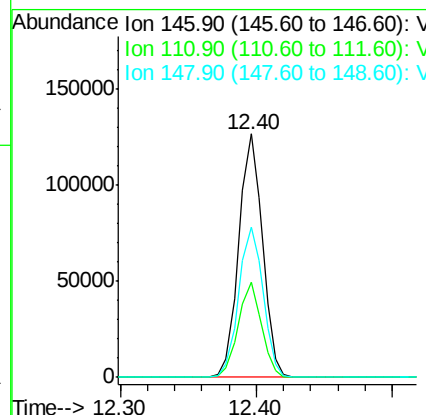
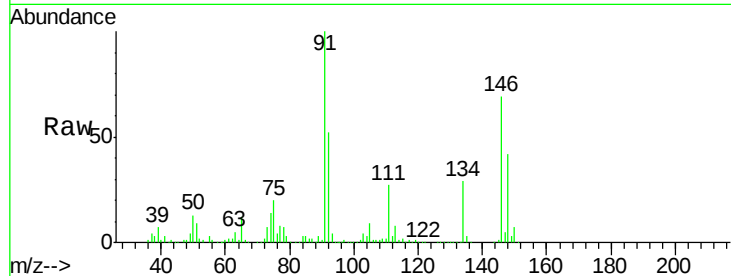
#91
 1,2-Dichlorobenzene
 Concen: 18.23 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002346.D
 Acq: 06 Jun 2018 12:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0606WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	153504		
111	38.5	19.4	58.1	
148	63.6	31.7	95.1	

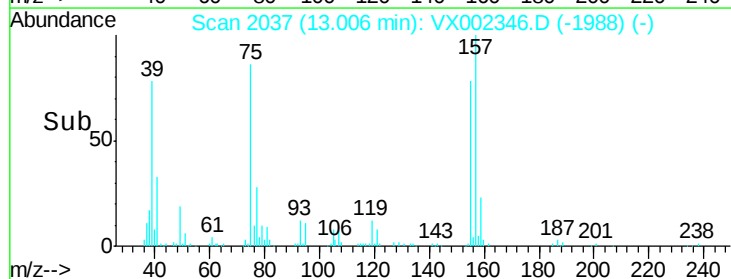
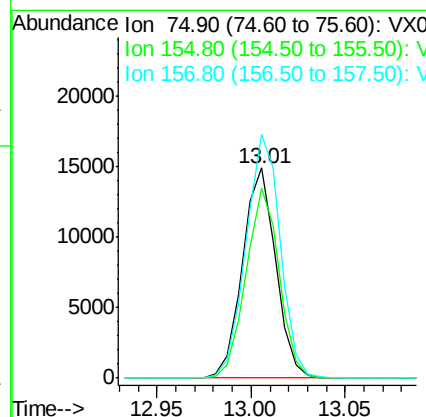
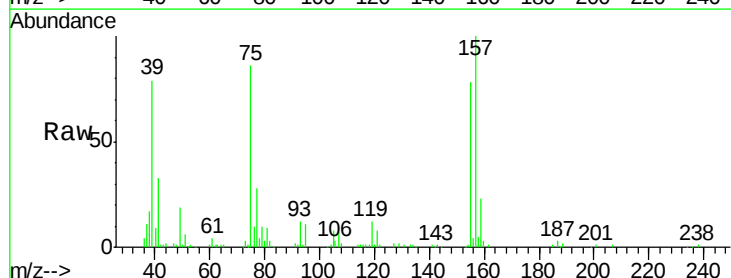
Manual Integrations
 APPROVED

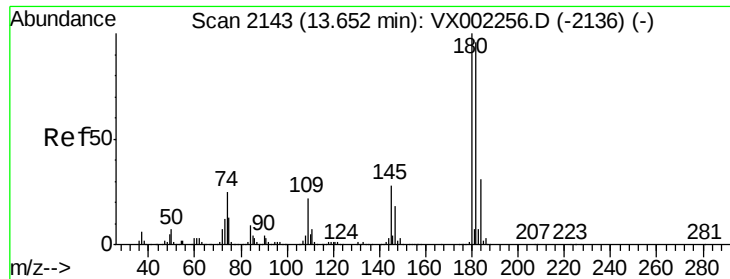
MMDadoda
 6/7/2018 11:36:14 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.30 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002346.D
 Acq: 06 Jun 2018 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18180		
155	89.9	45.8	137.4	
157	119.7	60.1	180.3	





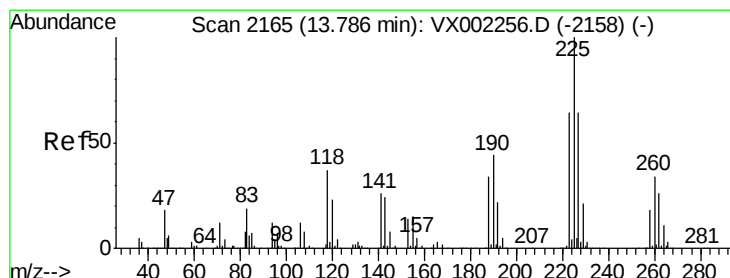
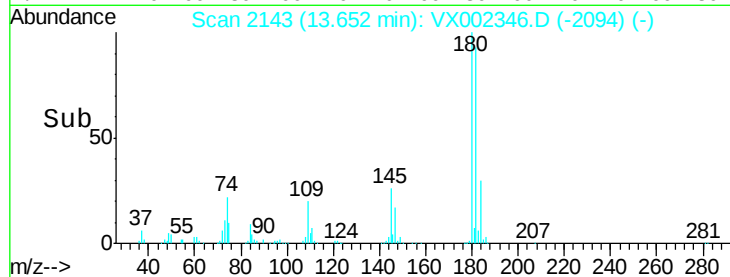
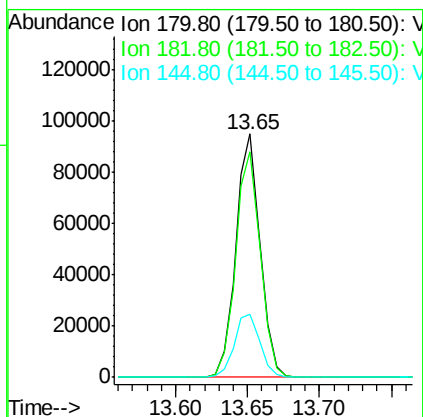
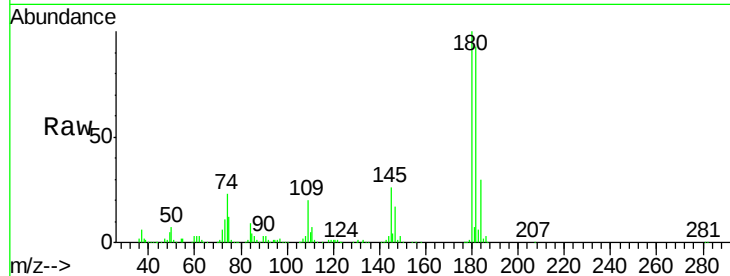
#93
 1,2,4-Trichlorobenzene
 Concen: 18.88 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002346.D
 Acq: 06 Jun 2018 12:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0606WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.7	143.1
145	27.5	14.1	42.4

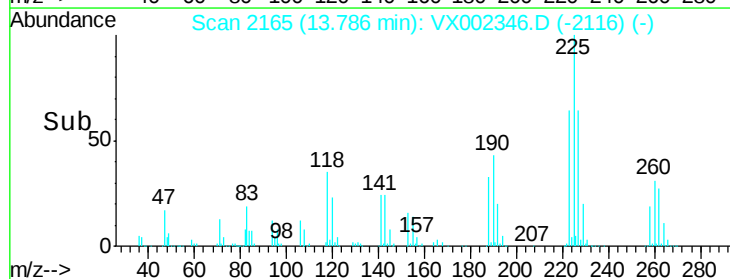
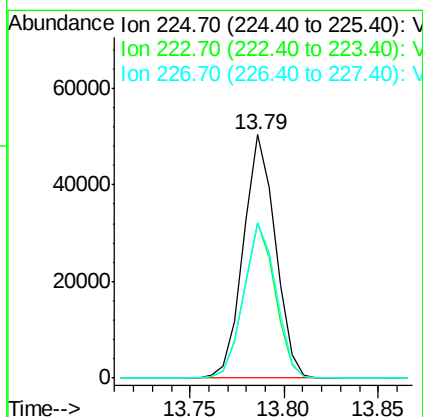
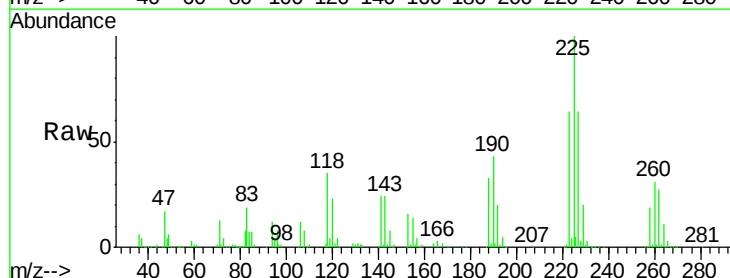
Manual Integrations
 APPROVED

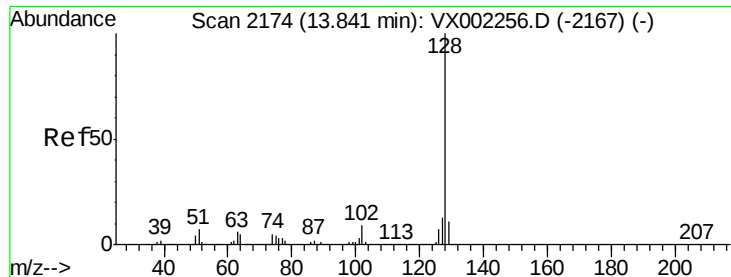
MMDadoda
 6/7/2018 11:36:14 AM



#94
 Hexachlorobutadiene
 Concen: 20.32 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002346.D
 Acq: 06 Jun 2018 12:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.6	95.0
227	64.1	32.4	97.2





#95

Naphthalene

Concen: 18.42 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

Instrument :

MSVOA_X

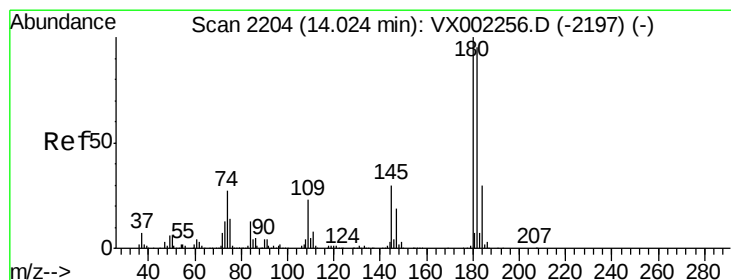
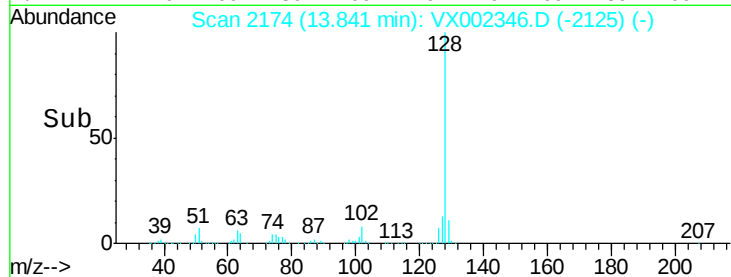
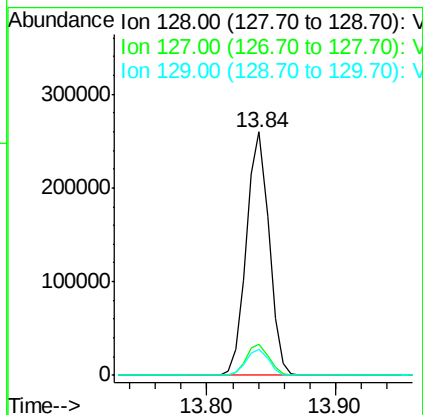
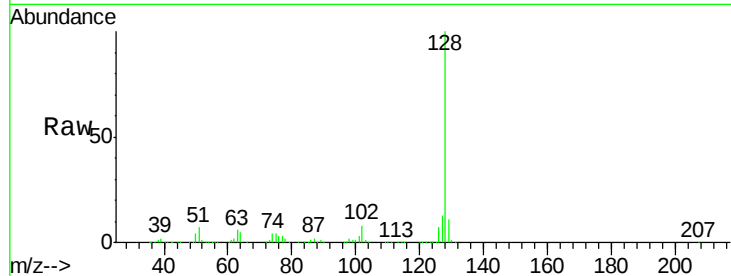
ClientSampled :

VX0606WBSD01

Tot Ion:	128	Resp:	312431
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/7/2018 11:36:14 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.82 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002346.D

Acq: 06 Jun 2018 12:23

Tgt Ion:	180	Resp:	113351
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.0	144.0
145	29.5	14.8	44.3

