

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060718\
 Data File : VX002390.D
 Acq On : 07 Jun 2018 20:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/8/2018 1:20:29 PM

Quant Time: Jun 08 03:10:09 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	189045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	314321	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	312432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	196388	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	74390	25.85	ug/l	0.00
Spiked Amount			Recovery	=	51.70%	
35) Dibromofluoromethane	5.51	113	57068	23.09	ug/l	0.00
Spiked Amount			Recovery	=	46.18%	
50) Toluene-d8	8.72	98	205013	21.64	ug/l	0.00
Spiked Amount			Recovery	=	43.28%	
62) 4-Bromofluorobenzene	11.14	95	81049	22.18	ug/l	0.00
Spiked Amount			Recovery	=	44.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	78562	39.977	ug/l	99
3) Chloromethane	1.32	50	118153	52.623	ug/l	98
4) Vinyl Chloride	1.41	62	119883	48.403	ug/l	99
5) Bromomethane	1.64	94	79257	57.015	ug/l	99
6) Chloroethane	1.71	64	89158	55.650	ug/l	99
7) Trichlorofluoromethane	1.92	101	180609	47.861	ug/l	97
8) Diethyl Ether	2.19	74	93184	70.468	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	92611	45.477	ug/l	99
10) Methyl Iodide	2.51	142	140626	49.096	ug/l	100
11) Tert butyl alcohol	3.09	59	186196	343.468	ug/l	98
12) 1,1-Dichloroethene	2.37	96	101910	50.638	ug/l	97
13) Acrolein	2.29	56	64308	239.157	ug/l	100
14) Allyl chloride	2.73	41	229217	52.483	ug/l	99
15) Acrylonitrile	3.15	53	403422	354.691	ug/l	100
16) Acetone	2.45	43	378603	331.919	ug/l	100
17) Carbon Disulfide	2.57	76	232545	43.841	ug/l	98
18) Methyl Acetate	2.78	43	196231	73.738	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	488539	70.700	ug/l	99
20) Methylene Chloride	2.86	84	142514	67.648	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	119327	53.767	ug/l	98
22) Diisopropyl ether	3.88	45	448140	61.769	ug/l	99
23) Vinyl Acetate	3.83	43	1991206	281.238	ug/l	99
24) 1,1-Dichloroethane	3.70	63	214951	49.796	ug/l	99
25) 2-Butanone	4.71	43	524920	283.193	ug/l	100
26) 2,2-Dichloropropane	4.59	77	145874	43.232	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	132884	55.057	ug/l	92
28) Bromochloromethane	5.03	49	116292	64.367	ug/l	100
29) Tetrahydrofuran	5.17	42	345362	288.988	ug/l	99
30) Chloroform	5.22	83	233248	55.997	ug/l	93
31) Cyclohexane	5.57	56	143017	41.899	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	180625	51.132	ug/l	100
36) 1,1-Dichloropropene	5.80	75	140108	42.400	ug/l	100
37) Ethyl Acetate	4.87	43	210934	53.080	ug/l	100
38) Carbon Tetrachloride	5.79	117	147844	42.768	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX060718\
 Data File : VX002390.D
 Acq On : 07 Jun 2018 20:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/8/2018 1:20:29 PM

Quant Time: Jun 08 03:10:09 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	137694	33.814	ug/l	99
40) Benzene	6.15	78	491576	48.518	ug/l	99
41) Methacrylonitrile	5.07	41	119010	52.315	ug/l	99
42) 1,2-Dichloroethane	6.20	62	206728	51.355	ug/l	99
43) Isopropyl Acetate	6.47	43	346943	51.401	ug/l	99
44) Trichloroethene	7.22	130	132916	47.268	ug/l	99
45) 1,2-Dichloropropane	7.52	63	136566	49.928	ug/l	98
46) Dibromomethane	7.67	93	94470	50.948	ug/l	99
47) Bromodichloromethane	7.90	83	170269	50.772	ug/l	98
48) Methyl methacrylate	7.78	41	177761	52.430	ug/l	98
49) 1,4-Dioxane	7.76	88	70066	1105.253	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1141256	271.509	ug/l	100
52) Toluene	8.79	92	317791	49.316	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	204791	50.922	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	192478	50.729	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	143522	54.152	ug/l	97
56) Ethyl methacrylate	9.18	69	224355	53.021	ug/l	99
57) 1,3-Dichloropropane	9.38	76	232970	52.396	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	523671	267.390	ug/l	99
59) 2-Hexanone	9.50	43	872770	268.817	ug/l	99
60) Dibromochloromethane	9.59	129	146455	54.937	ug/l	100
61) 1,2-Dibromoethane	9.68	107	149744	54.187	ug/l	99
64) Tetrachloroethene	9.34	164	138041	42.841	ug/l	99
65) Chlorobenzene	10.14	112	377639	48.576	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	142447	50.604	ug/l	100
67) Ethyl Benzene	10.26	91	613073	47.122	ug/l	100
68) m/p-Xylenes	10.36	106	477590	94.434	ug/l	100
69) o-Xylene	10.70	106	246981	49.073	ug/l	99
70) Styrene	10.71	104	420089	51.058	ug/l	99
71) Bromoform	10.86	173	112570	45.022	ug/l	100
73) Isopropylbenzene	11.02	105	616187	45.103	ug/l	100
74) N-amyl acetate	6.47	43	346943	47.130	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	216686	50.430	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	211978m	49.191	ug/l	
77) Bromobenzene	11.26	156	188353	49.109	ug/l	98
78) n-propylbenzene	11.37	91	684140	45.055	ug/l	99
79) 2-Chlorotoluene	11.43	91	441069	46.002	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	536407	45.777	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	54251	44.130	ug/l	95
82) 4-Chlorotoluene	11.51	91	517046	46.720	ug/l	99
83) tert-Butylbenzene	11.77	119	522493	45.790	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	572379	47.452	ug/l	99
85) sec-Butylbenzene	11.95	105	593286	44.351	ug/l	100
86) p-Isopropyltoluene	12.07	119	551078	45.227	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	329051	47.983	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	335514	47.465	ug/l	99
89) n-Butylbenzene	12.39	91	444329	43.480	ug/l	99
90) Hexachloroethane	12.60	117	85101	43.752	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	351177	49.494	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	48961	52.107	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060718\
Data File : VX002390.D
Acq On : 07 Jun 2018 20:47
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

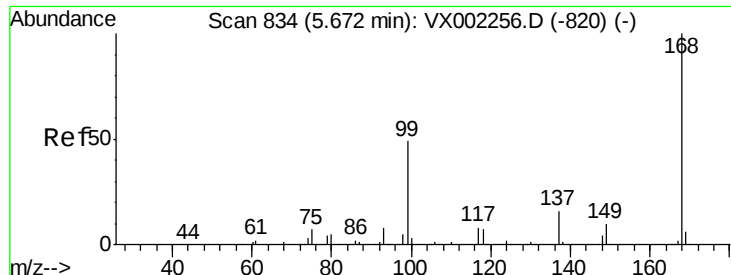
Manual Integrations
APPROVED

MMDadoda
6/8/2018 1:20:29 PM

Quant Time: Jun 08 03:10:09 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	238183	47.874	ug/l	99
94) Hexachlorobutadiene	13.79	225	100275	40.787	ug/l	99
95) Naphthalene	13.84	128	754859	52.807	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	252219	49.709	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 168 Resp: 189045

Ion Ratio Lower Upper

168 100

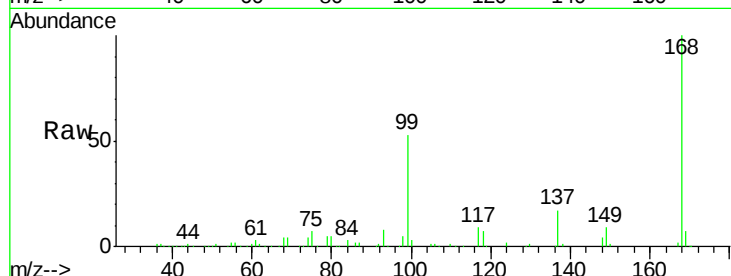
99 52.5 39.3 58.9

Manual Integrations

APPROVED

MMDadoda

6/8/2018 1:20:29 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

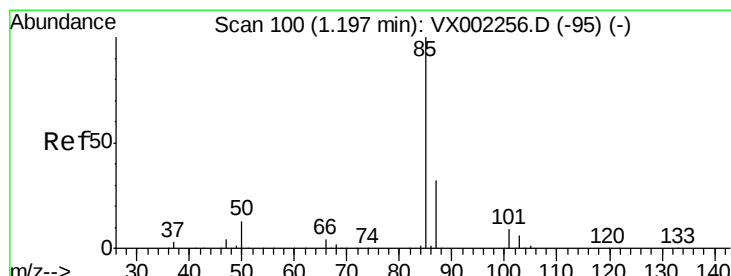
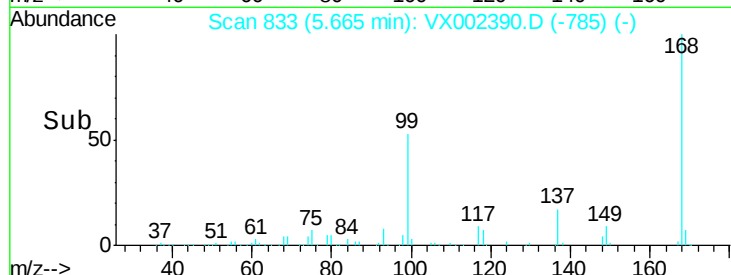
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 39.977 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002390.D

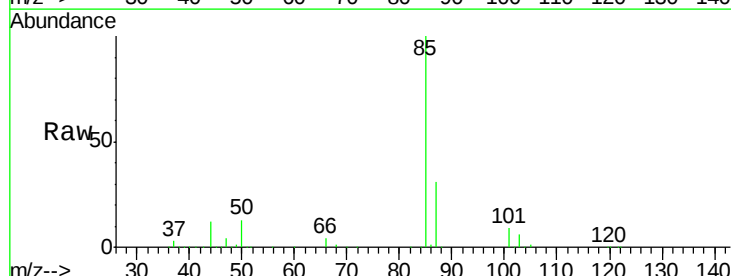
Acq: 07 Jun 2018 20:47

Tgt Ion: 85 Resp: 78562

Ion Ratio Lower Upper

85 100

87 31.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

60000

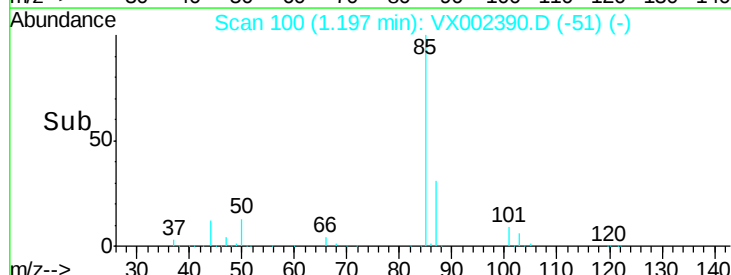
40000

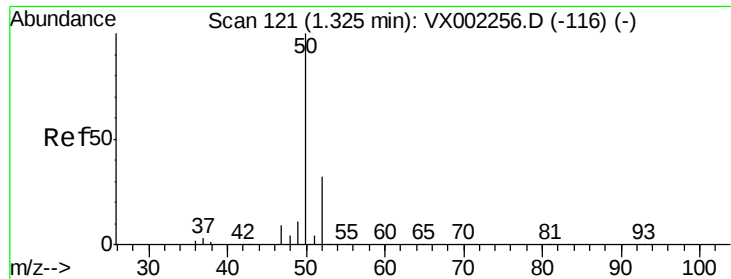
20000

0

Time-->

1.10 1.20 1.30





#3

Chloromethane

Concen: 52.623 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 118153

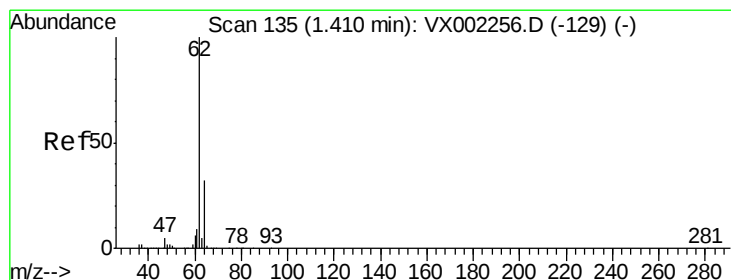
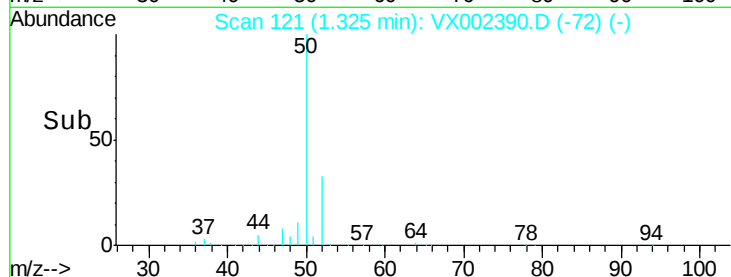
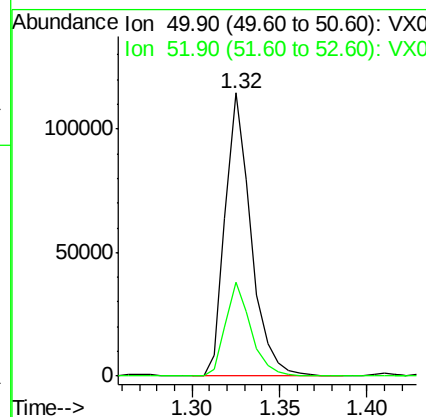
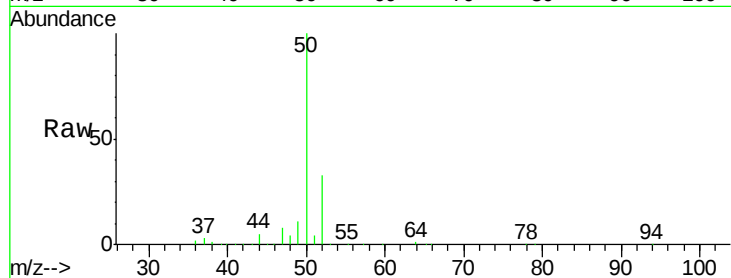
Ion Ratio Lower Upper

50 100

52 33.2 25.7 38.5

Manual Integrations
APPROVED

MMDadoda
6/8/2018 1:20:29 PM



#4

Vinyl Chloride

Concen: 48.403 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX002390.D

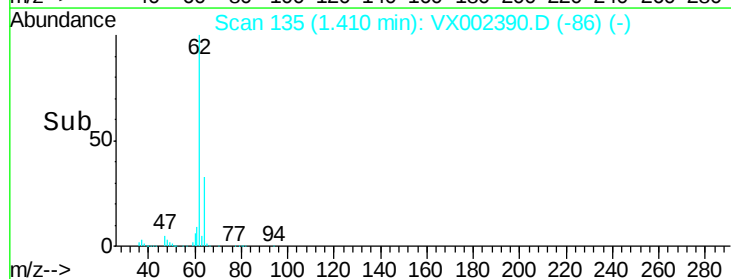
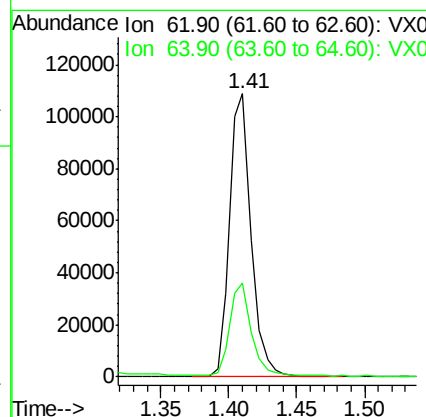
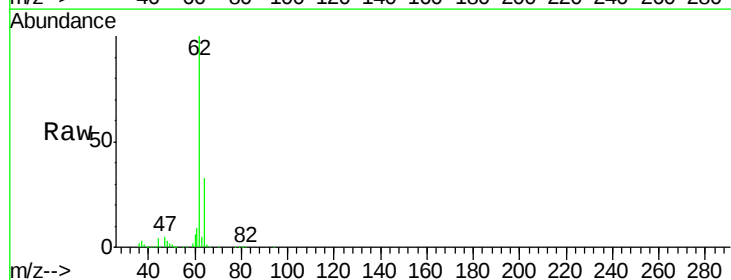
Acq: 07 Jun 2018 20:47

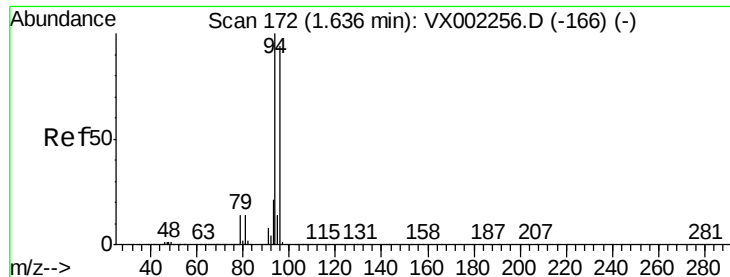
Tgt Ion: 62 Resp: 119883

Ion Ratio Lower Upper

62 100

64 32.6 25.4 38.2





#5

Bromomethane

Concen: 57.015 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 79257

Ion Ratio Lower Upper

94 100

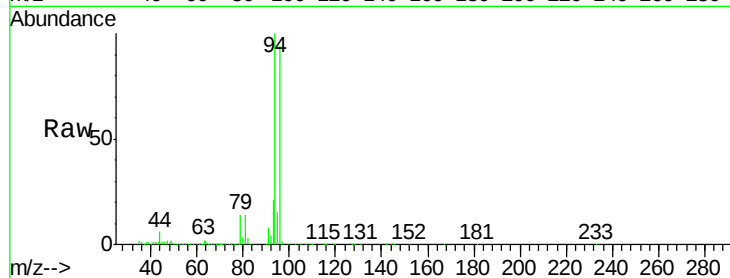
96 94.3 74.9 112.3

Manual Integrations

APPROVED

MMDadoda

6/8/2018 1:20:29 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

80000

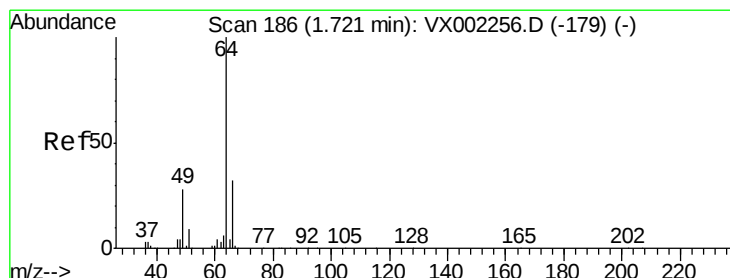
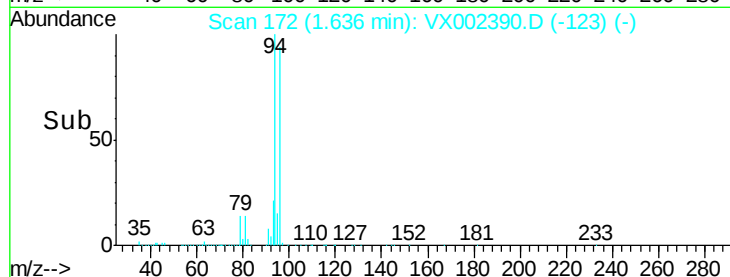
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 55.650 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX002390.D

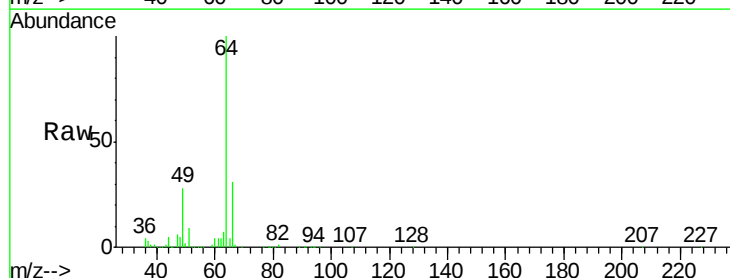
Acq: 07 Jun 2018 20:47

Tgt Ion: 64 Resp: 89158

Ion Ratio Lower Upper

64 100

66 31.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

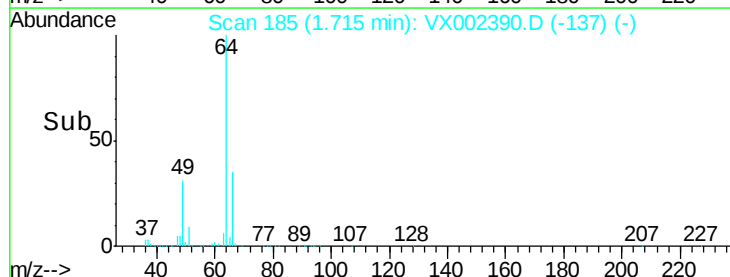
60000

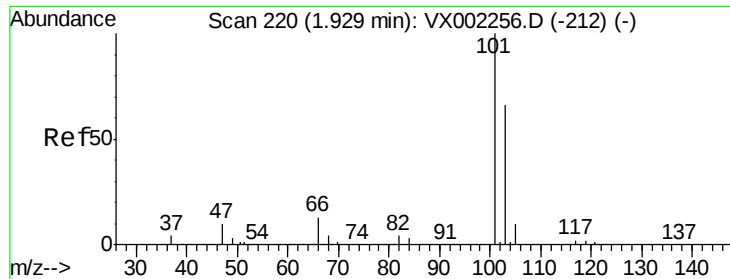
40000

20000

0

Time-->





#7

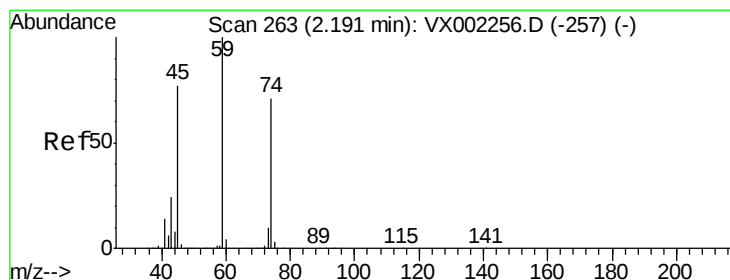
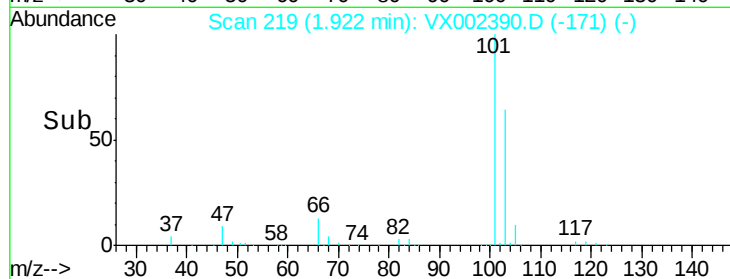
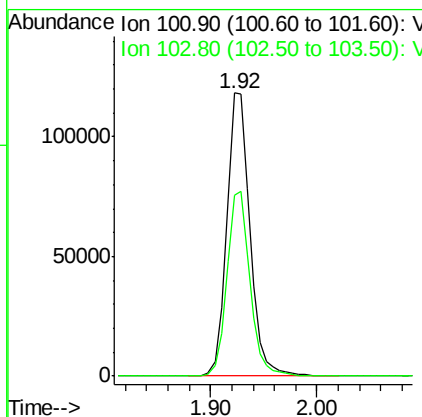
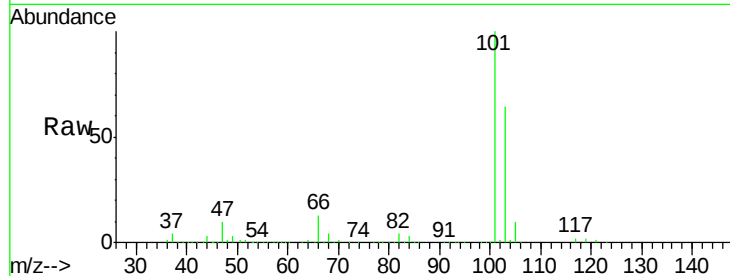
Trichlorofluoromethane
 Concen: 47.861 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX002390.D
 Acq: 07 Jun 2018 20:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:101 Resp: 180609
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.8 79.2

Manual Integrations
 APPROVED

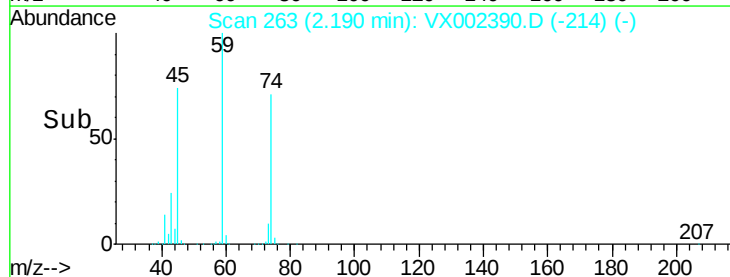
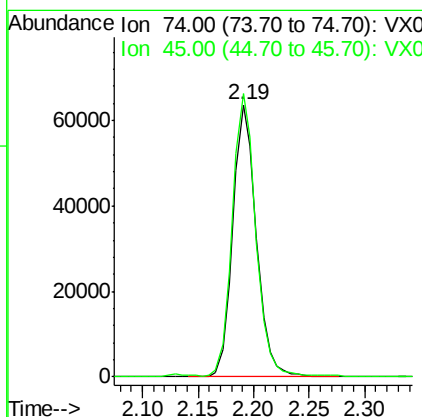
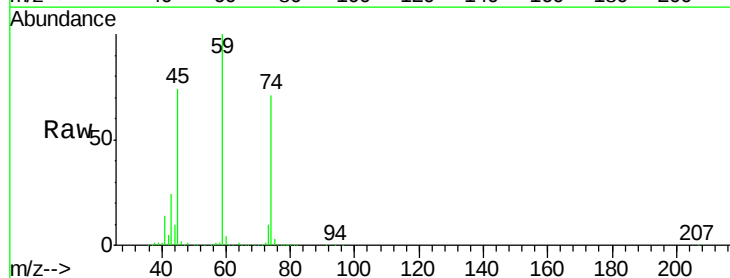
MMDadoda
 6/8/2018 1:20:29 PM



#8

Diethyl Ether
 Concen: 70.468 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002390.D
 Acq: 07 Jun 2018 20:47

Tgt Ion: 74 Resp: 93184
 Ion Ratio Lower Upper
 74 100
 45 103.3 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.477 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Instrument :

MSVOA_X

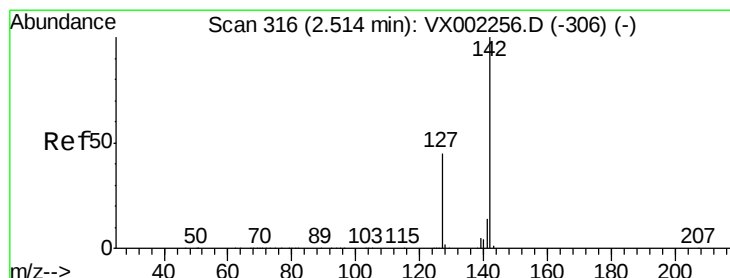
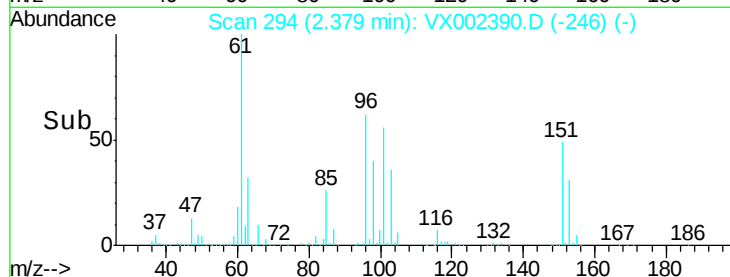
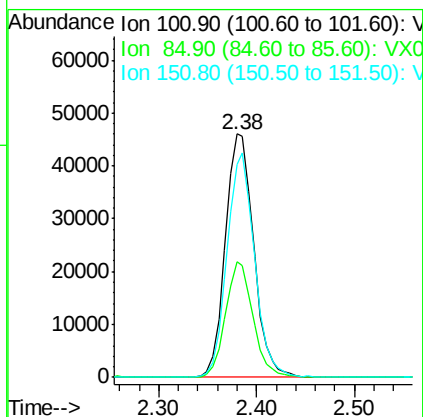
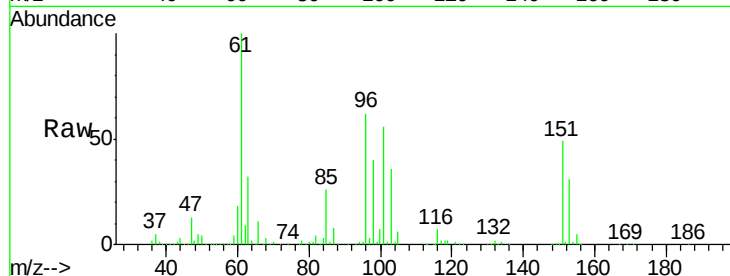
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	92611
Ion Ratio	Lower	Upper	
101	100		
85	46.0	36.0	54.0
151	89.4	70.9	106.3

Manual Integrations
APPROVED

MMDadoda
6/8/2018 1:20:29 PM



#10

Methyl Iodide

Concen: 49.096 ug/l

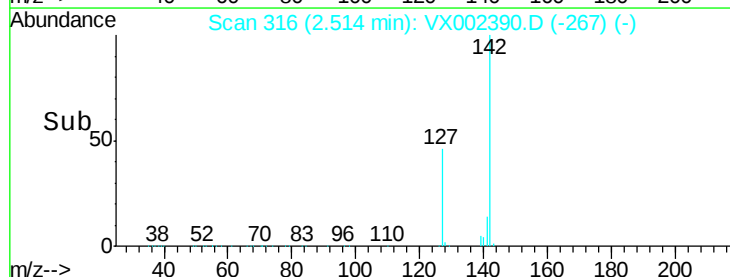
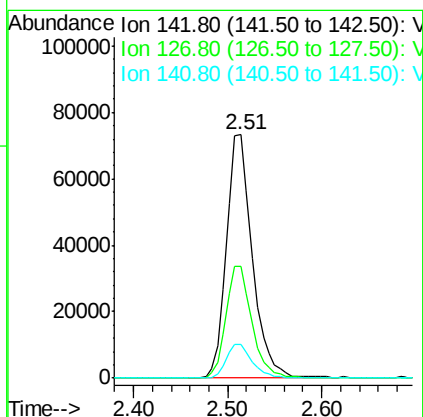
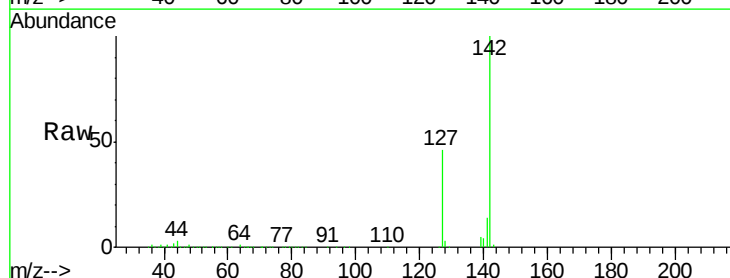
RT: 2.51 min Scan# 316

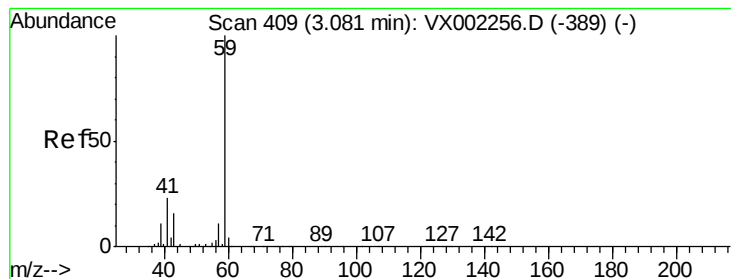
Delta R.T. -0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Tgt Ion:	142	Resp:	140626
Ion Ratio	Lower	Upper	
142	100		
127	46.1	36.6	55.0
141	14.1	11.3	16.9





#11

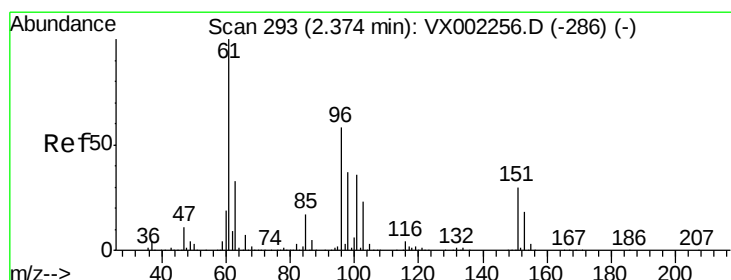
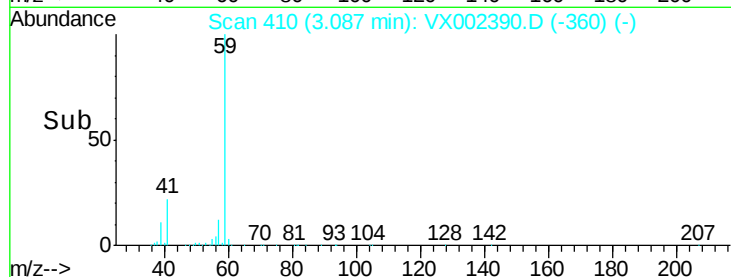
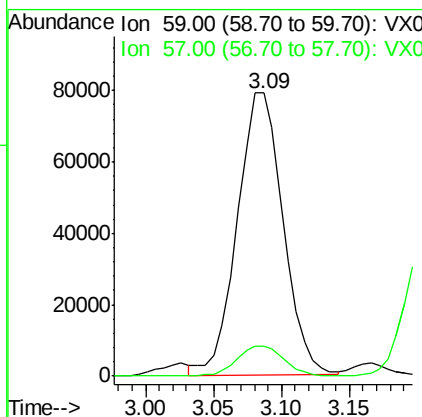
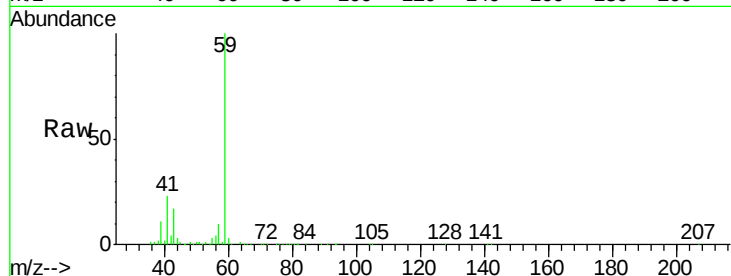
Tert butyl alcohol
Concen: 343.468 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 186196
Ion Ratio Lower Upper
59 100
57 11.0 8.2 12.2

Manual Integrations
APPROVED

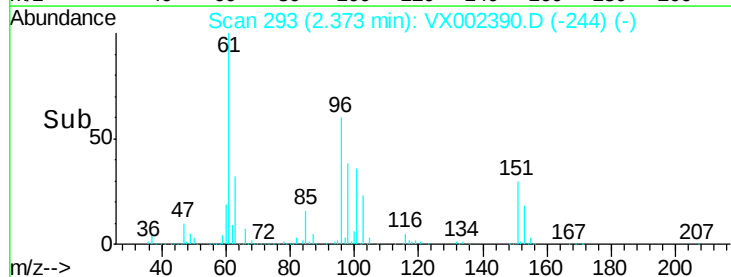
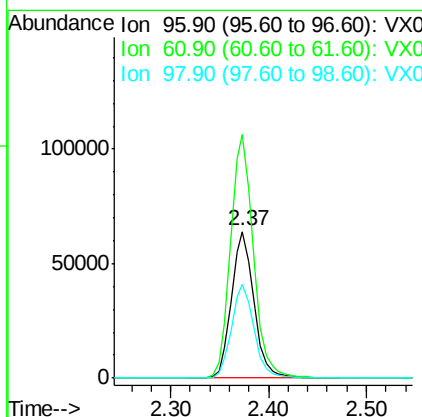
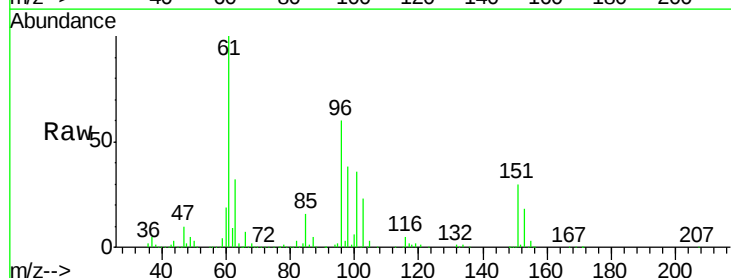
MMDadoda
6/8/2018 1:20:29 PM

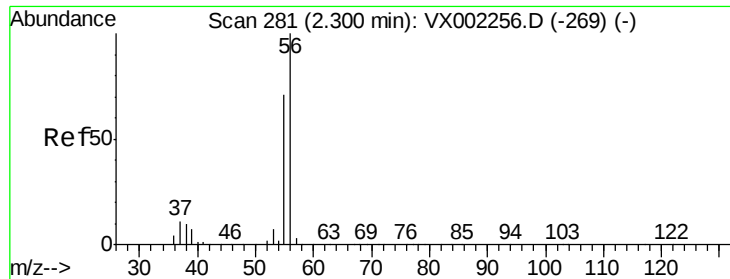


#12

1,1-Dichloroethene
Concen: 50.638 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Tgt Ion: 96 Resp: 101910
Ion Ratio Lower Upper
96 100
61 166.4 137.9 206.9
98 63.7 51.6 77.4





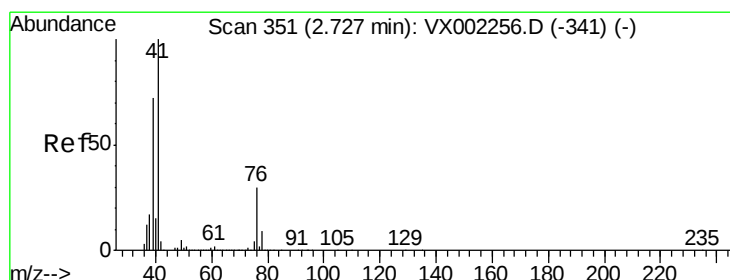
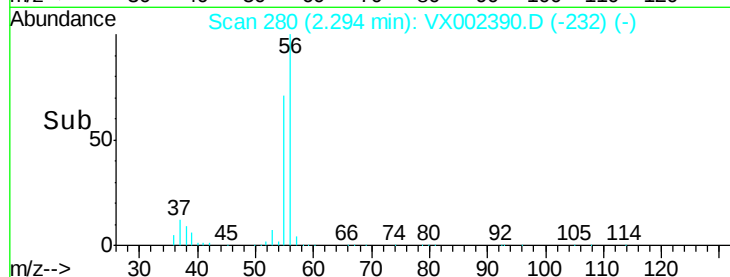
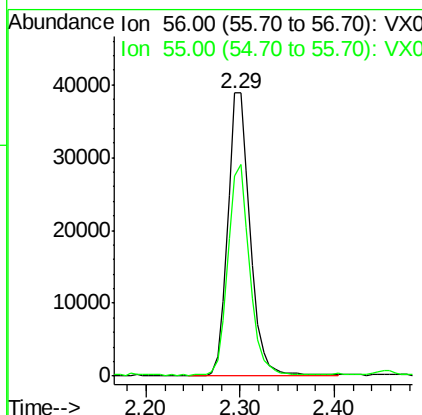
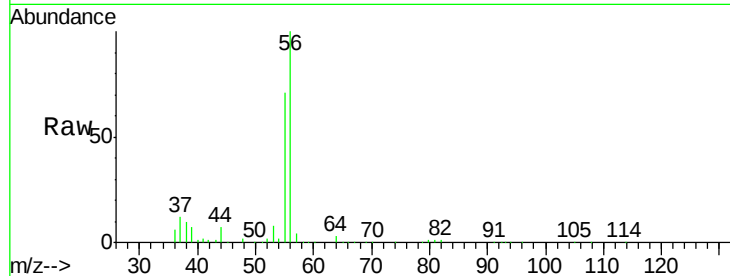
#13
Acrolein
Concen: 239.157 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 64308
Ion Ratio Lower Upper
56 100
55 71.2 57.0 85.4

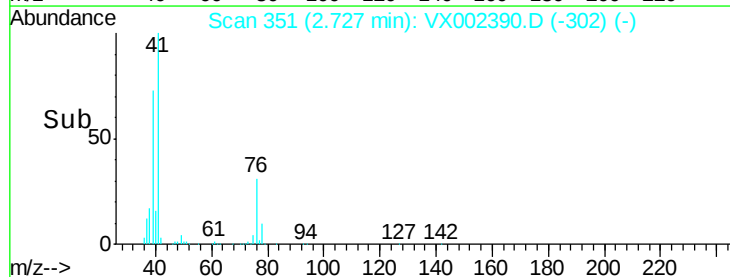
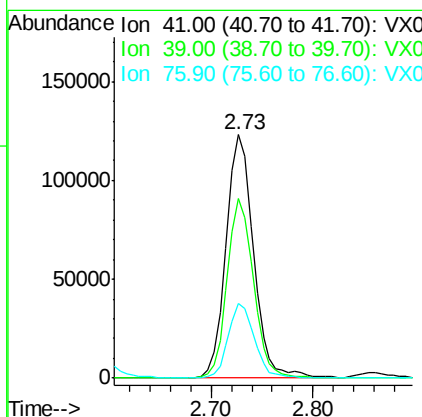
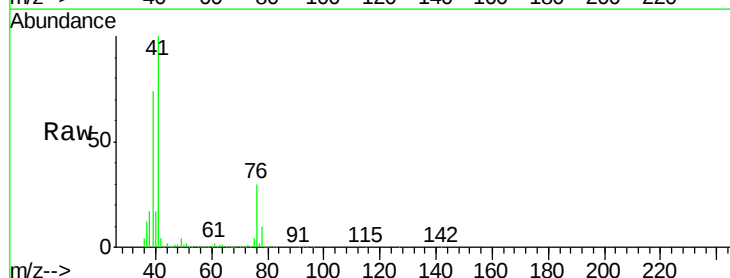
Manual Integrations
APPROVED

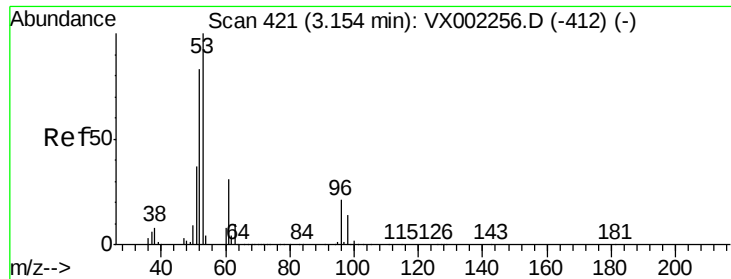
MMDadoda
6/8/2018 1:20:29 PM



#14
Allyl chloride
Concen: 52.483 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Tgt Ion: 41 Resp: 229217
Ion Ratio Lower Upper
41 100
39 70.1 56.8 85.2
76 28.9 23.8 35.8





#15

Acrylonitrile

Concen: 354.691 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Instrument :

MSVOA_X

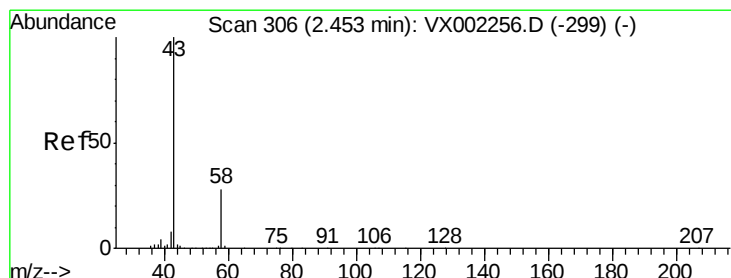
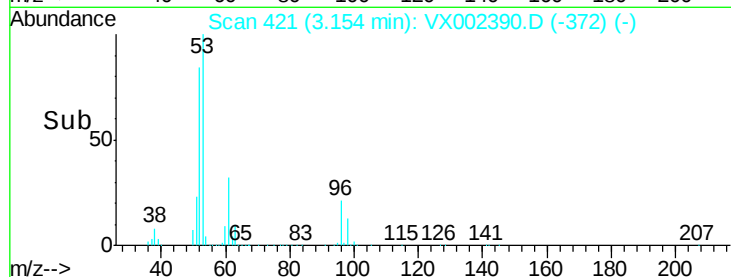
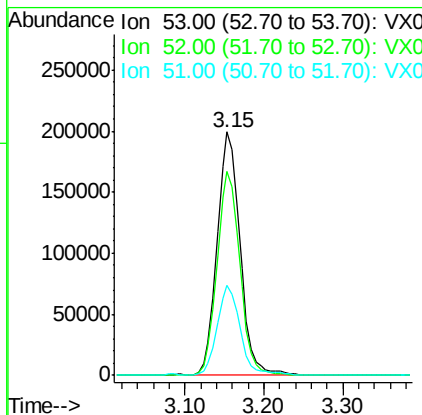
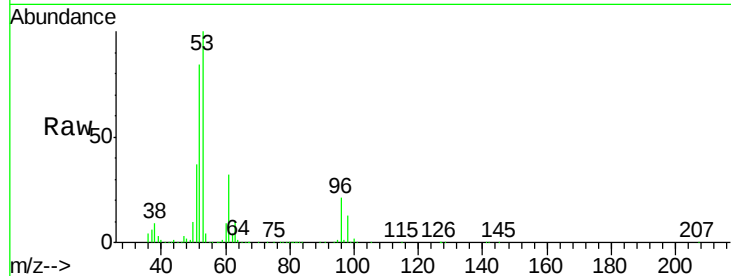
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	403422
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.7	100.1
51	37.1	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
6/8/2018 1:20:29 PM



#16

Acetone

Concen: 331.919 ug/l

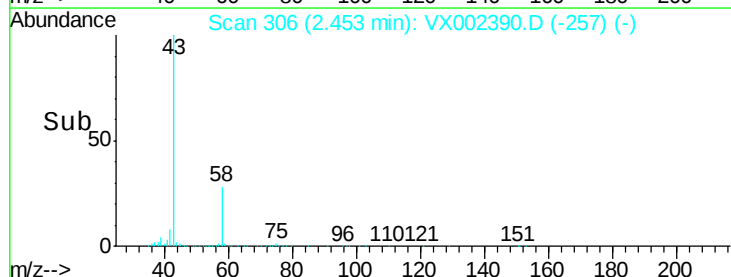
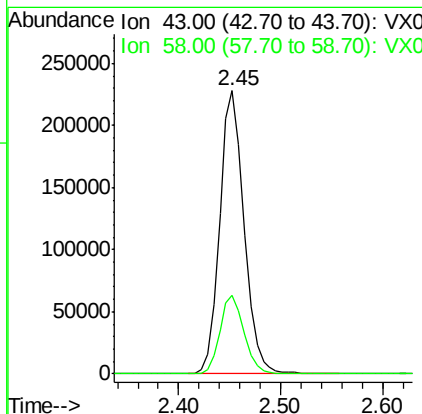
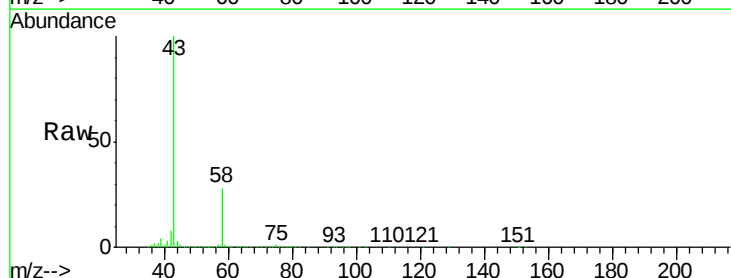
RT: 2.45 min Scan# 306

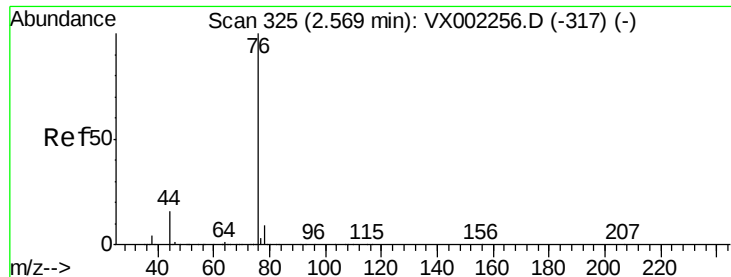
Delta R.T. 0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Tgt Ion:	43	Resp:	378603
Ion Ratio	Lower	Upper	
43	100		
58	27.6	22.1	33.1





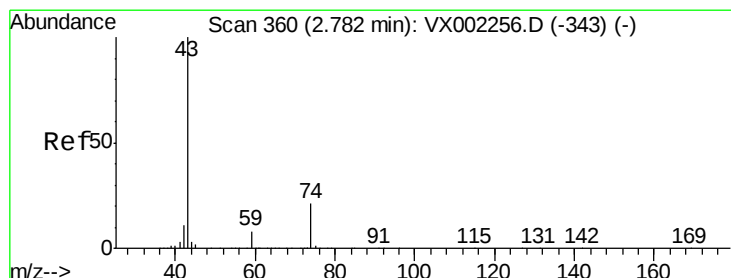
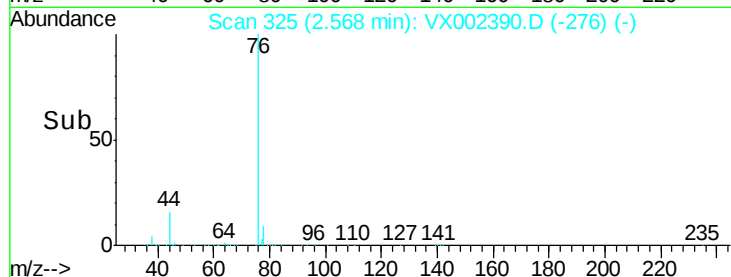
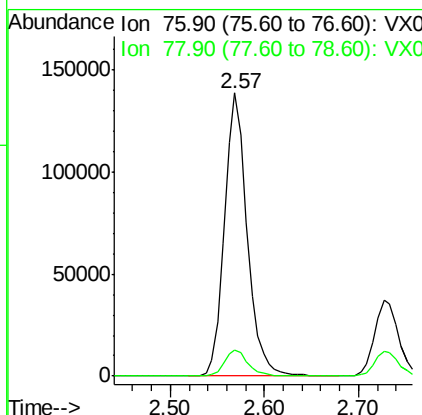
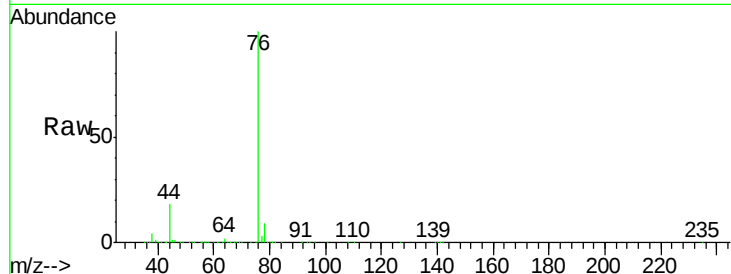
#17
Carbon Disulfide
Concen: 43.841 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.9	10.3

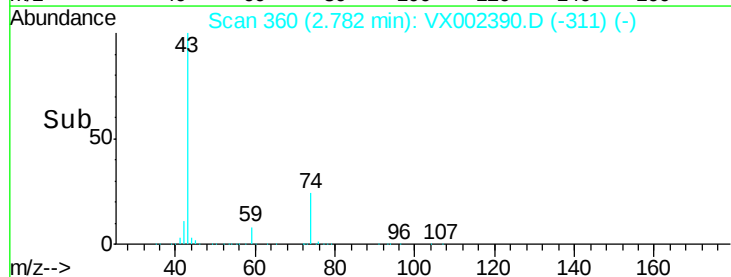
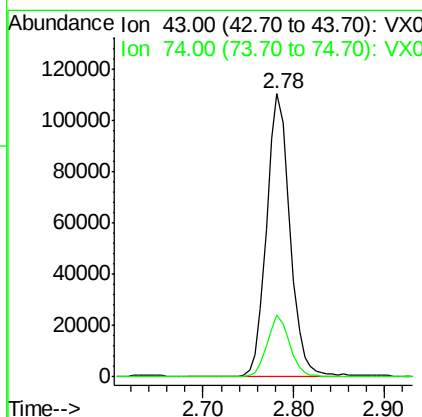
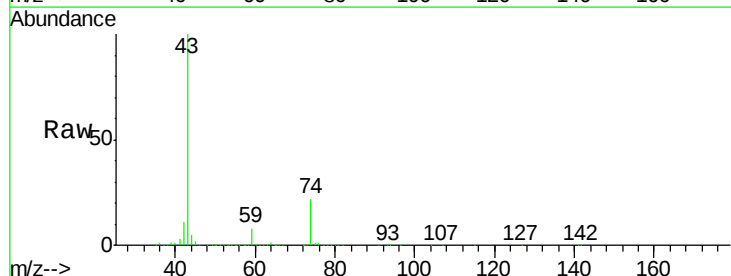
Manual Integrations
APPROVED

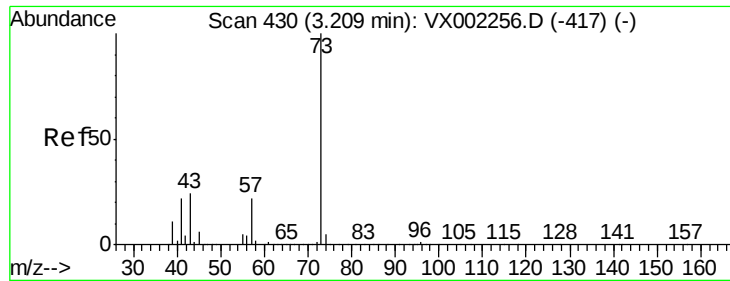
MMDadoda
6/8/2018 1:20:29 PM



#18
Methyl Acetate
Concen: 73.738 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.6	16.7	25.1





#19

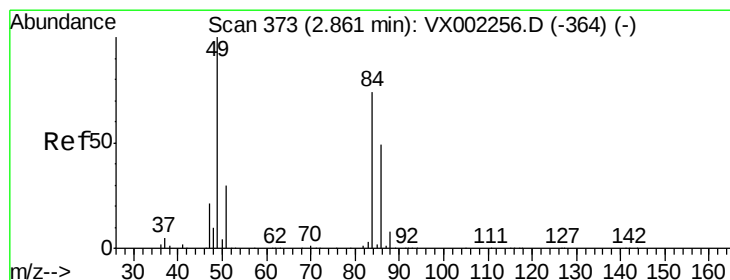
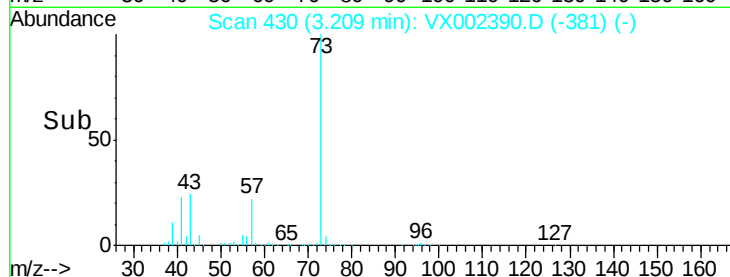
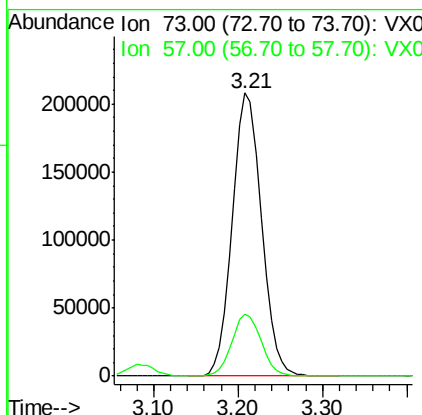
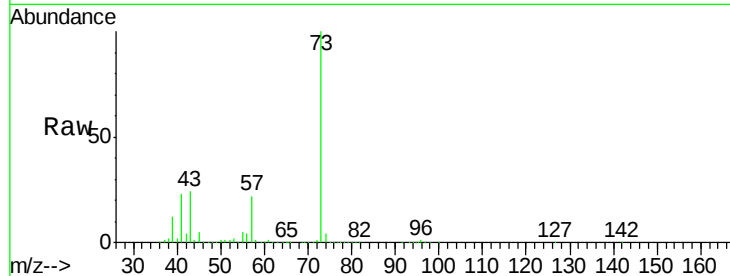
Methyl tert-butyl Ether
 Concen: 70.700 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX002390.D
 Acq: 07 Jun 2018 20:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 73 Resp: 488539
 Ion Ratio Lower Upper
 73 100
 57 21.7 17.7 26.5

Manual Integrations
 APPROVED

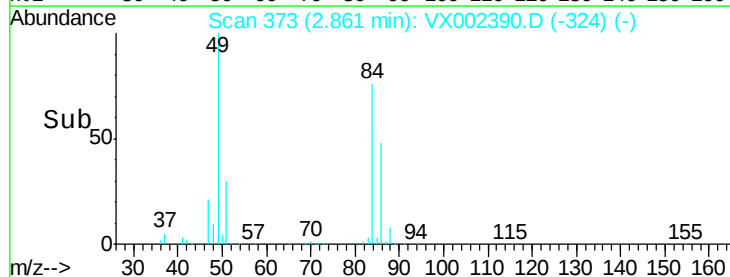
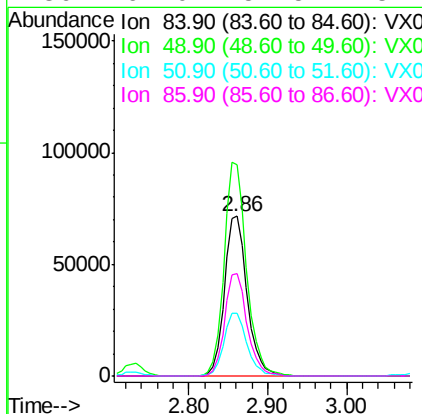
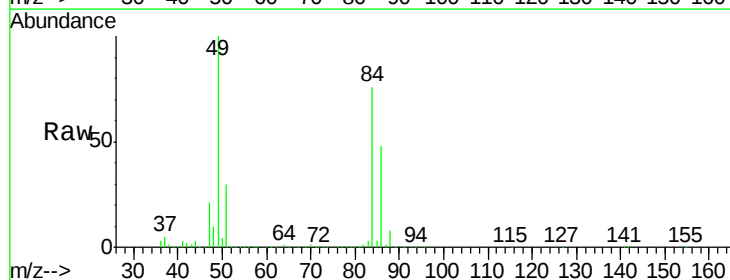
MMDadoda
 6/8/2018 1:20:29 PM

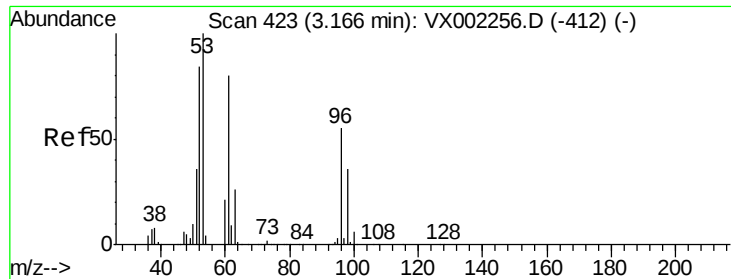


#20

Methylene Chloride
 Concen: 67.648 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX002390.D
 Acq: 07 Jun 2018 20:47

Tgt Ion: 84 Resp: 142514
 Ion Ratio Lower Upper
 84 100
 49 132.2 107.8 161.6
 51 39.0 32.8 49.2
 86 64.0 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 53.767 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Instrument :

MSVOA_X

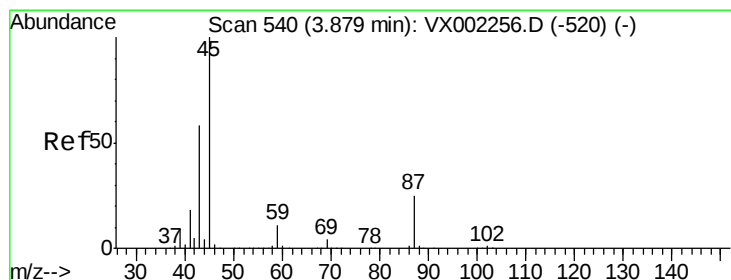
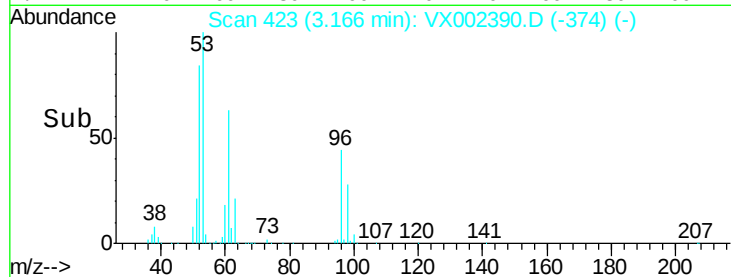
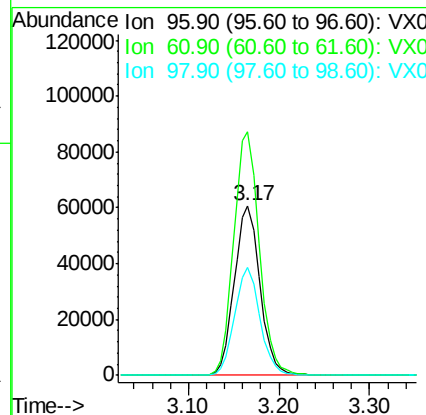
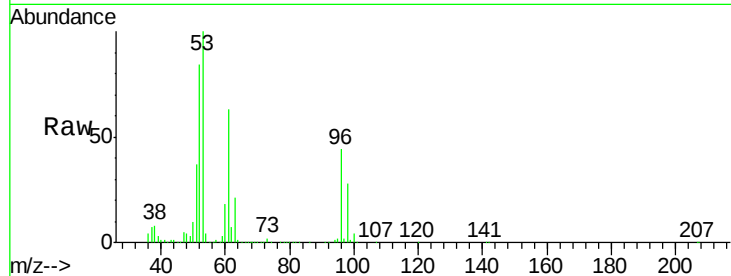
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	119327
Ion	Ratio	Lower	Upper
96	100		
61	143.2	117.0	175.4
98	63.4	52.4	78.6

Manual Integrations
APPROVED

MMDadoda
6/8/2018 1:20:29 PM



#22

Diisopropyl ether

Concen: 61.769 ug/l

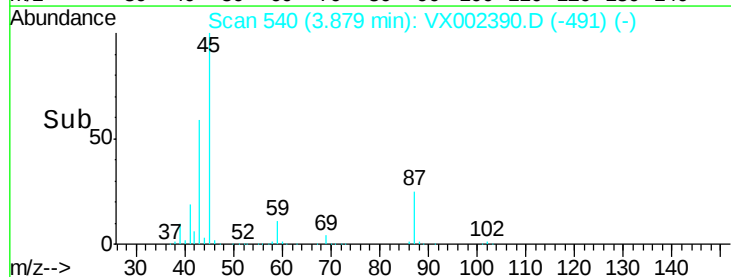
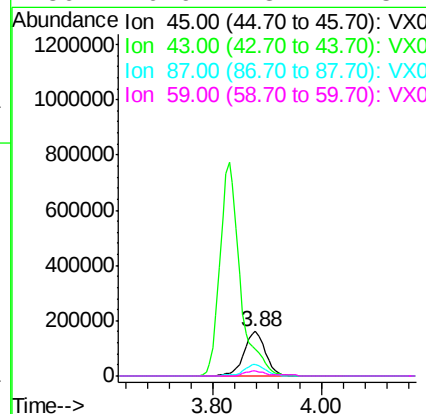
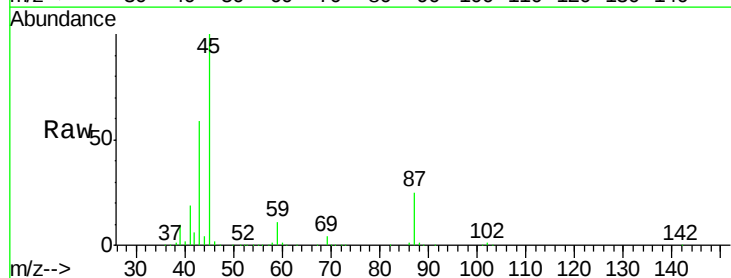
RT: 3.88 min Scan# 540

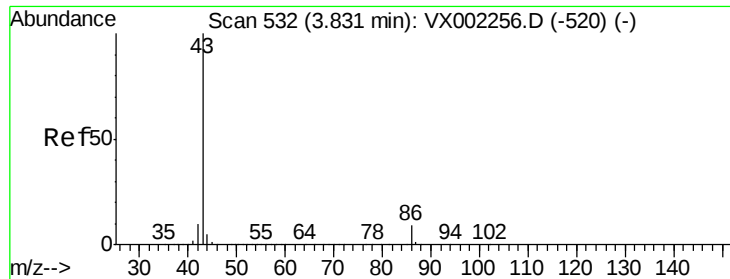
Delta R.T. 0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Tgt Ion:	45	Resp:	448140
Ion	Ratio	Lower	Upper
45	100		
43	59.2	46.8	70.2
87	25.3	20.2	30.4
59	10.9	8.7	13.1





#23

Vinyl Acetate

Concen: 281.238 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1991206

Ion Ratio Lower Upper

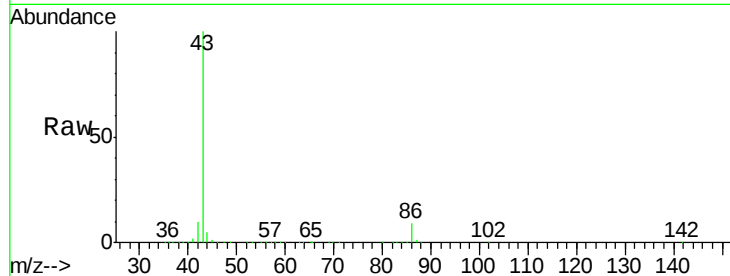
43 100

86 9.4 7.4 11.0

Manual Integrations
APPROVED

MMDadoda

6/8/2018 1:20:29 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

800000

600000

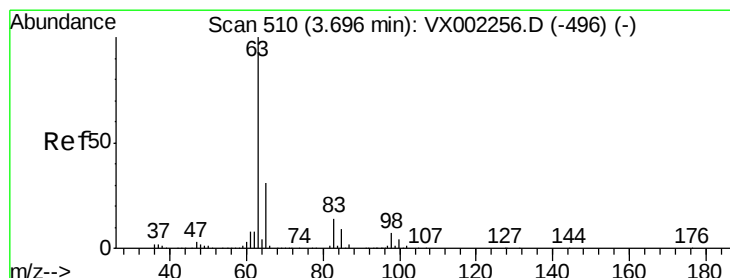
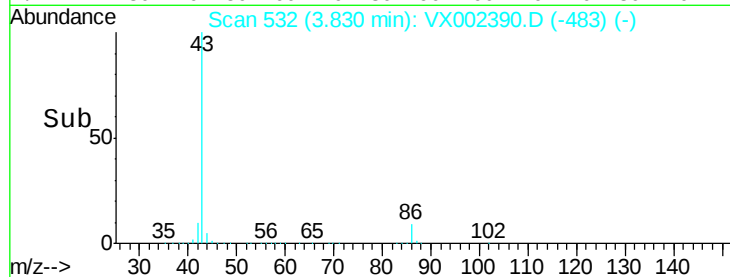
400000

200000

0

3.80 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 49.796 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

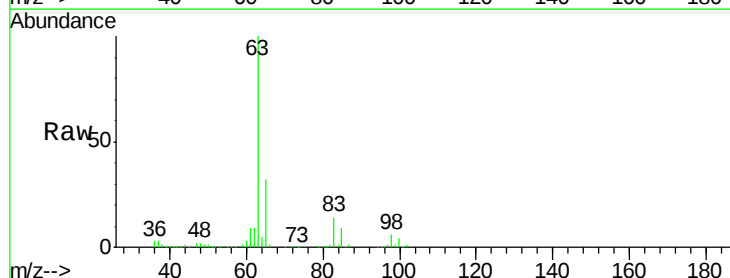
Tgt Ion: 63 Resp: 214951

Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.2

100 4.3 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

120000

100000

80000

60000

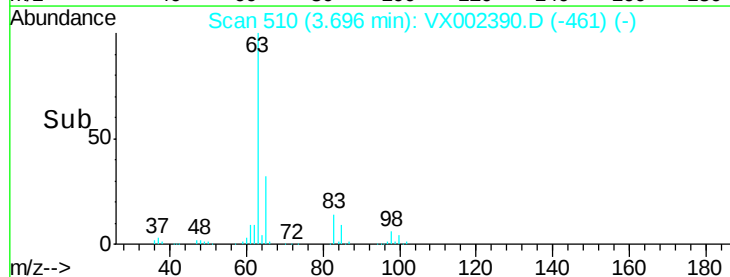
40000

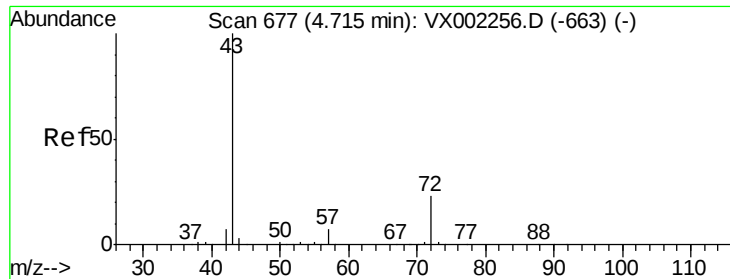
20000

0

3.60 3.70 3.80 3.90

Time-->





#25

2-Butanone

Concen: 283.193 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 524920

Ion Ratio Lower Upper

43 100

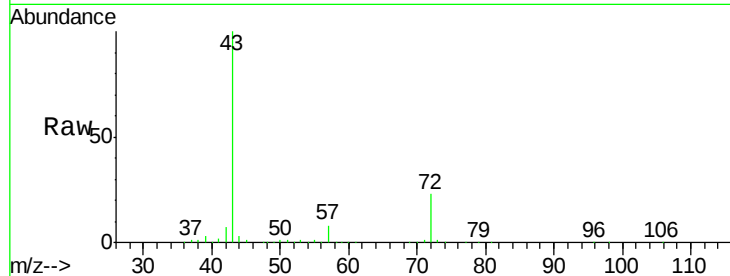
72 23.3 18.5 27.7

Manual Integrations

APPROVED

MMDadoda

6/8/2018 1:20:29 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

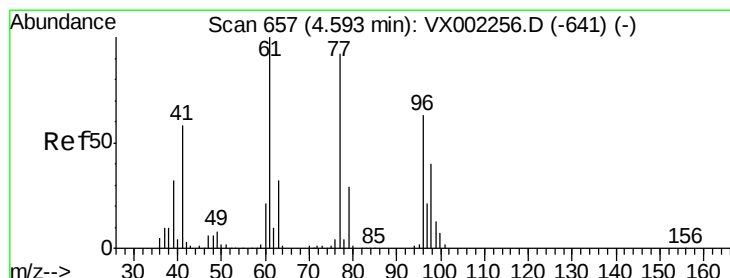
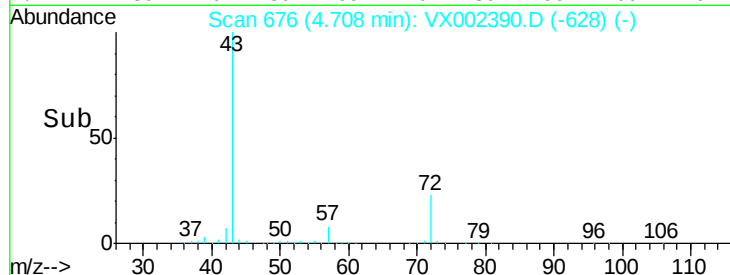
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 43.232 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002390.D

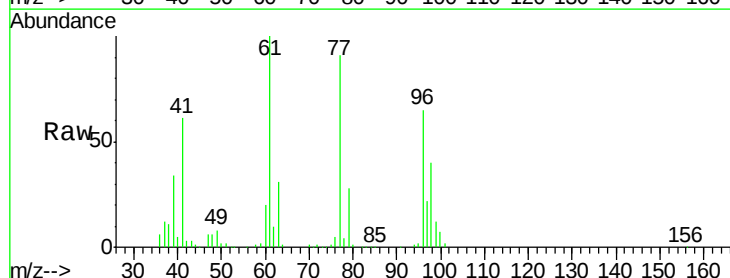
Acq: 07 Jun 2018 20:47

Tgt Ion: 77 Resp: 145874

Ion Ratio Lower Upper

77 100

97 23.0 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

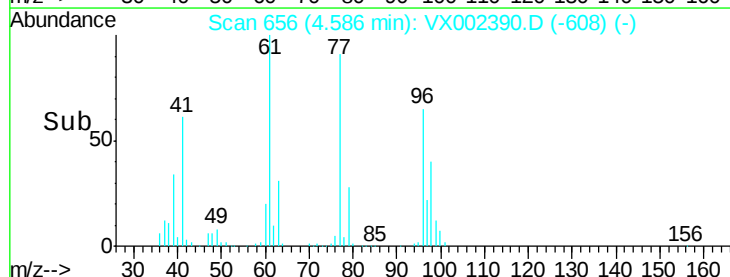
20000

10000

0

4.40 4.50 4.60 4.70 4.80

Time-->





#27

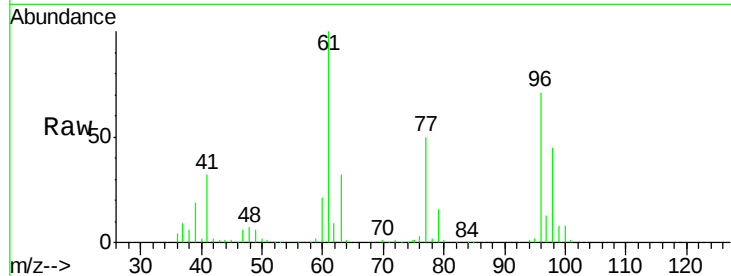
cis-1,2-Dichloroethene
 Concen: 55.057 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VX002390.D
 Acq: 07 Jun 2018 20:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

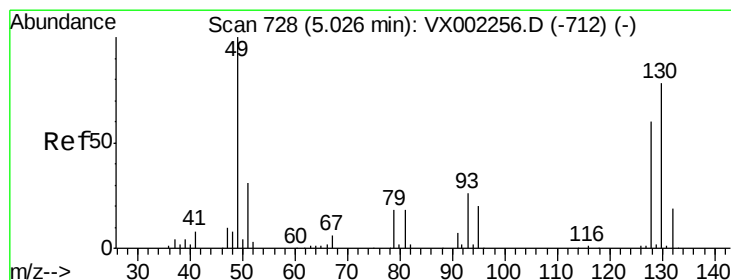
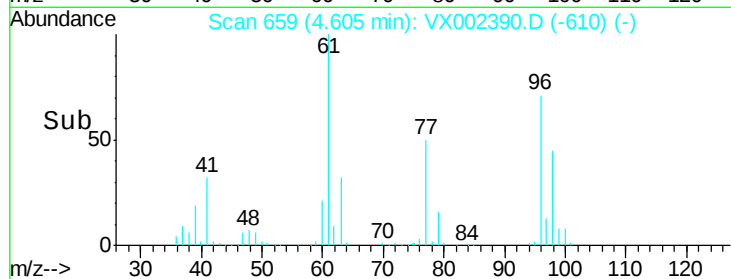
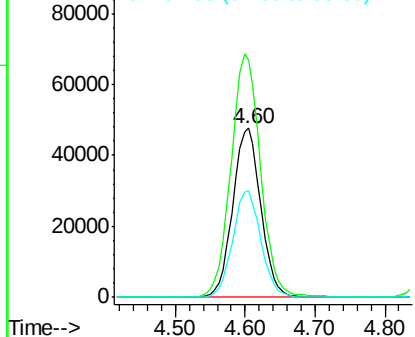
Tgt Ion	Ratio	Resp	Lower	Upper
96	100	132884		
61	151.8	0.0	330.2	
98	63.3	0.0	130.2	

Manual Integrations
 APPROVED

MMDadoda
 6/8/2018 1:20:29 PM



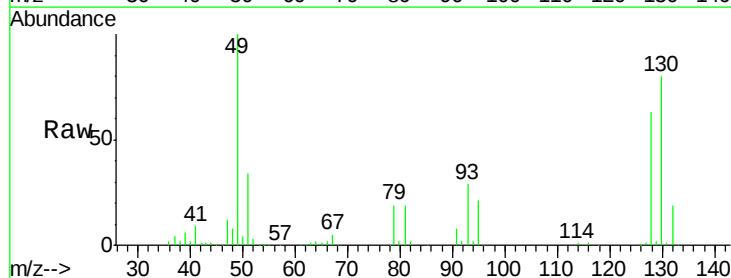
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



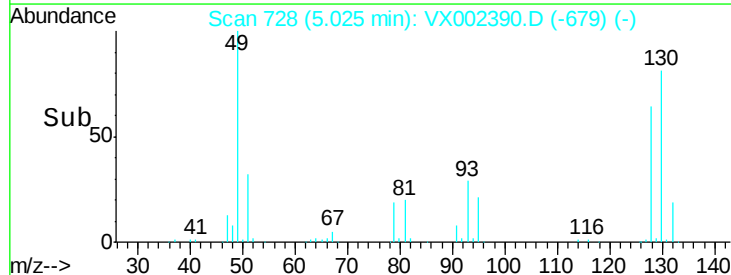
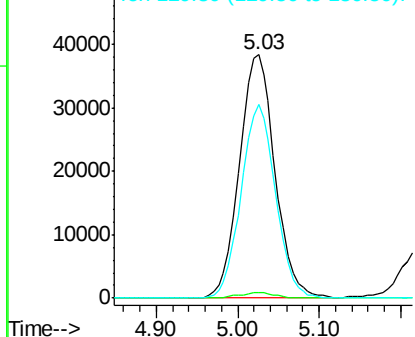
#28

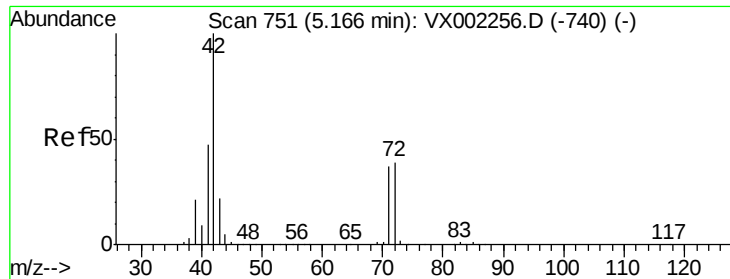
Bromochloromethane
 Concen: 64.367 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VX002390.D
 Acq: 07 Jun 2018 20:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	116292		
129	2.2	0.0	4.2	
130	76.9	61.2	91.8	



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





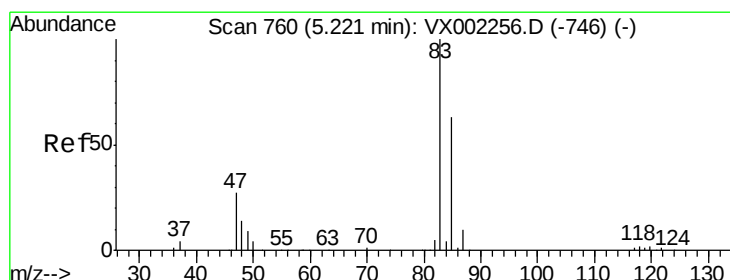
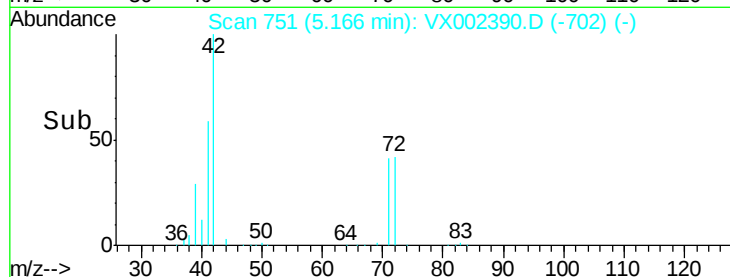
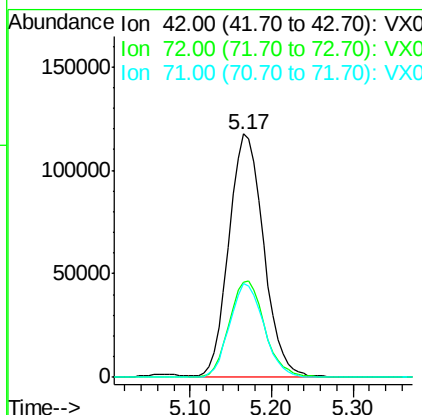
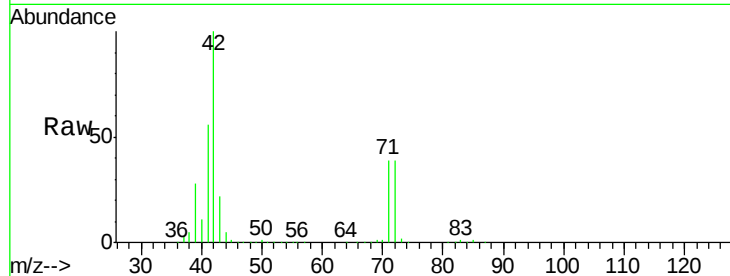
#29
Tetrahydrofuran
Concen: 288.988 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.0	48.0
71	38.4	30.1	45.1

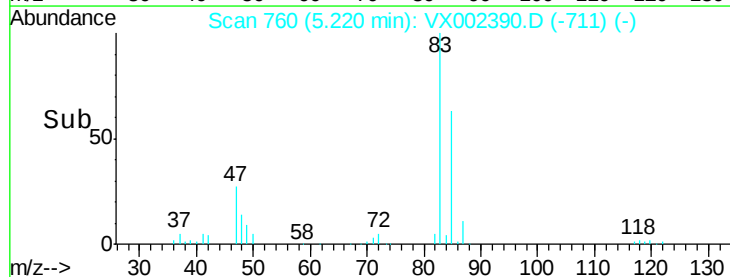
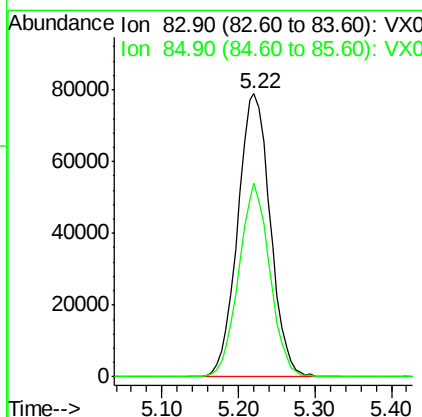
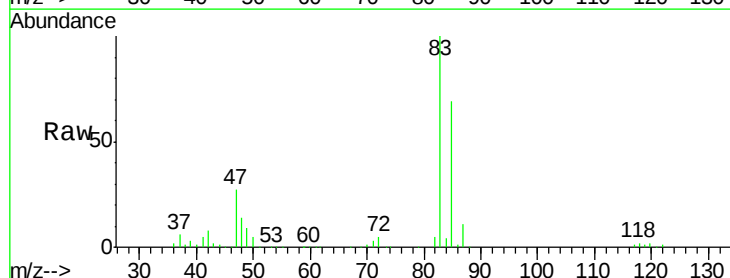
Manual Integrations
APPROVED

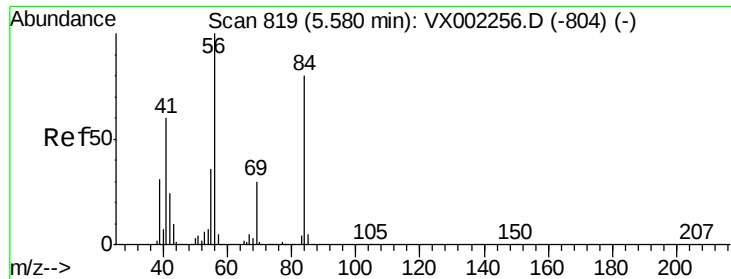
MMDadoda
6/8/2018 1:20:29 PM



#30
Chloroform
Concen: 55.997 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.6	50.4	75.6





#31

Cyclohexane

Concen: 41.899 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Instrument :

MSVOA_X

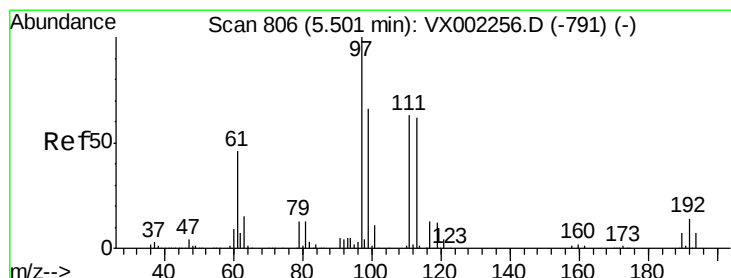
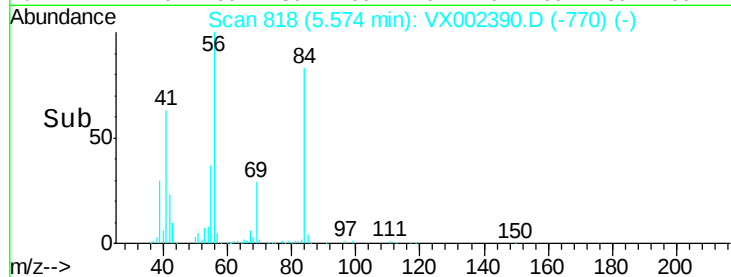
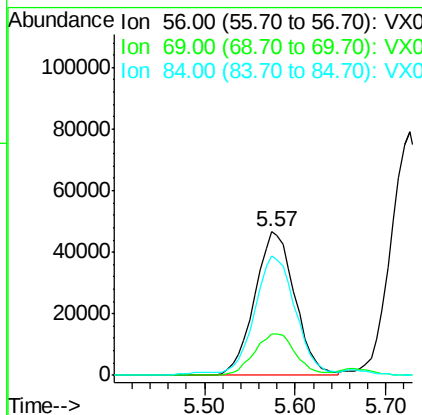
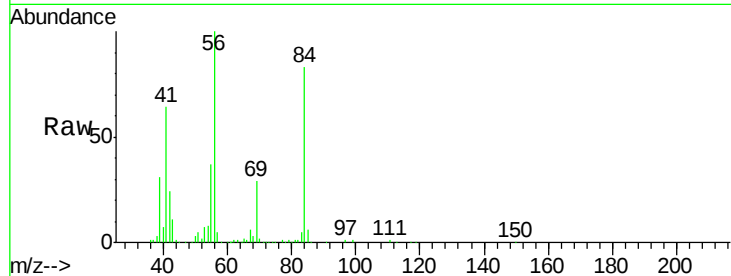
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	56	Resp:	143017
Ion	Ratio	Lower	Upper
56	100		
69	29.2	23.7	35.5
84	81.6	64.1	96.1

Manual Integrations
APPROVED

MMDadoda
6/8/2018 1:20:29 PM



#32

1,1,1-Trichloroethane

Concen: 51.132 ug/l

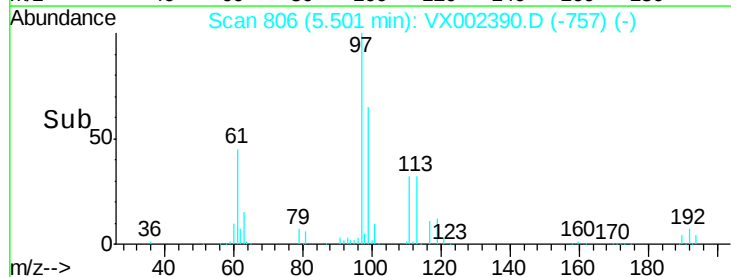
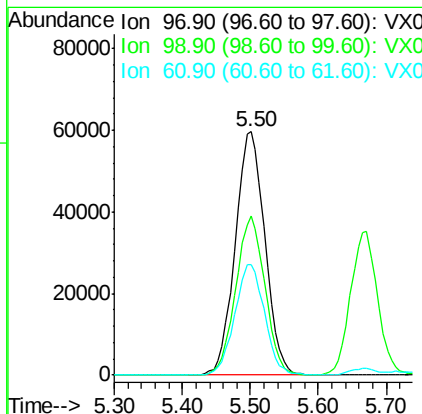
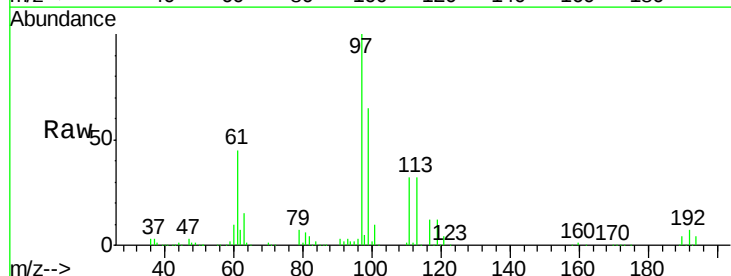
RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Tgt Ion:	97	Resp:	180625
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	45.8	36.4	54.6





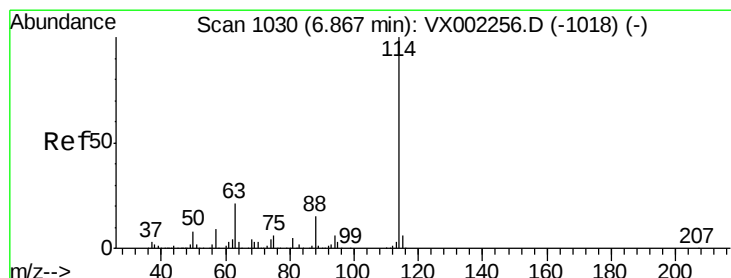
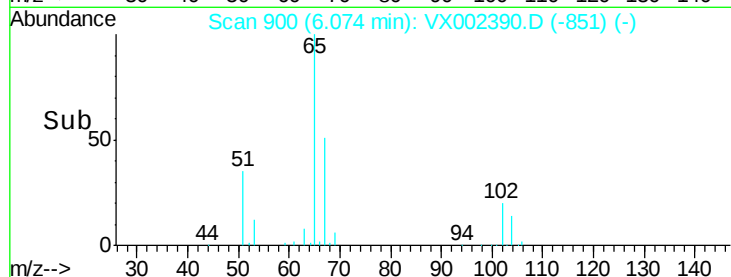
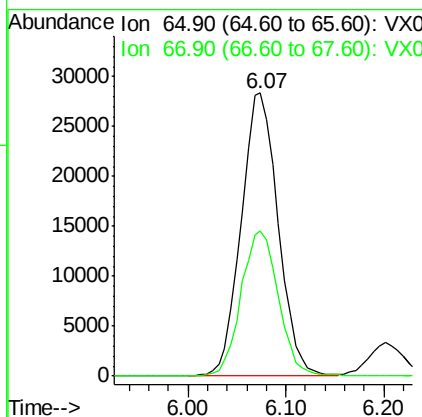
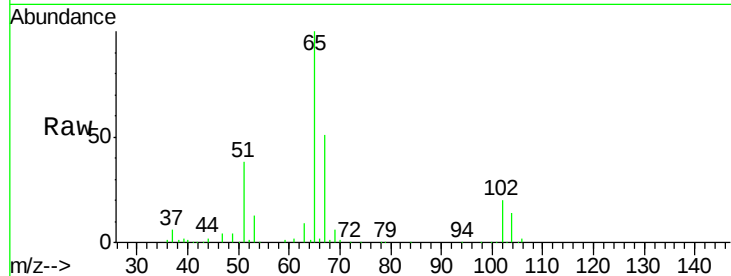
#33
 1,2-Dichloroethane-d4
 Concen: 25.847 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002390.D
 Acq: 07 Jun 2018 20:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 74390
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.6

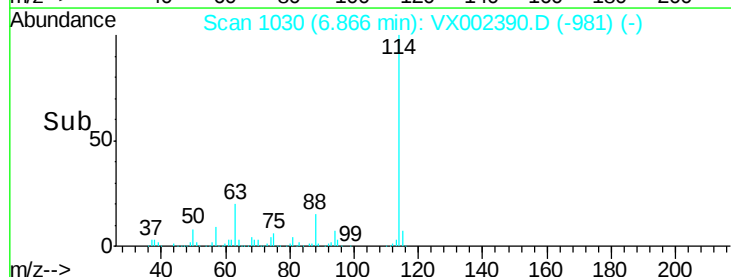
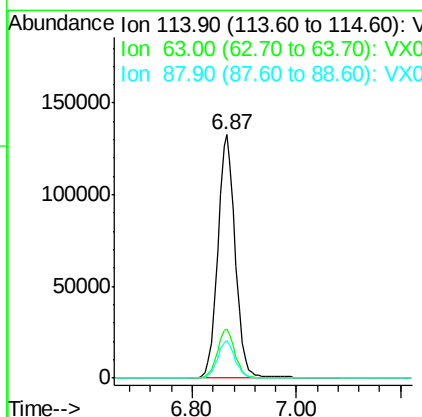
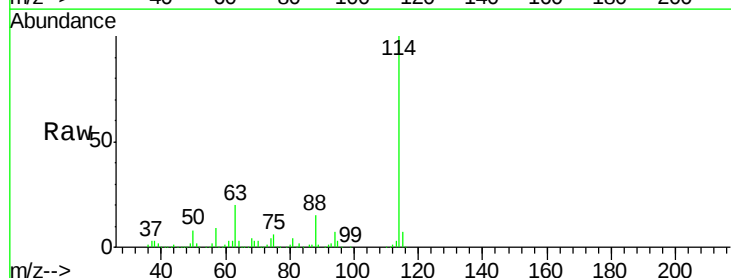
Manual Integrations
 APPROVED

MMDadoda
 6/8/2018 1:20:29 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002390.D
 Acq: 07 Jun 2018 20:47

Tgt Ion: 114 Resp: 314321
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.4
 88 15.4 0.0 30.0





#35

Dibromofluoromethane

Concen: 23.087 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Instrument :

MSVOA_X

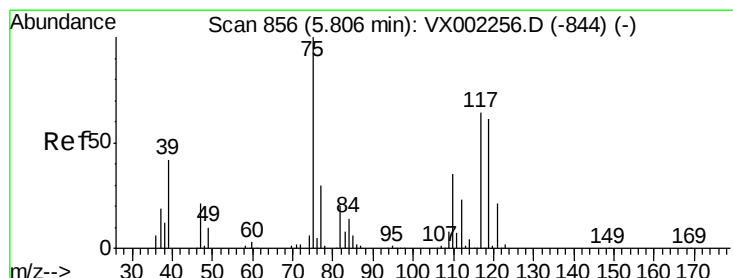
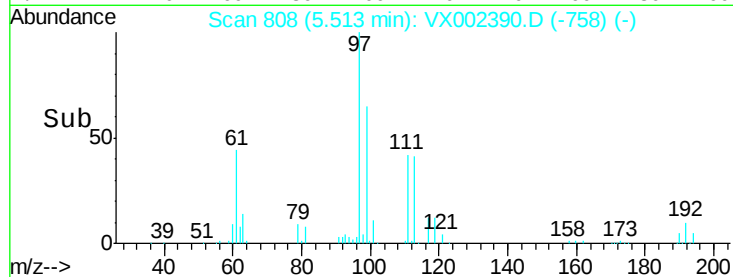
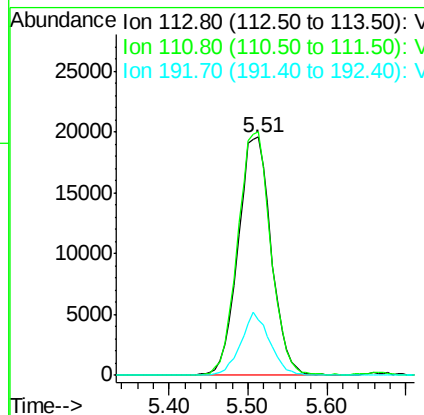
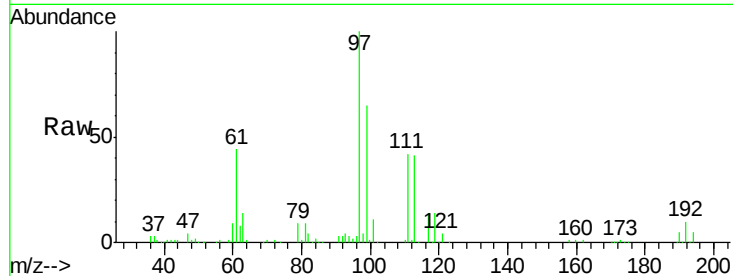
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	113	Resp:	57068
Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.4	122.0
192	23.2	19.1	28.7

Manual Integrations
APPROVED

MMDadoda
6/8/2018 1:20:29 PM



#36

1,1-Dichloropropene

Concen: 42.400 ug/l

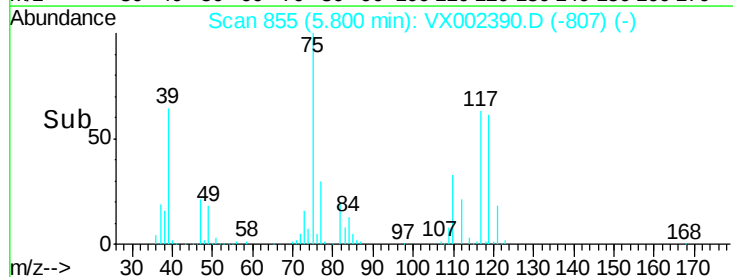
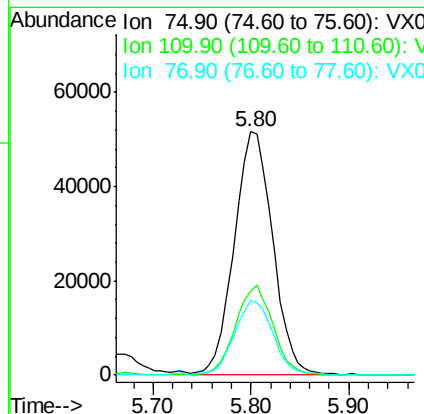
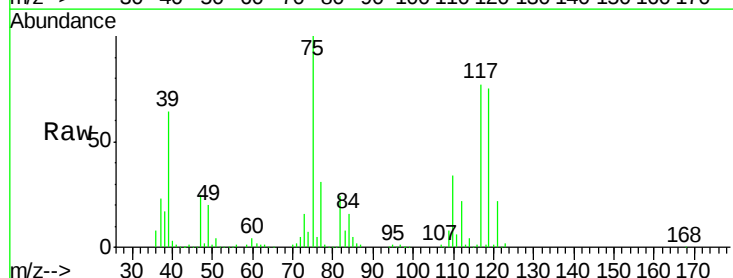
RT: 5.80 min Scan# 855

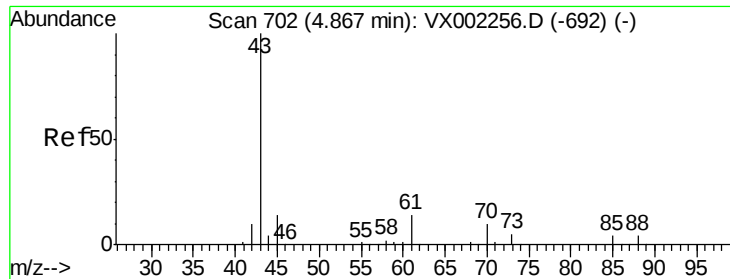
Delta R.T. -0.01 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Tgt Ion:	75	Resp:	140108
Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.1	54.4
77	30.9	24.3	36.5





#37

Ethyl Acetate

Concen: 53.080 ug/l

RT: 4.87 min Scan# 702

Delta R.T. -0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Instrument :

MSVOA_X

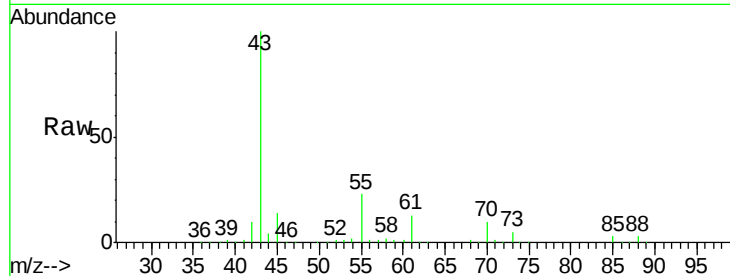
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	210934
Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.4	15.6
70	9.2	7.6	11.4

Manual Integrations
APPROVED

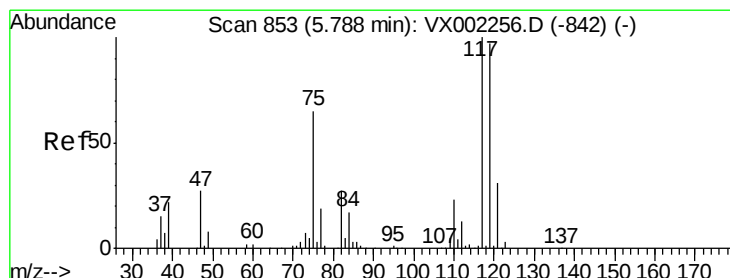
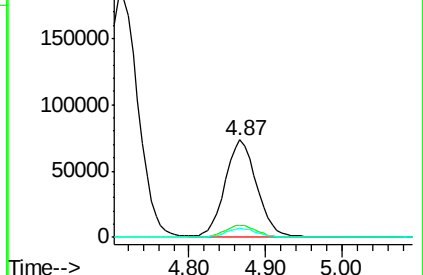
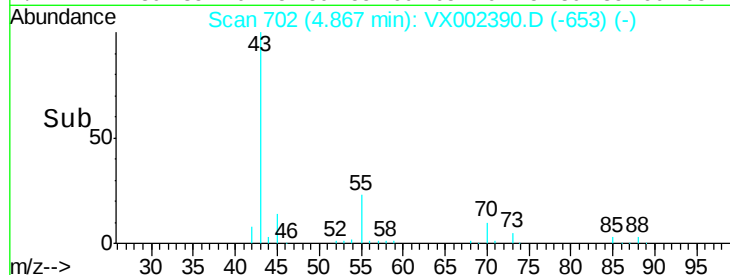
MMDadoda
6/8/2018 1:20:29 PM



Abundance Ion 43.00 (42.70 to 43.70): VX002390.D (-653) (-)

Ion 60.90 (60.60 to 61.60): VX002390.D (-653) (-)

Ion 70.00 (69.70 to 70.70): VX002390.D (-653) (-)



#38

Carbon Tetrachloride

Concen: 42.768 ug/l

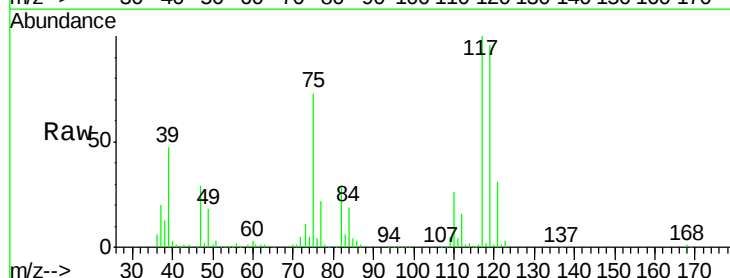
RT: 5.79 min Scan# 853

Delta R.T. -0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

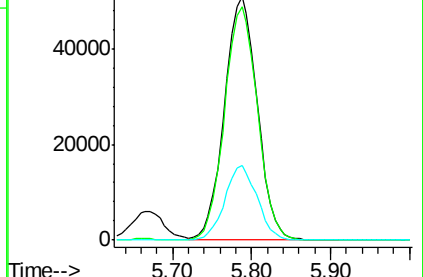
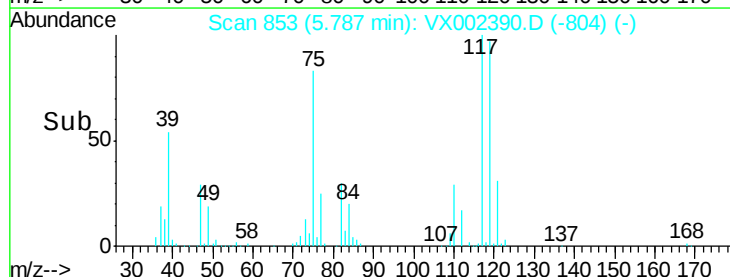
Tgt Ion:	117	Resp:	147844
Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.4	116.0
121	30.9	24.4	36.6

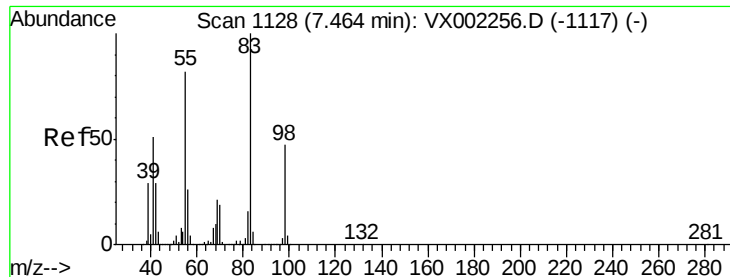


Abundance Ion 116.80 (116.50 to 117.50): VX002390.D (-804) (-)

Ion 118.80 (118.50 to 119.50): VX002390.D (-804) (-)

Ion 120.80 (120.50 to 121.50): VX002390.D (-804) (-)





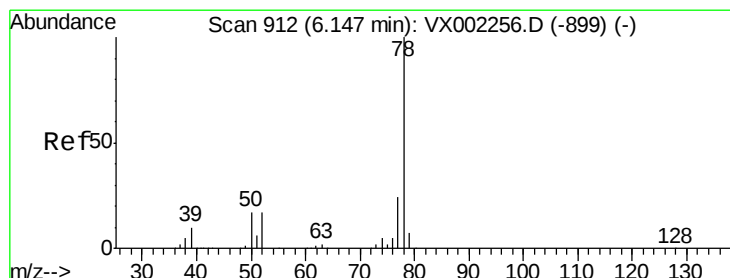
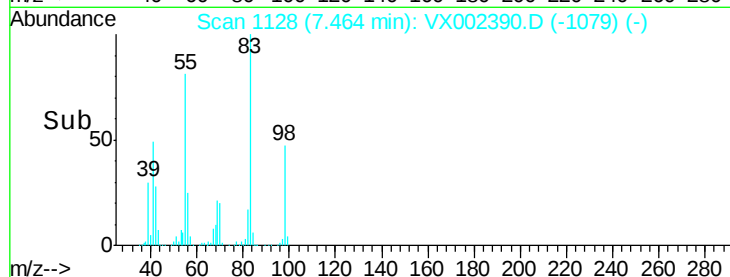
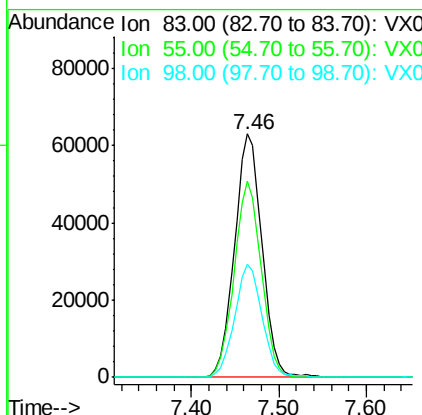
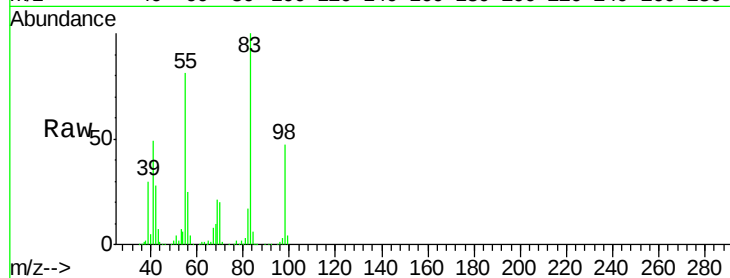
#39
Methylcyclohexane
Concen: 33.814 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	80.8	65.4	98.0
98	46.7	37.4	56.0

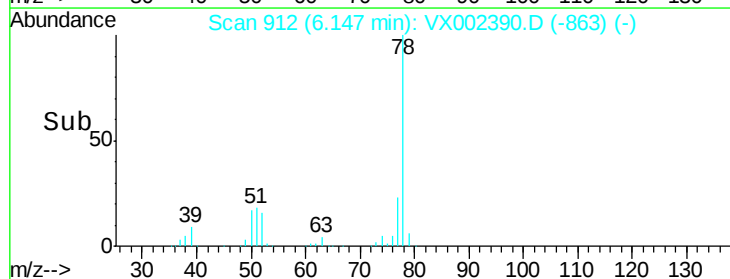
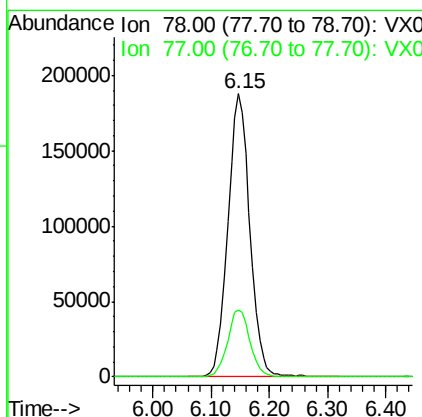
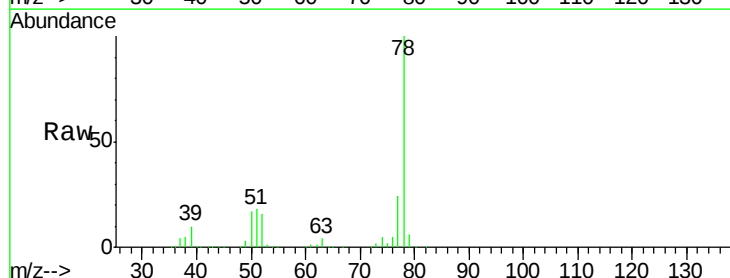
Manual Integrations
APPROVED

MMDadoda
6/8/2018 1:20:29 PM



#40
Benzene
Concen: 48.518 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7





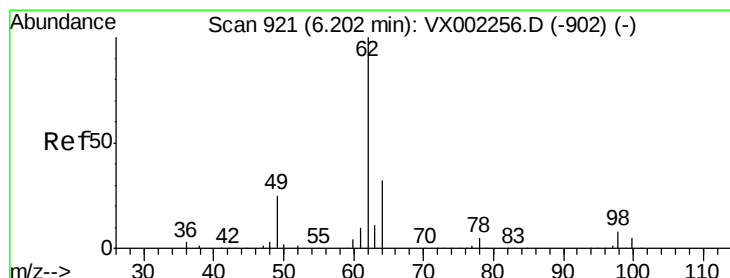
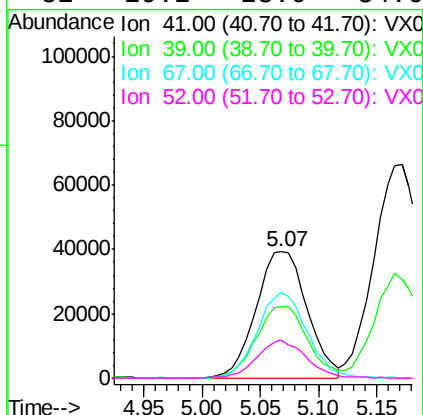
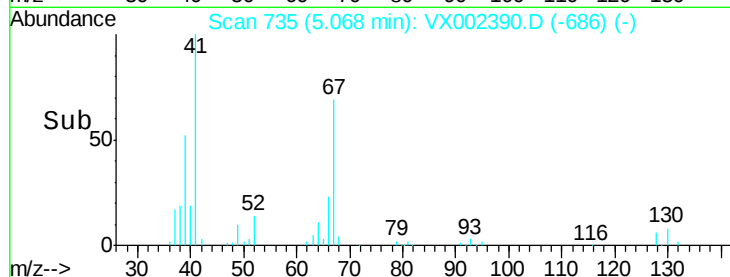
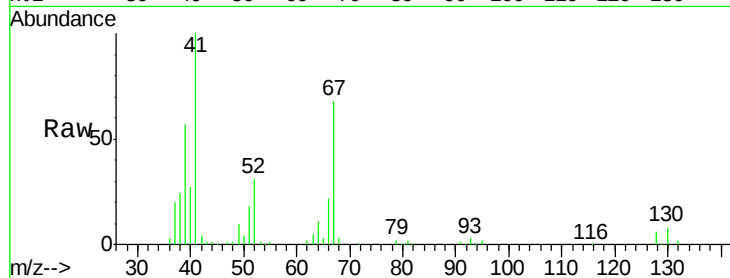
#41
Methacrylonitrile
Concen: 52.315 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.9	45.8	68.6	
67	66.2	51.3	76.9	
52	29.2	23.0	34.6	

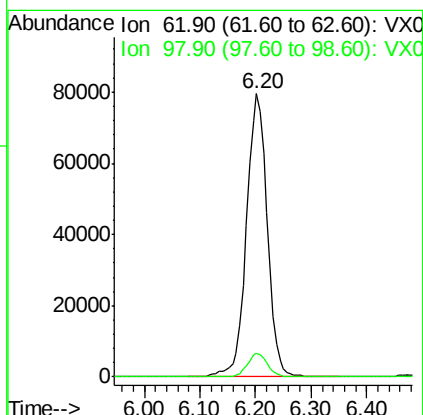
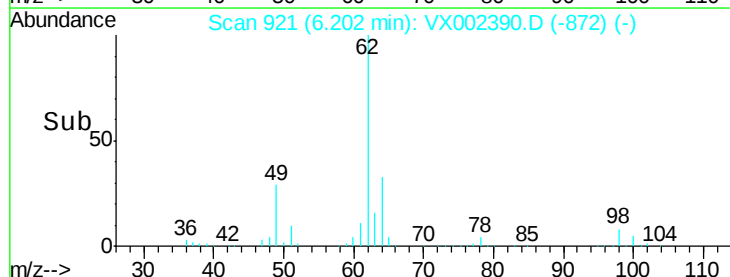
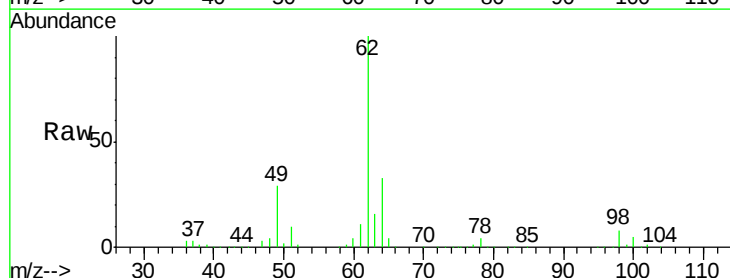
Manual Integrations
APPROVED

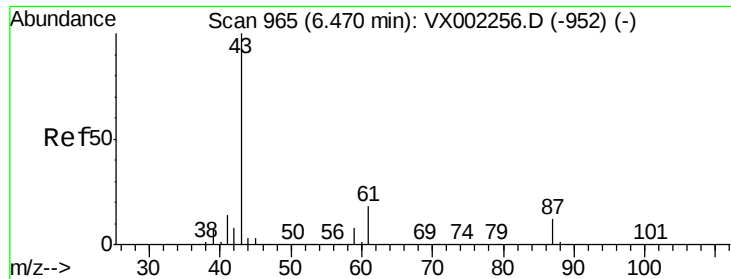
MMDadoda
6/8/2018 1:20:29 PM



#42
1,2-Dichloroethane
Concen: 51.355 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	0.0	16.6	





#43

Isopropyl Acetate

Concen: 51.401 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Instrument :

MSVOA_X

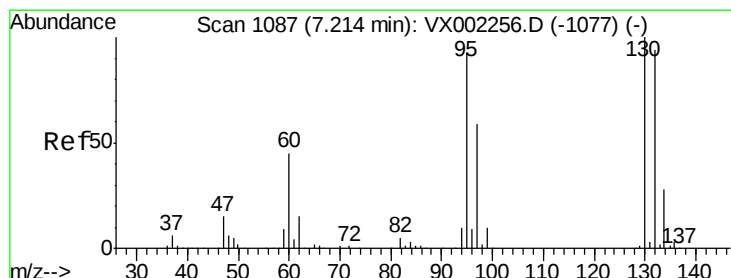
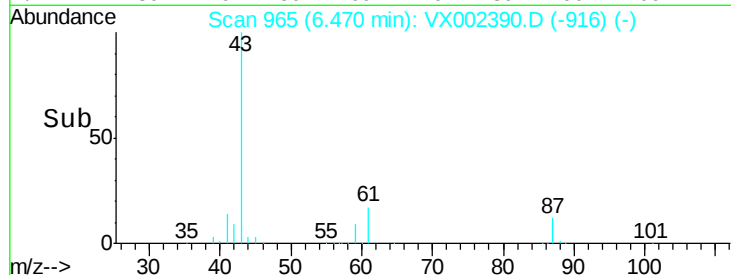
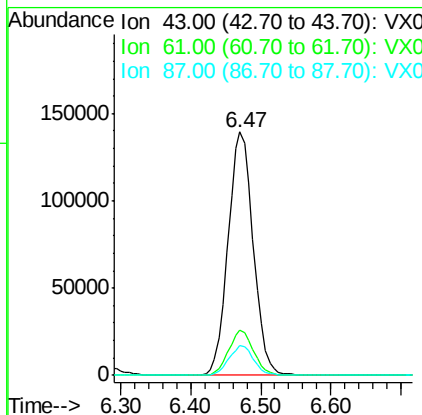
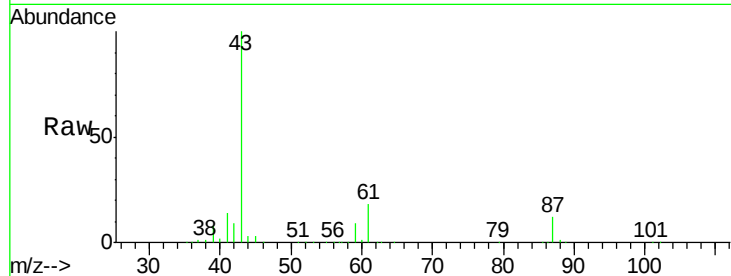
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	346943
Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.4	21.6
87	12.1	9.5	14.3

Manual Integrations
APPROVED

MMDadoda
6/8/2018 1:20:29 PM



#44

Trichloroethene

Concen: 47.268 ug/l

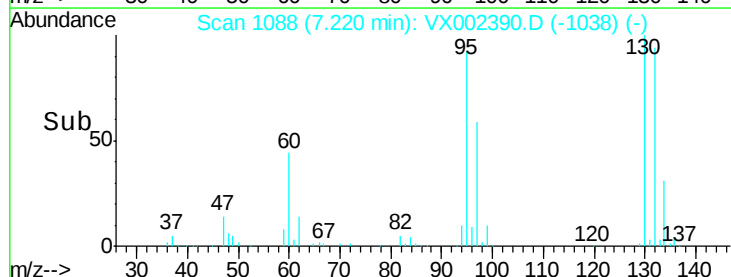
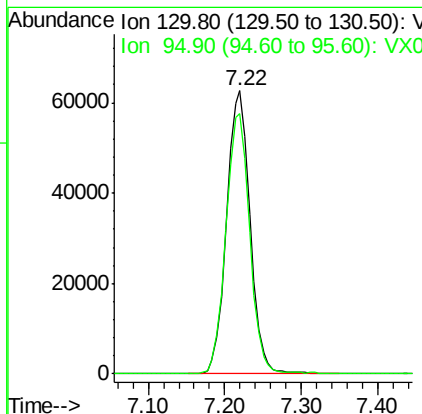
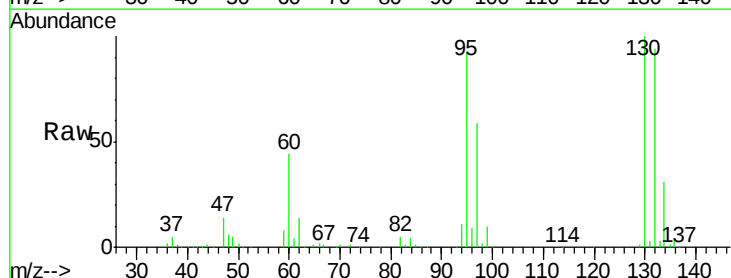
RT: 7.22 min Scan# 1088

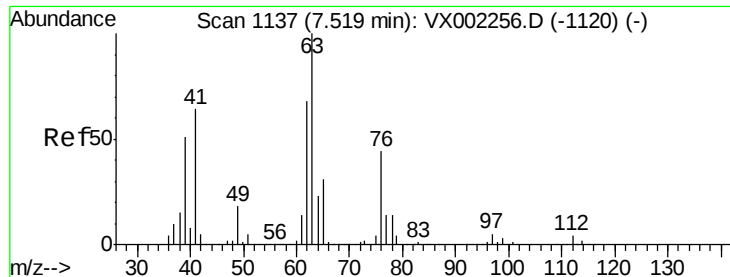
Delta R.T. 0.01 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Tgt Ion:	130	Resp:	132916
Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	185.4





#45

1,2-Dichloropropane

Concen: 49.928 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 63 Resp: 136566

Ion Ratio Lower Upper

63 100

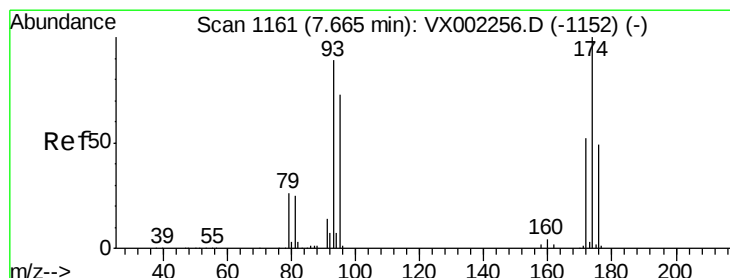
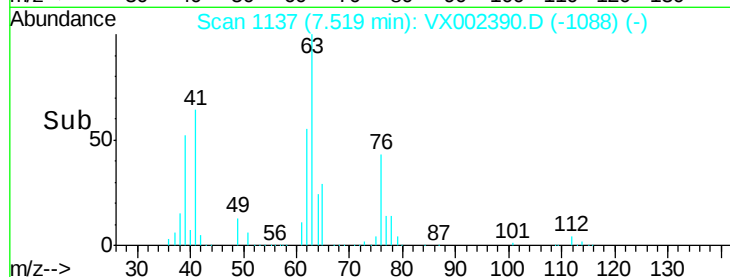
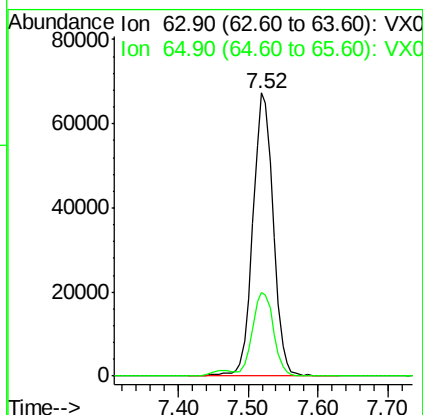
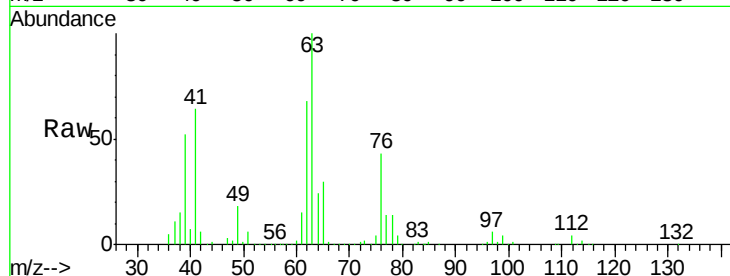
65 29.7 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

6/8/2018 1:20:29 PM



#46

Dibromomethane

Concen: 50.948 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

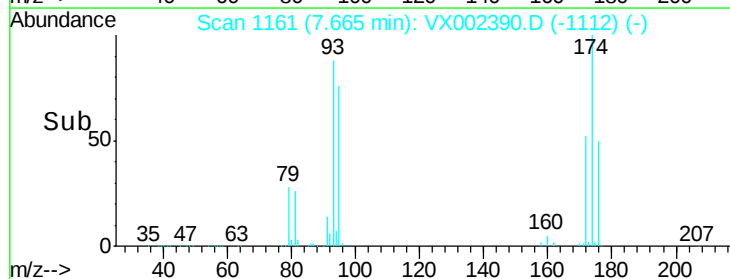
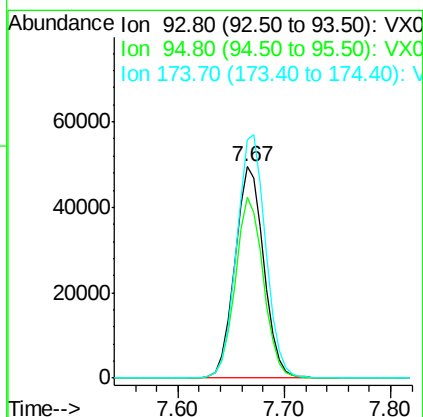
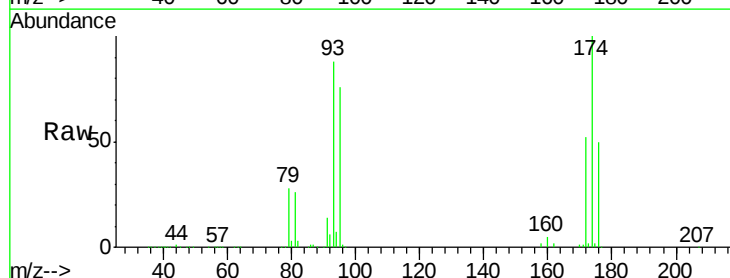
Tgt Ion: 93 Resp: 94470

Ion Ratio Lower Upper

93 100

95 83.6 65.9 98.9

174 116.1 92.4 138.6





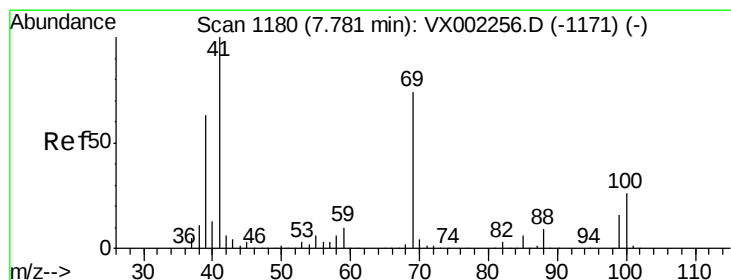
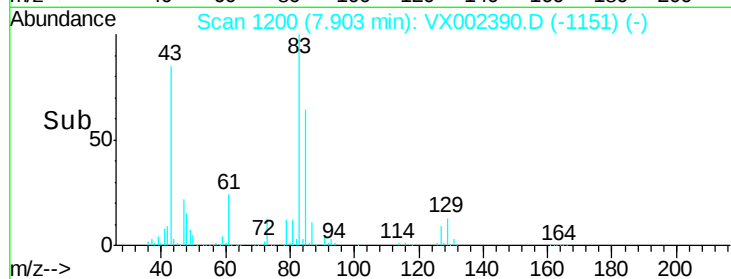
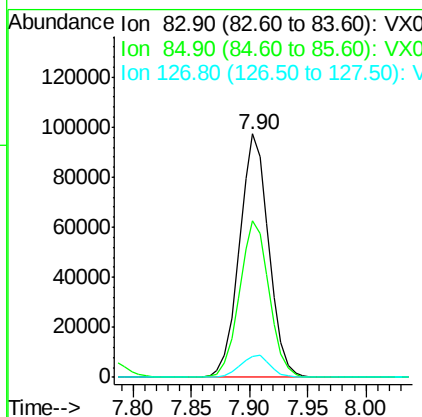
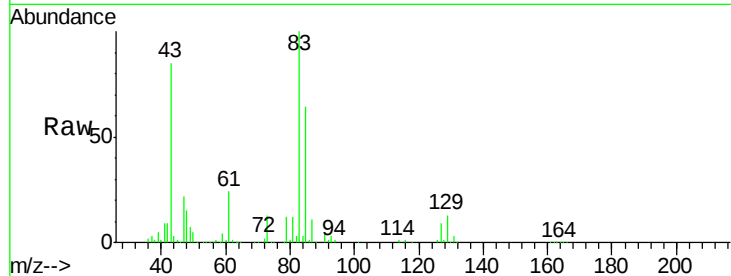
#47
Bromodichloromethane
Concen: 50.772 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.3	75.5
127	8.6	7.0	10.4

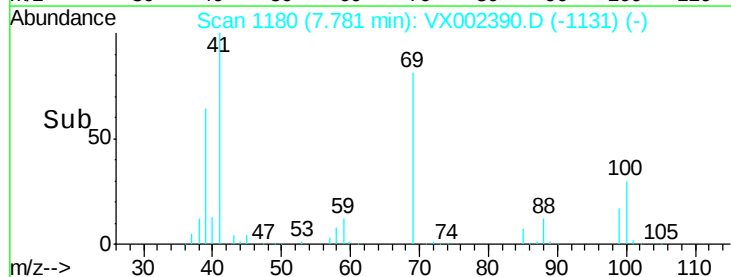
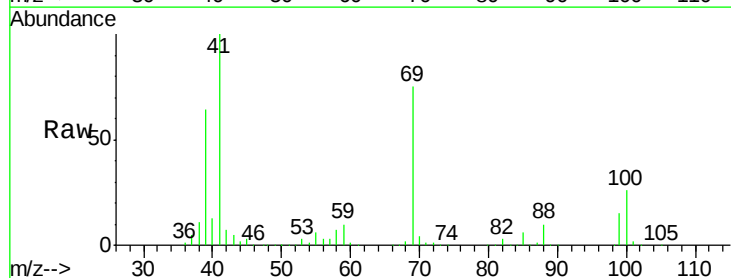
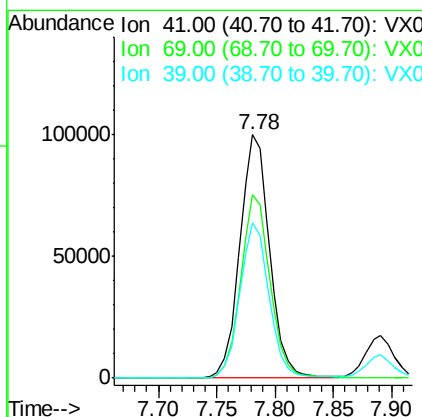
Manual Integrations
APPROVED

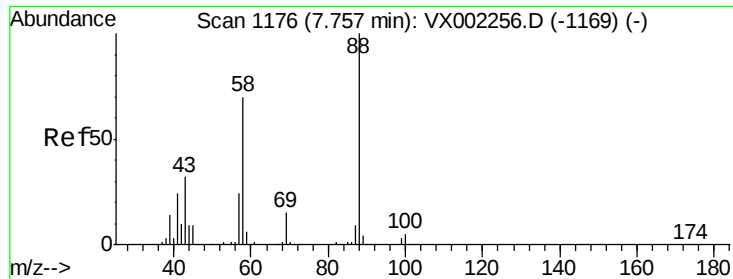
MMDadoda
6/8/2018 1:20:29 PM



#48
Methyl methacrylate
Concen: 52.430 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.0	59.1	88.7
39	62.7	48.9	73.3





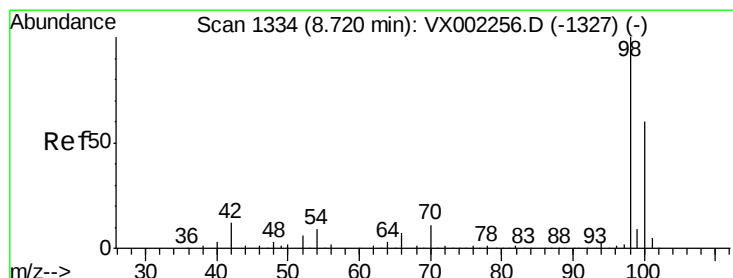
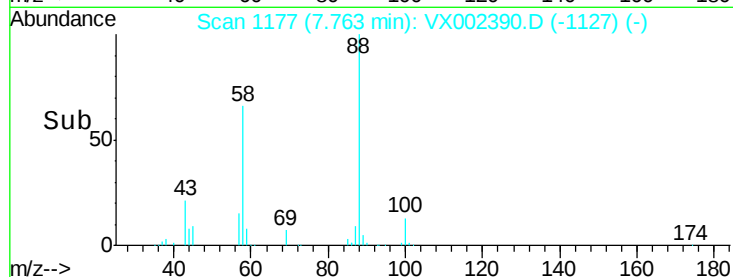
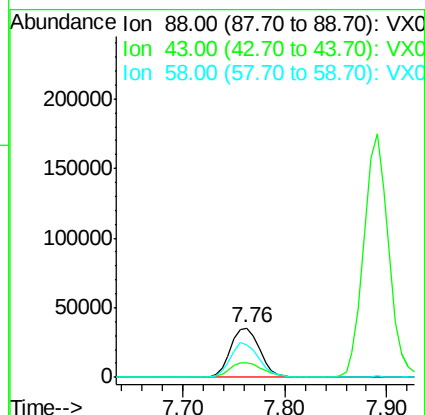
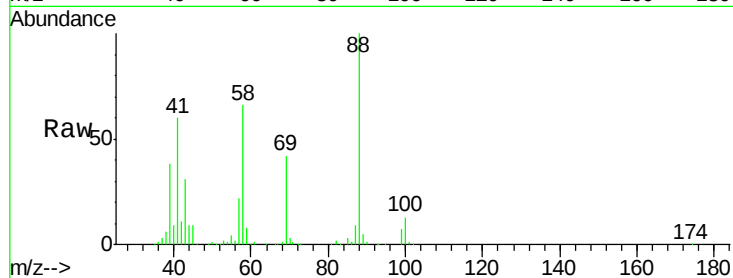
#49
1,4-Dioxane
Concen: 1105.253 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.5	29.8	44.6
58	69.3	57.1	85.7

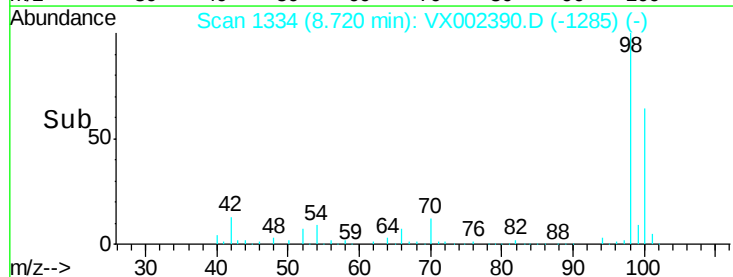
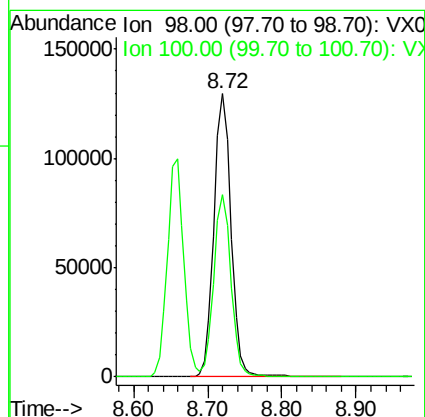
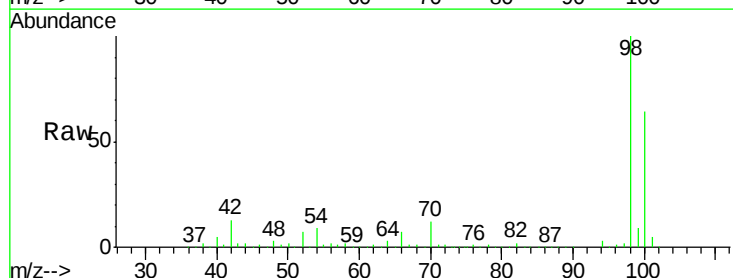
Manual Integrations
APPROVED

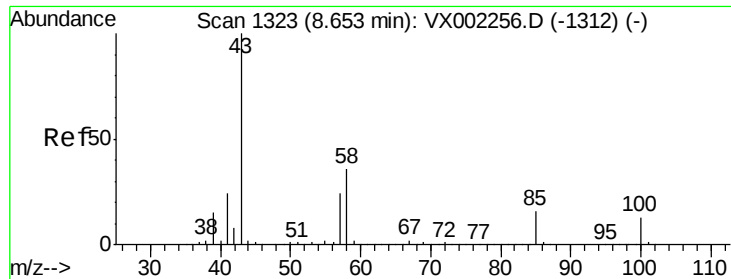
MMDadoda
6/8/2018 1:20:29 PM



#50
Toluene-d8
Concen: 21.639 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.9	76.3





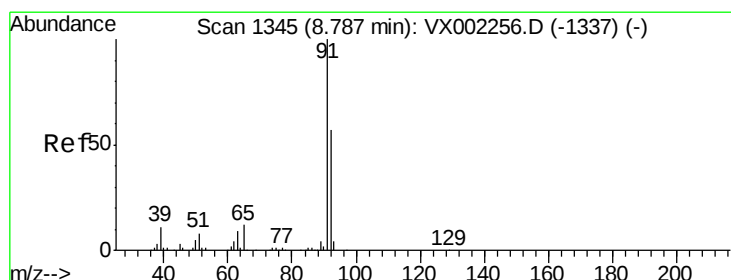
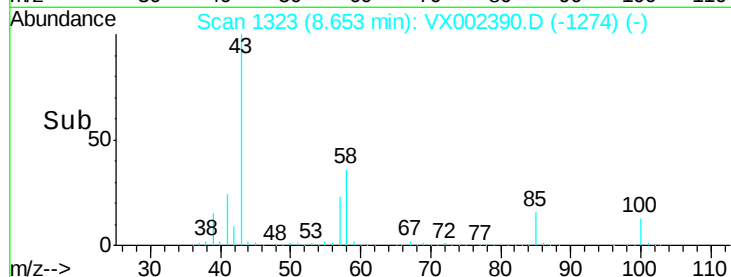
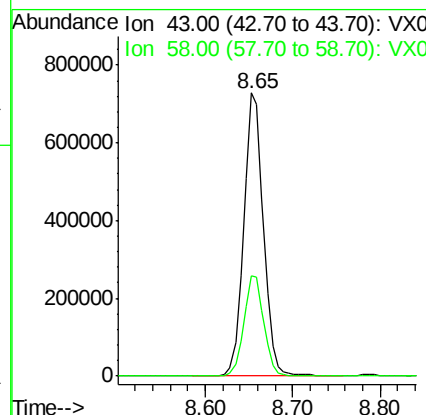
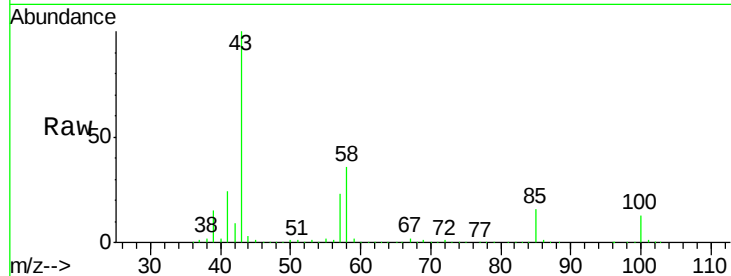
#51
4-Methyl-2-Pentanone
Concen: 271.509 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1141256
Ion Ratio Lower Upper
43 100
58 35.8 28.6 42.8

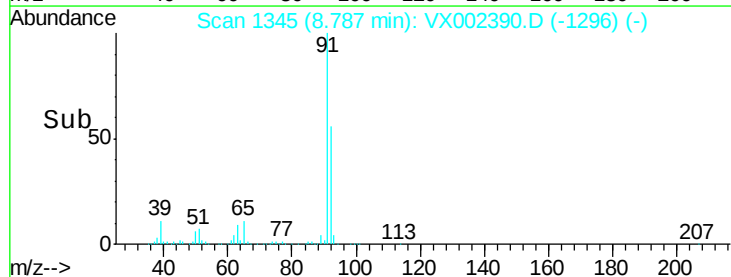
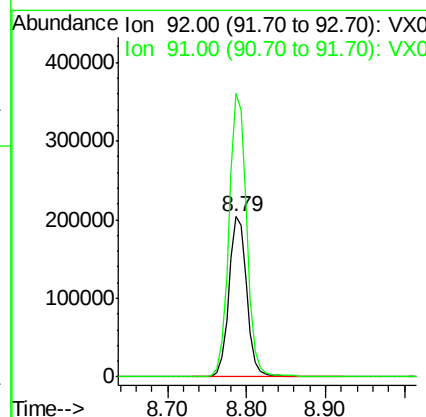
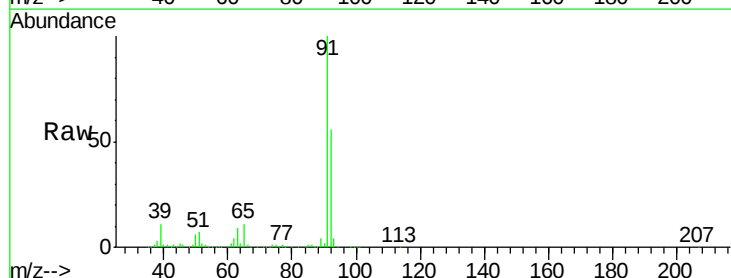
Manual Integrations
APPROVED

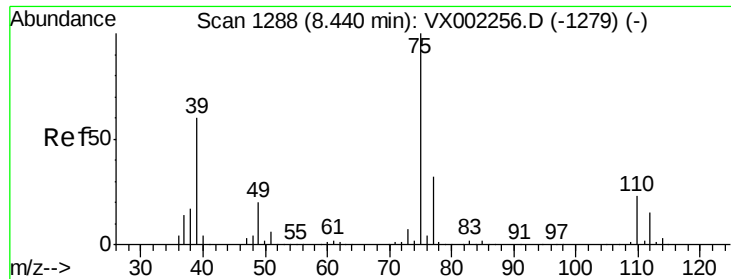
MMDadoda
6/8/2018 1:20:29 PM



#52
Toluene
Concen: 49.316 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Tgt Ion: 92 Resp: 317791
Ion Ratio Lower Upper
92 100
91 175.9 140.4 210.6





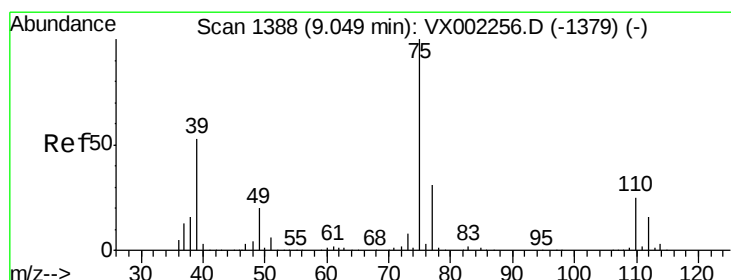
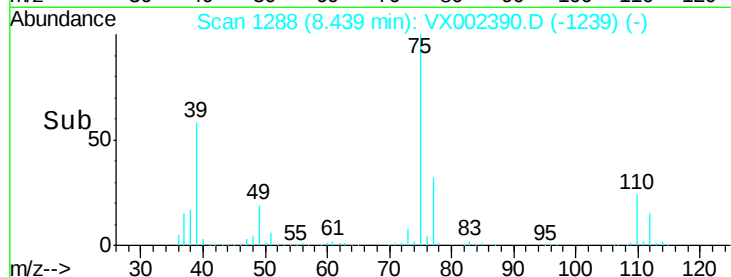
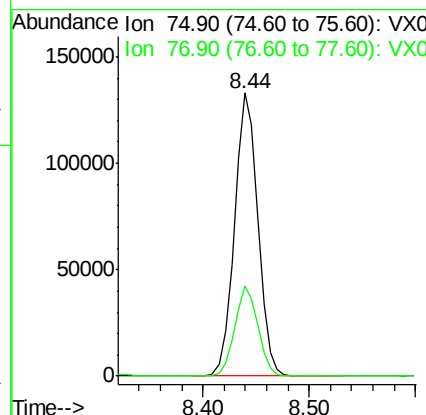
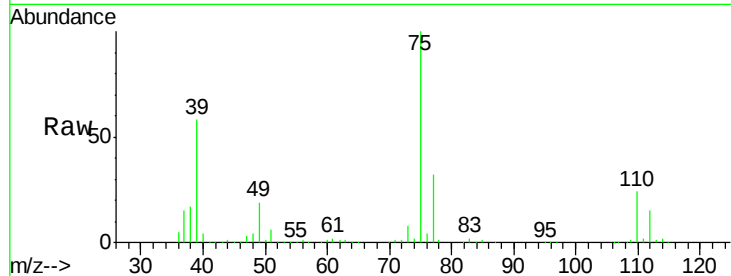
#53
t-1,3-Dichloropropene
Concen: 50.922 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 204791
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.2

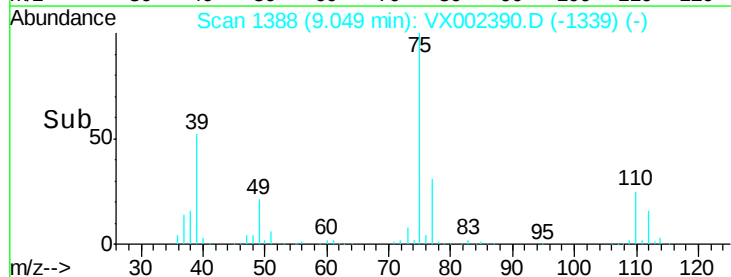
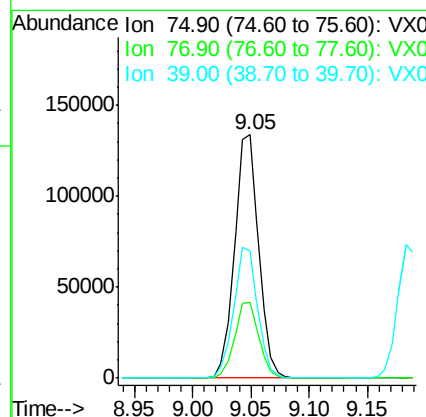
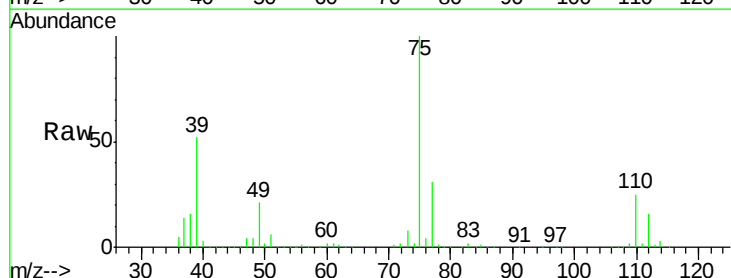
Manual Integrations
APPROVED

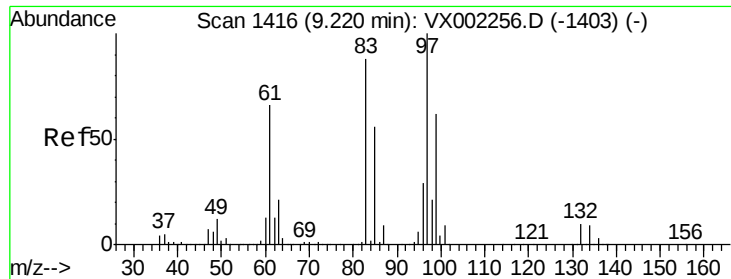
MMDadoda
6/8/2018 1:20:29 PM



#54
cis-1,3-Dichloropropene
Concen: 50.729 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Tgt Ion: 75 Resp: 192478
Ion Ratio Lower Upper
75 100
77 31.1 24.8 37.2
39 52.3 42.4 63.6





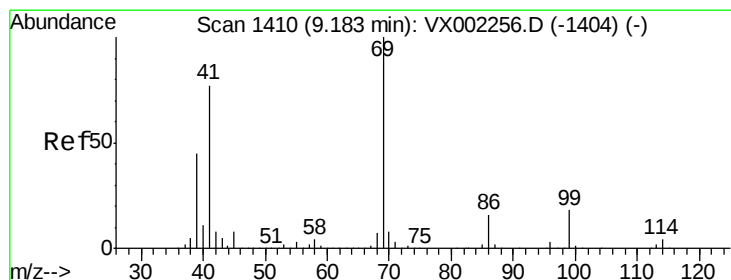
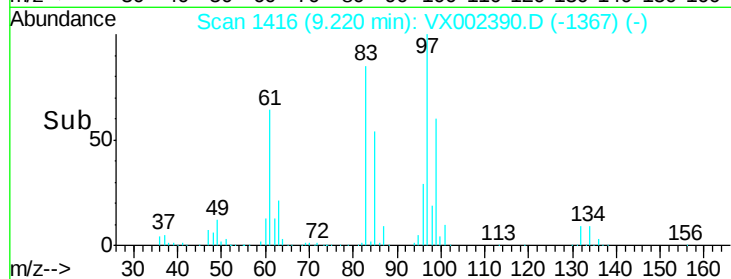
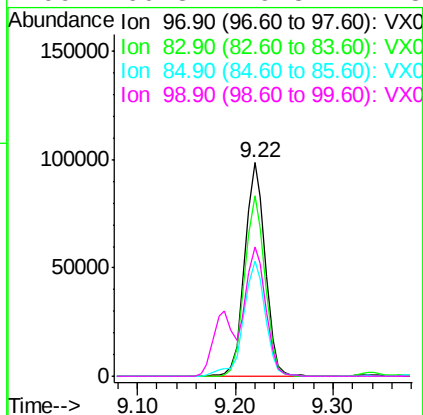
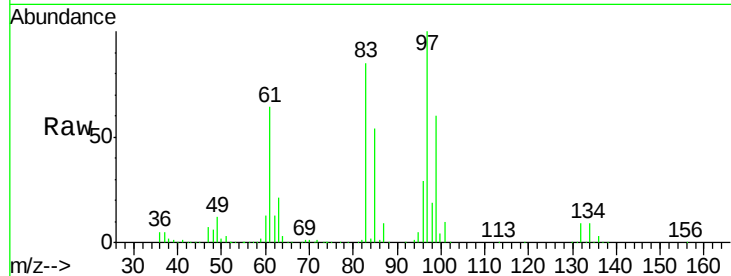
#55
 1,1,2-Trichloroethane
 Concen: 54.152 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002390.D
 Acq: 07 Jun 2018 20:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.7	70.2	105.2
85	53.7	44.9	67.3
99	60.3	49.8	74.8

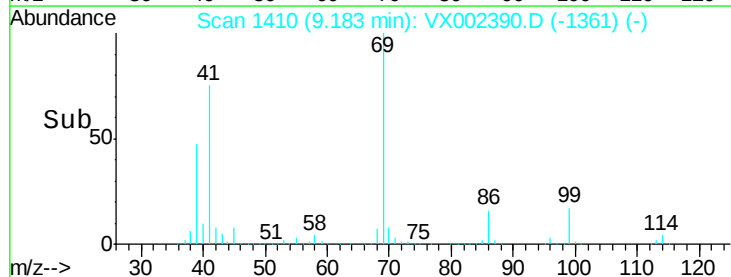
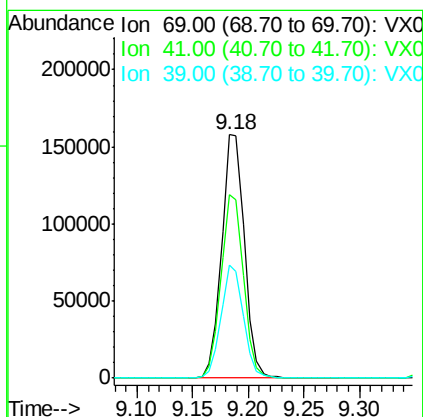
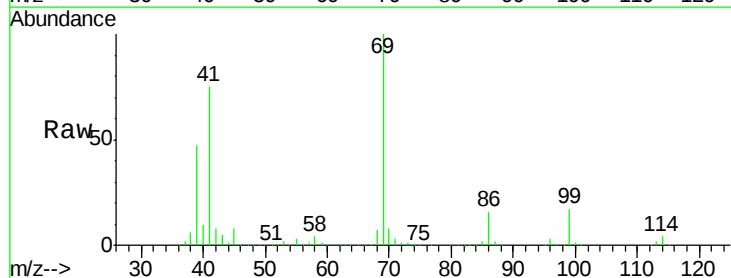
Manual Integrations
 APPROVED

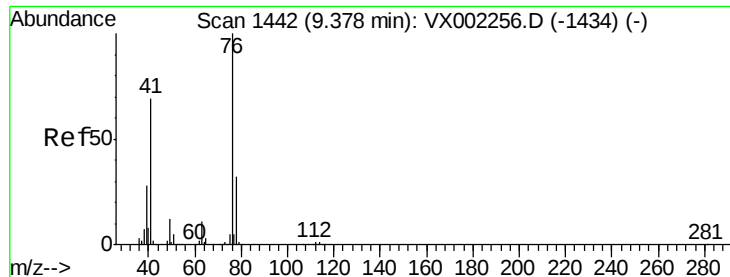
MMDadoda
 6/8/2018 1:20:29 PM



#56
 Ethyl methacrylate
 Concen: 53.021 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002390.D
 Acq: 07 Jun 2018 20:47

Tgt Ion	Ratio	Lower	Upper
69	100		
41	74.0	60.3	90.5
39	45.6	35.8	53.8





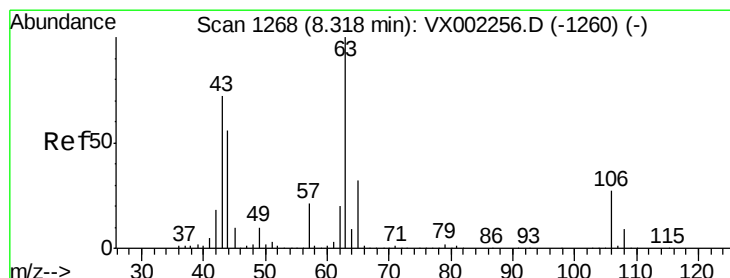
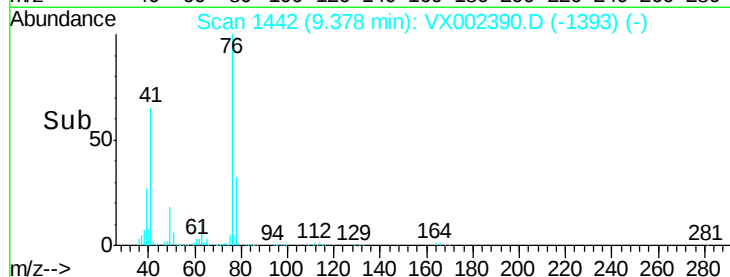
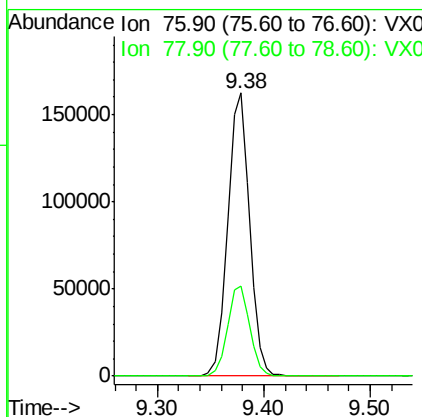
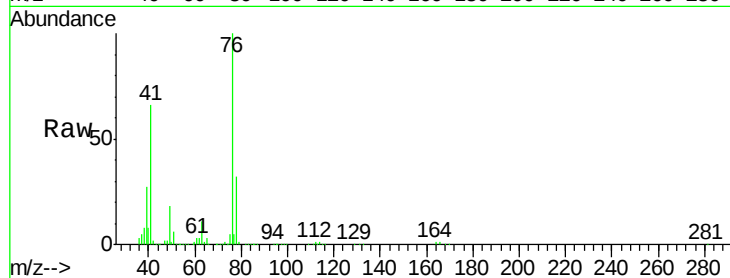
#57
 1,3-Dichloropropane
 Concen: 52.396 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX002390.D
 Acq: 07 Jun 2018 20:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 232970
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6

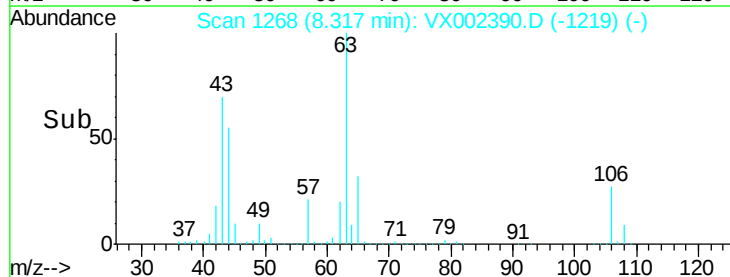
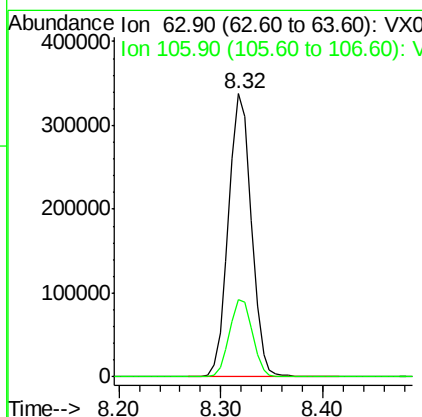
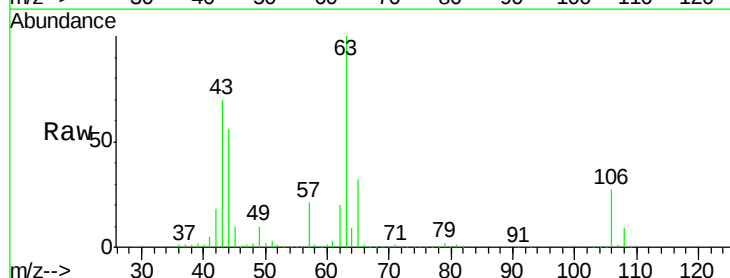
Manual Integrations
 APPROVED

MMDadoda
 6/8/2018 1:20:29 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 267.390 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX002390.D
 Acq: 07 Jun 2018 20:47

Tgt Ion: 63 Resp: 523671
 Ion Ratio Lower Upper
 63 100
 106 27.7 21.8 32.8





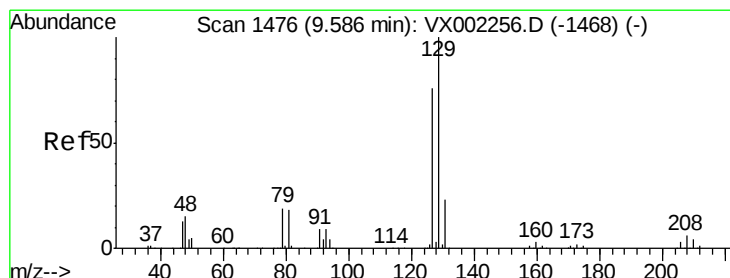
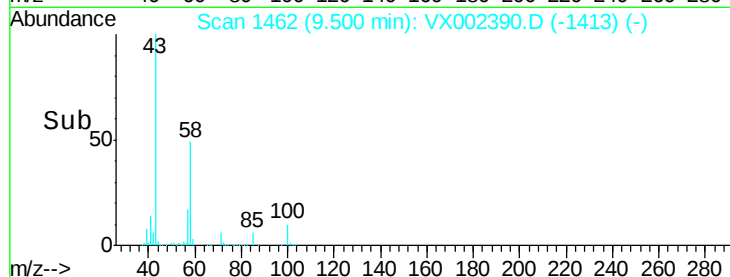
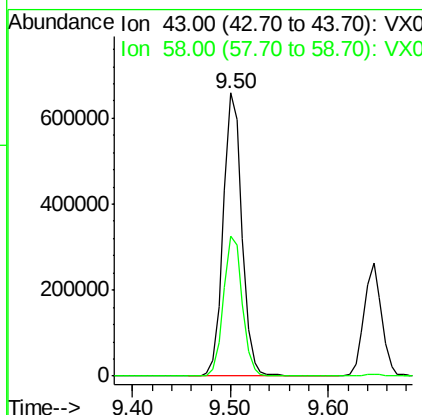
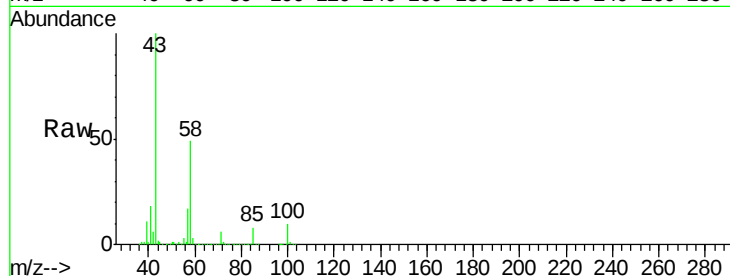
#59
2-Hexanone
Concen: 268.817 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 872770
Ion Ratio Lower Upper
43 100
58 49.9 24.6 73.6

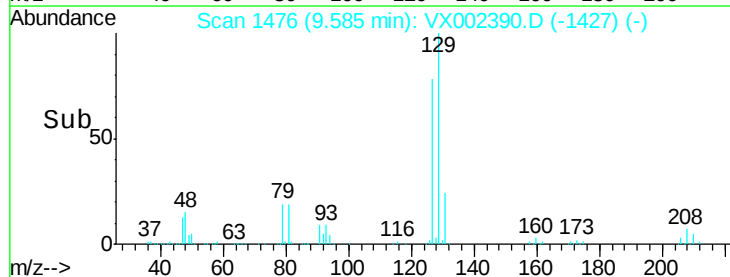
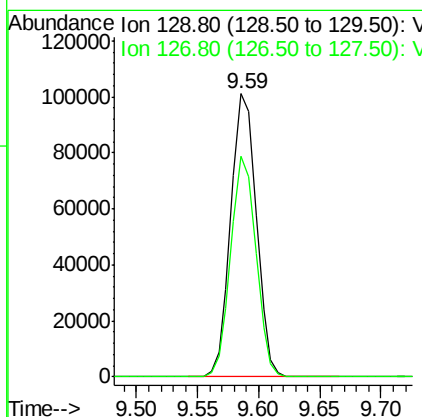
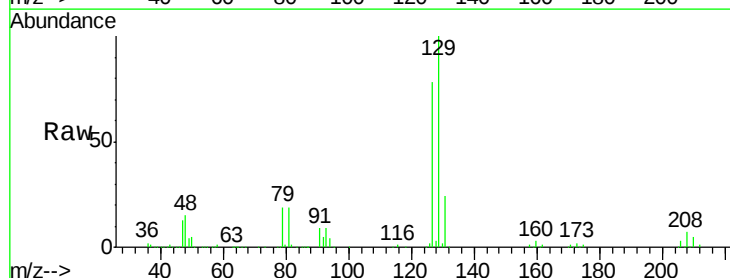
Manual Integrations
APPROVED

MMDadoda
6/8/2018 1:20:29 PM



#60
Dibromochloromethane
Concen: 54.937 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Tgt Ion: 129 Resp: 146455
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.3





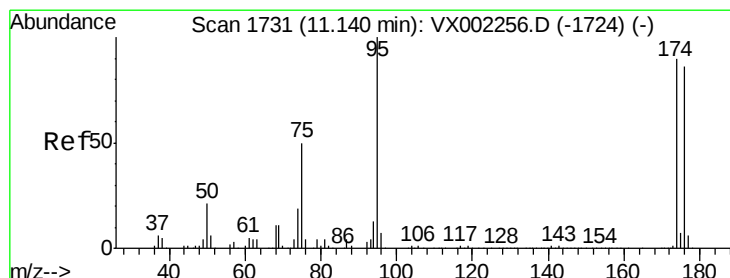
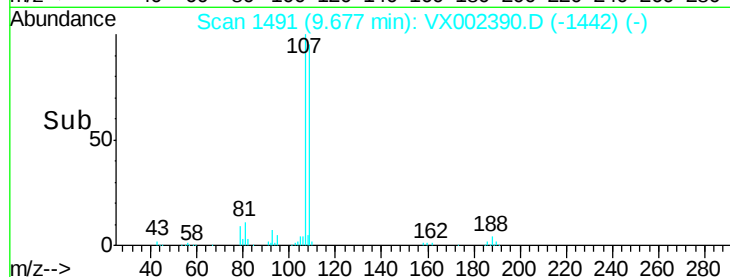
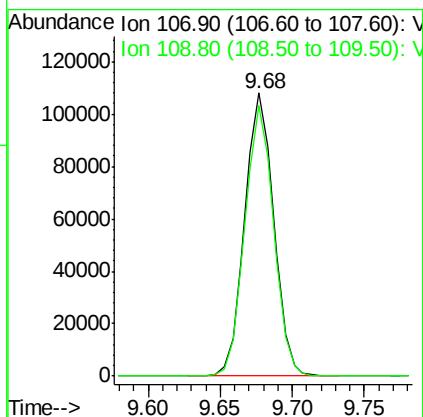
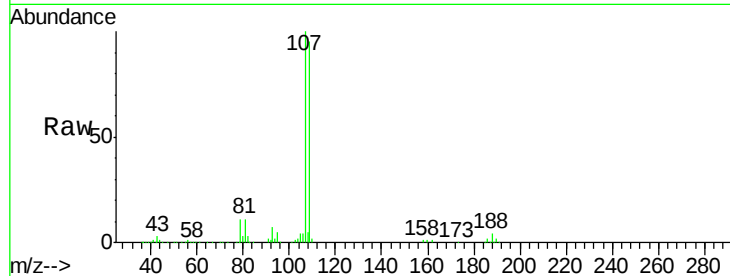
#61
 1,2-Dibromoethane
 Concen: 54.187 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VX002390.D
 Acq: 07 Jun 2018 20:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 107 Resp: 149744
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.3 112.9

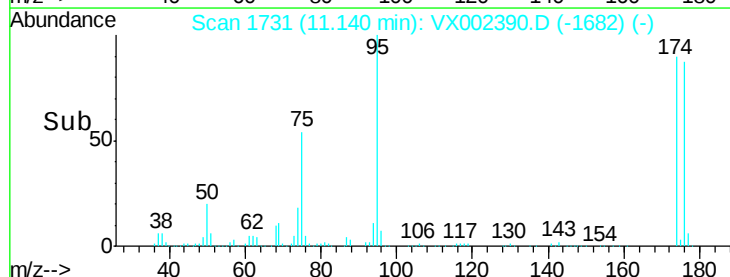
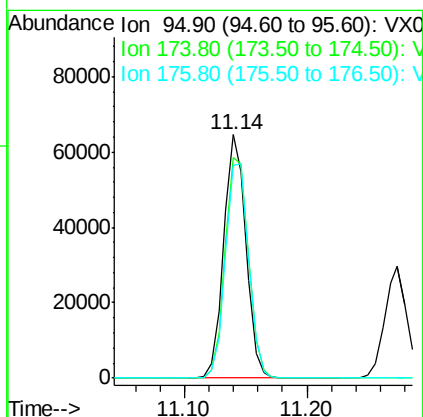
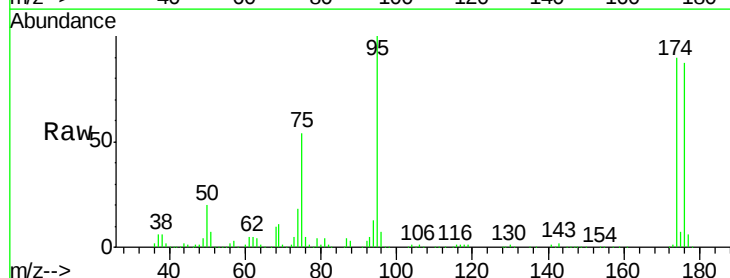
Manual Integrations
 APPROVED

MMDadoda
 6/8/2018 1:20:29 PM



#62
 4-Bromofluorobenzene
 Concen: 22.184 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX002390.D
 Acq: 07 Jun 2018 20:47

Tgt Ion: 95 Resp: 81049
 Ion Ratio Lower Upper
 95 100
 174 95.3 0.0 187.4
 176 92.4 0.0 181.0





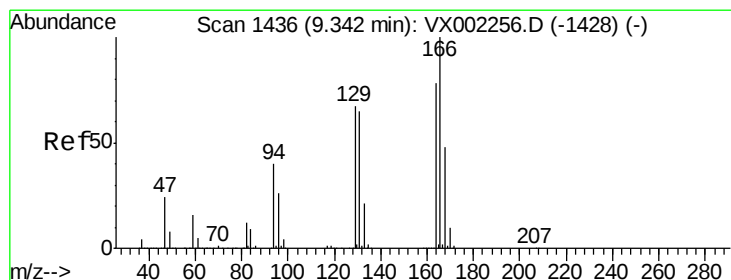
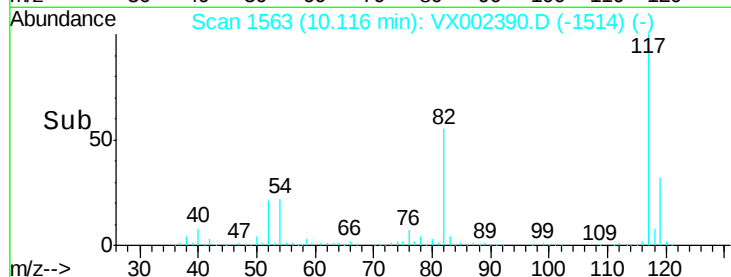
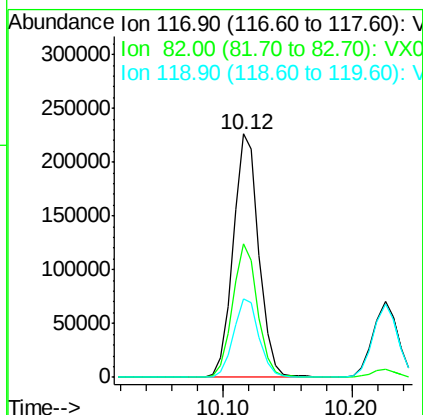
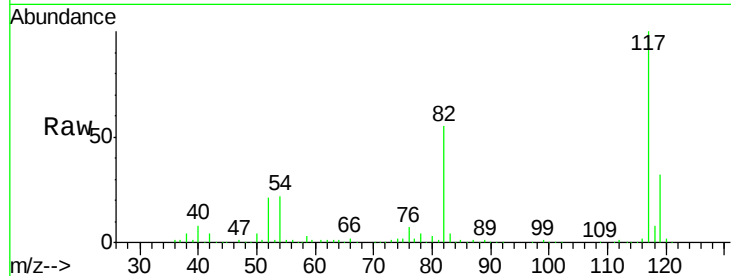
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.0	45.0	67.4
119	32.3	25.8	38.6

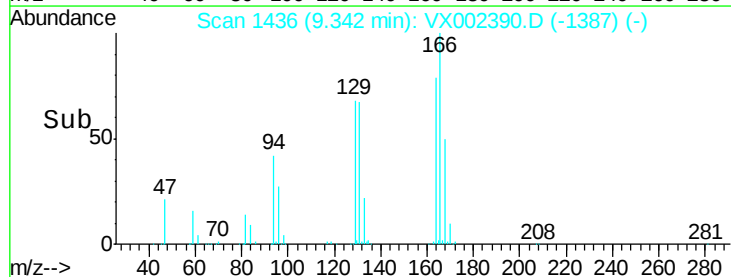
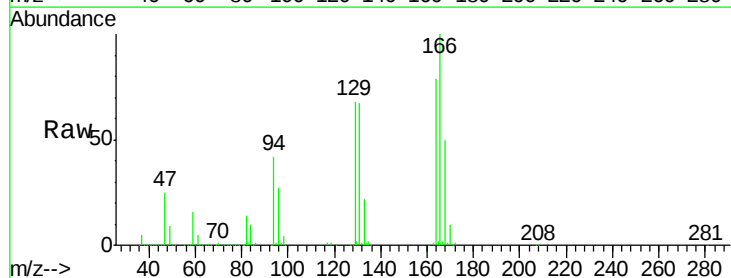
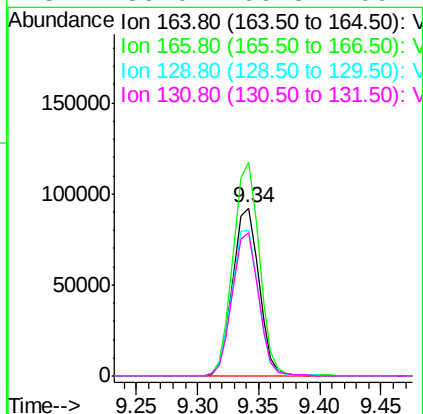
Manual Integrations
APPROVED

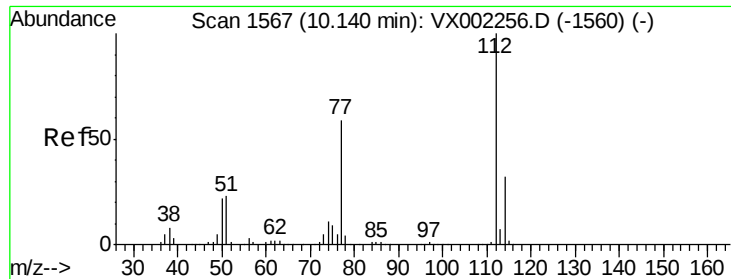
MMDadoda
6/8/2018 1:20:29 PM



#64
Tetrachloroethene
Concen: 42.841 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	102.9	154.3
129	86.7	68.6	102.8
131	85.0	66.8	100.2





#65

Chlorobenzene

Concen: 48.576 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:112 Resp: 377639

Ion Ratio Lower Upper

112 100

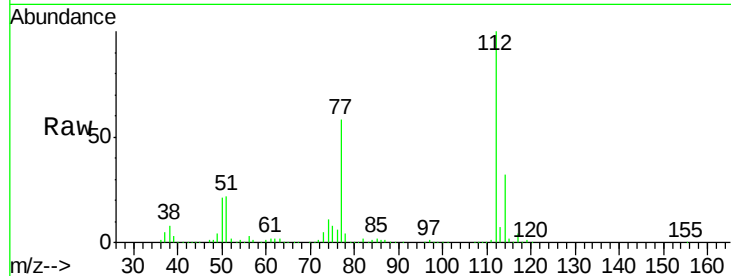
114 31.9 25.3 37.9

Manual Integrations

APPROVED

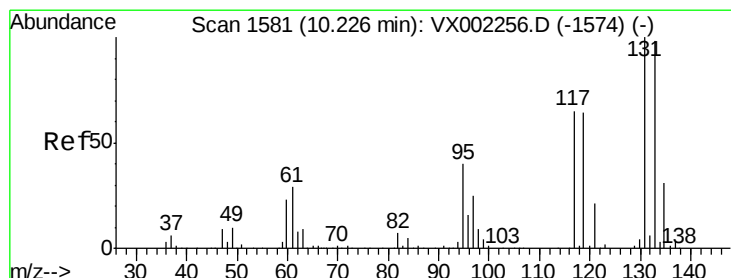
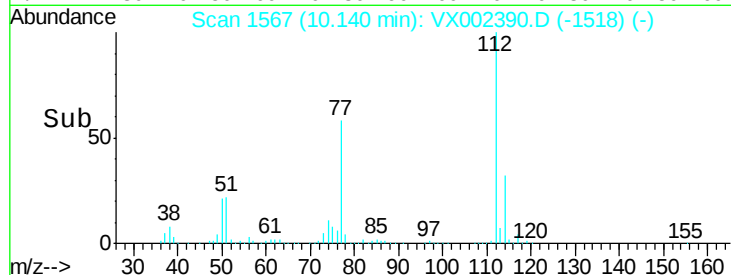
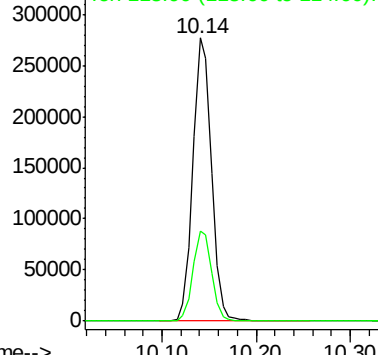
MMDadoda

6/8/2018 1:20:29 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.604 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

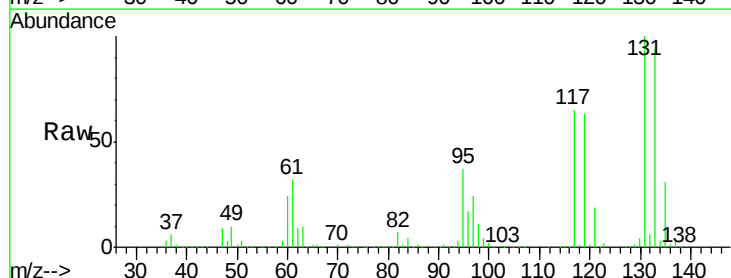
Tgt Ion:131 Resp: 142447

Ion Ratio Lower Upper

131 100

133 95.3 47.9 143.6

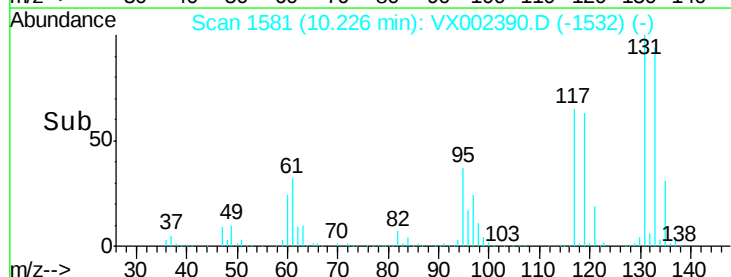
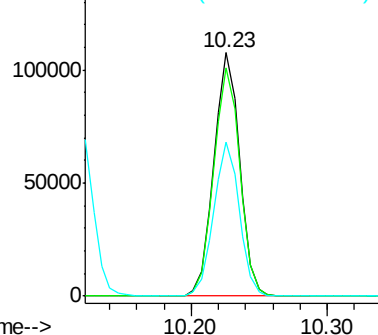
119 63.1 31.8 95.3

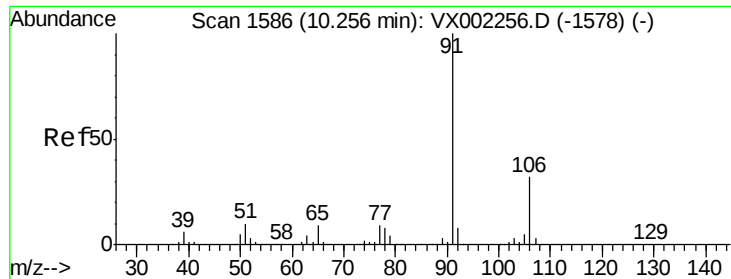


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





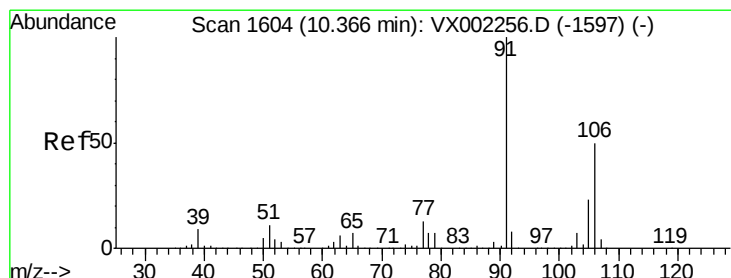
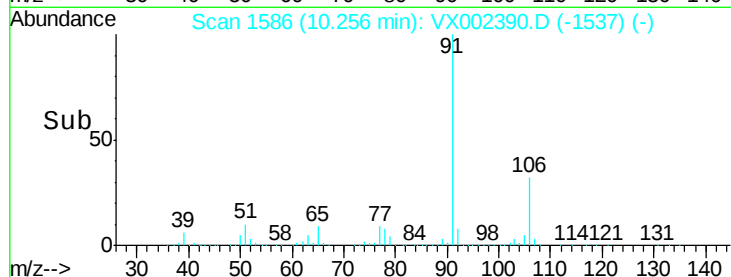
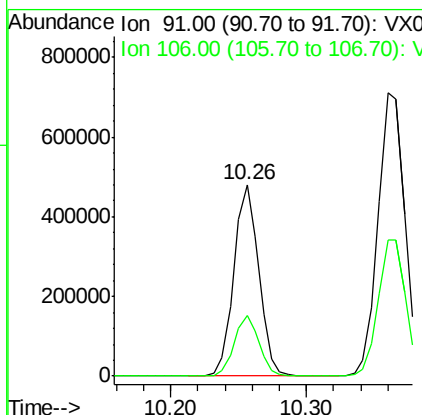
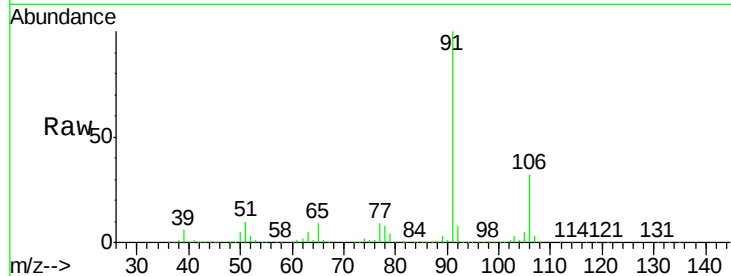
#67
Ethyl Benzene
Concen: 47.122 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 613073
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3

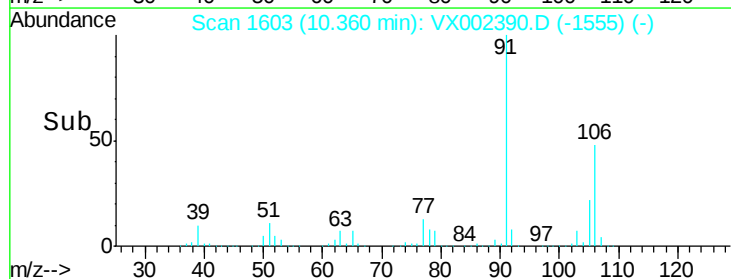
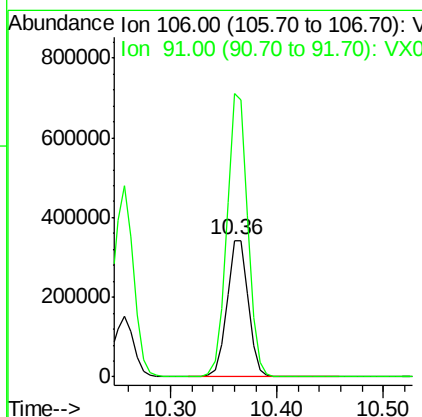
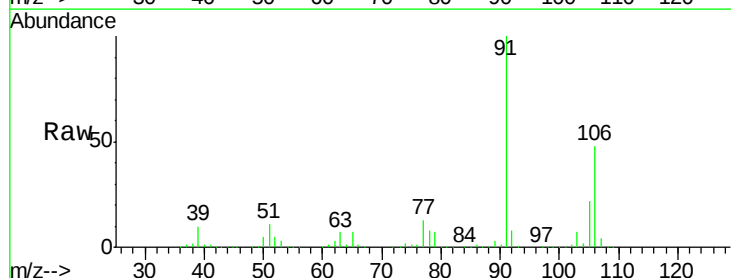
Manual Integrations
APPROVED

MMDadoda
6/8/2018 1:20:29 PM



#68
m/p-Xylenes
Concen: 94.434 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Tgt Ion: 106 Resp: 477590
Ion Ratio Lower Upper
106 100
91 204.4 163.4 245.2





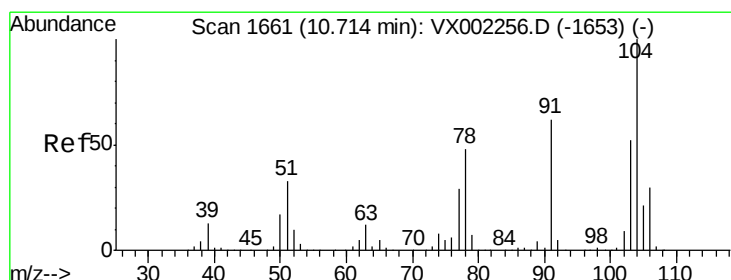
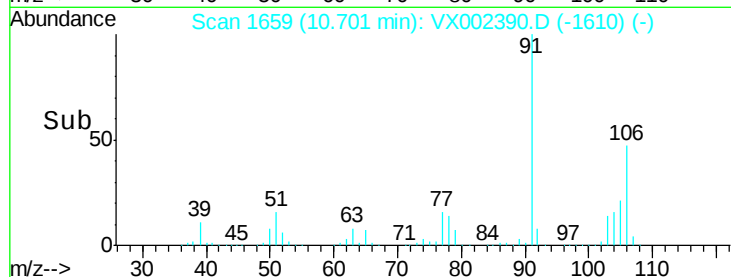
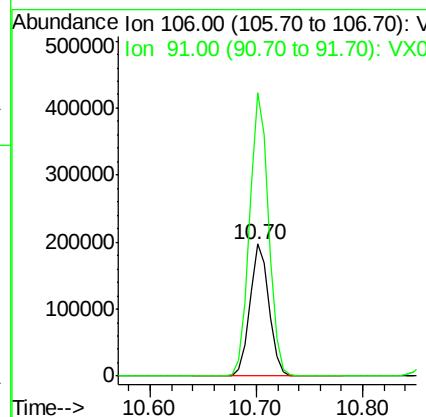
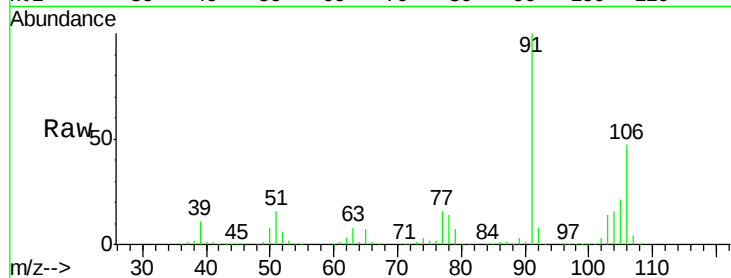
#69
o-Xylene
Concen: 49.073 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 246981
Ion Ratio Lower Upper
106 100
91 214.8 108.2 324.6

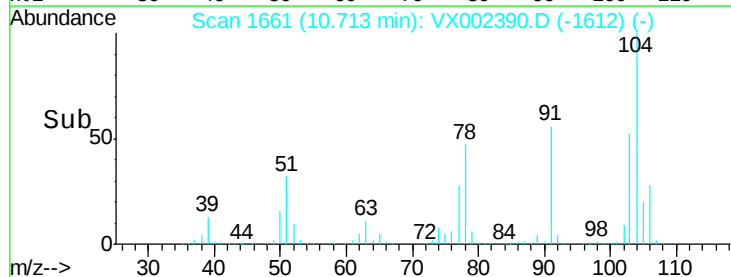
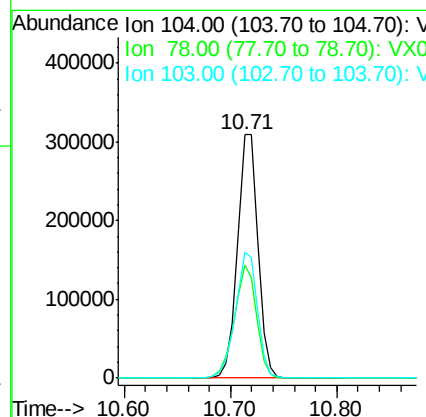
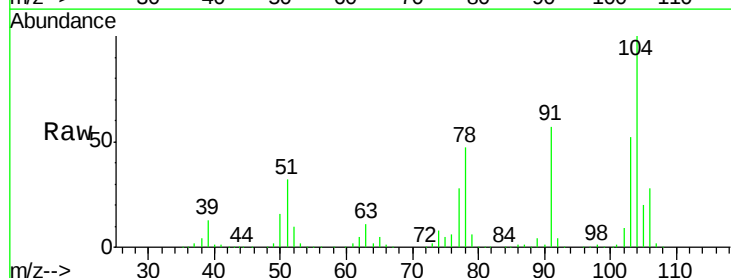
Manual Integrations
APPROVED

MMDadoda
6/8/2018 1:20:29 PM



#70
Styrene
Concen: 51.058 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Tgt Ion:104 Resp: 420089
Ion Ratio Lower Upper
104 100
78 49.9 41.0 61.6
103 55.4 44.2 66.4





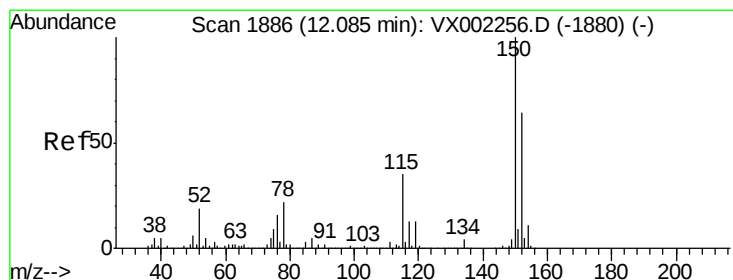
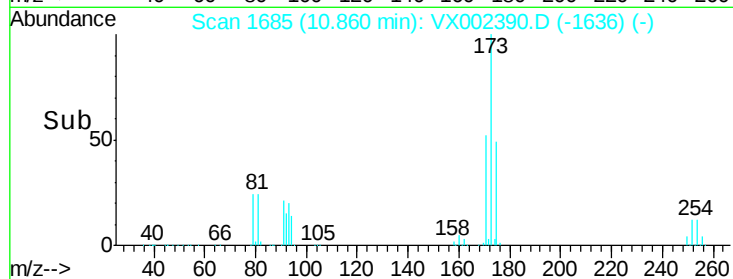
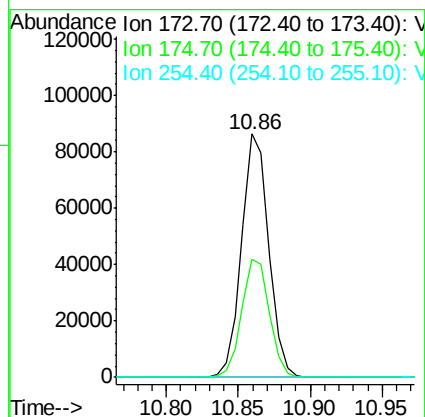
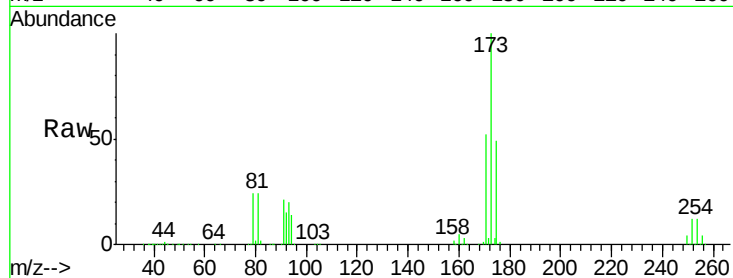
#71
Bromoform
Concen: 45.022 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.7	74.1
254	0.2	0.2	0.2

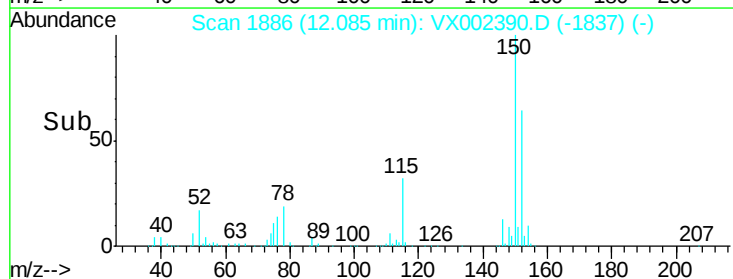
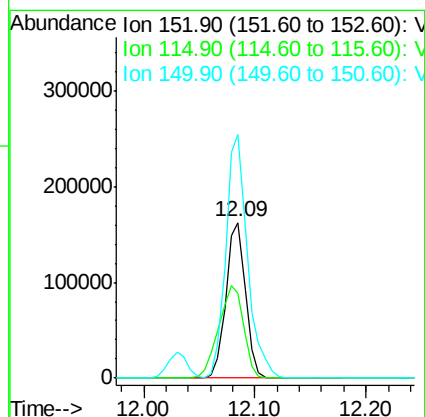
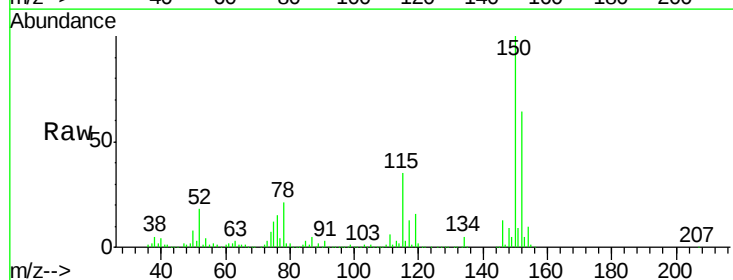
Manual Integrations
APPROVED

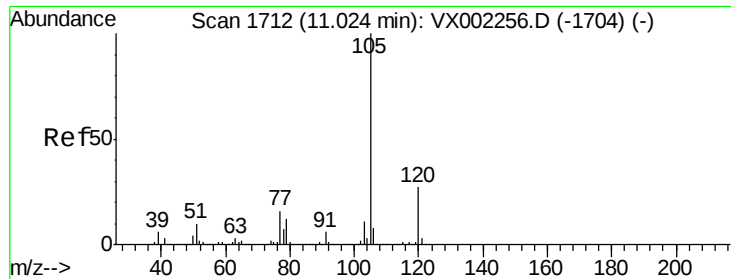
MMDadoda
6/8/2018 1:20:29 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	76.1	40.1	120.2
150	173.7	0.0	347.2





#73

Isopropylbenzene

Concen: 45.103 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 616187

Ion Ratio Lower Upper

105 100

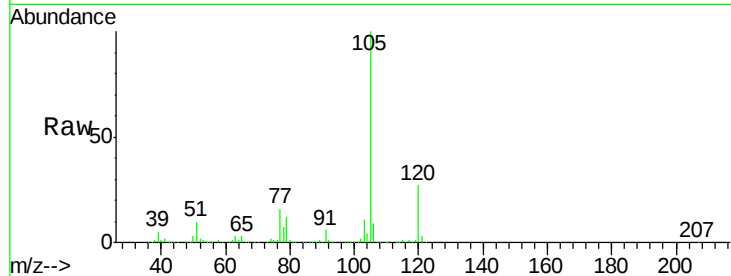
120 26.9 13.5 40.4

Manual Integrations

APPROVED

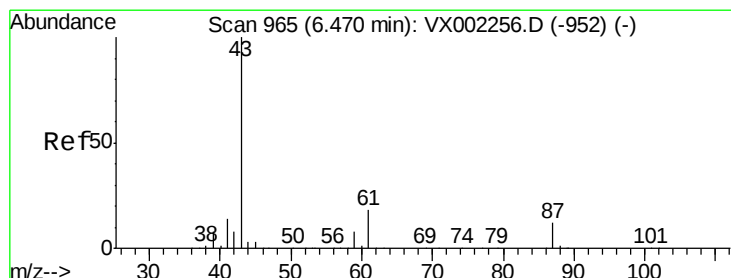
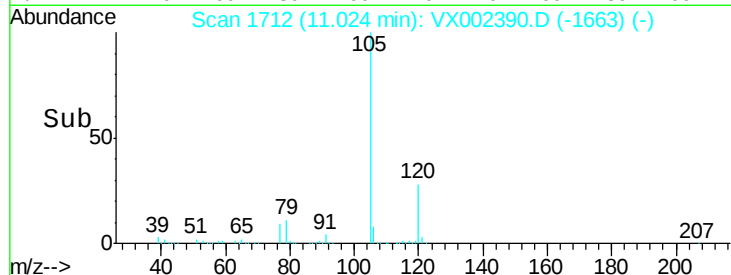
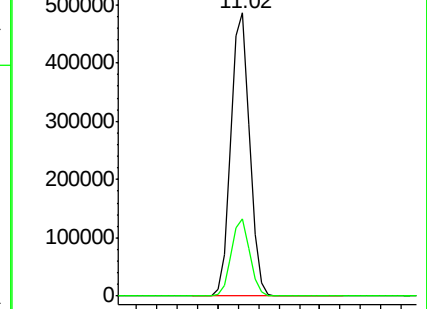
MMDadoda

6/8/2018 1:20:29 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.130 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Tgt Ion: 43 Resp: 346943

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

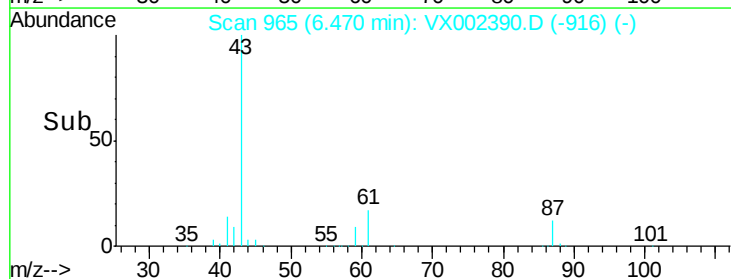
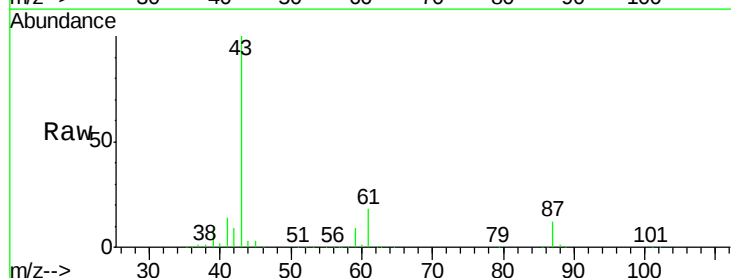
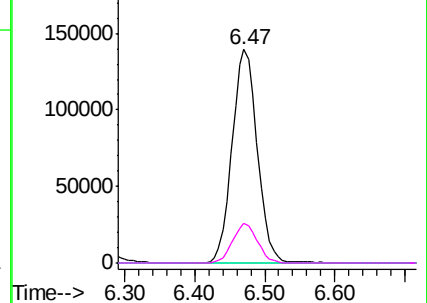
61 18.3 14.4 21.6

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.430 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Instrument :

MSVOA_X

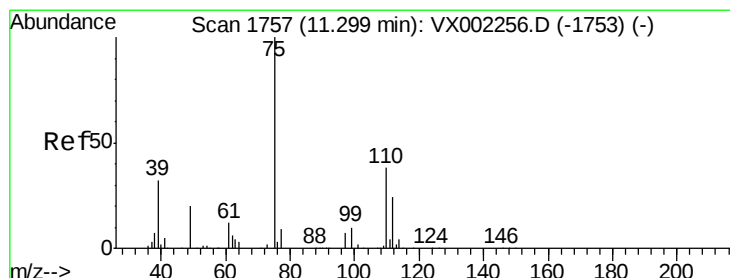
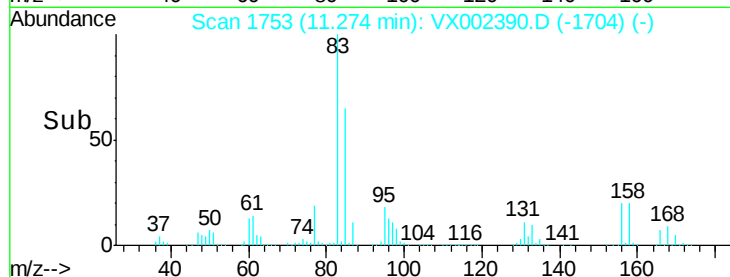
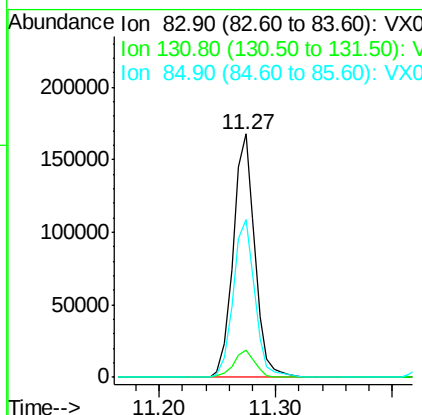
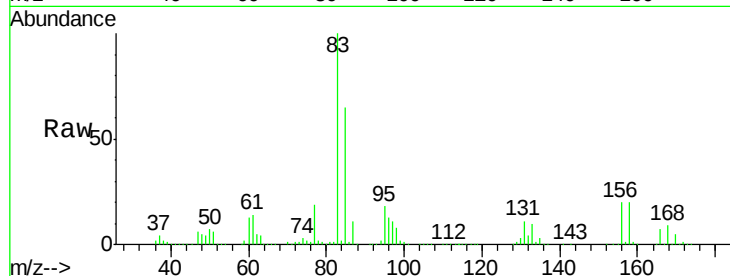
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	21686
Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.6	16.8
85	65.1	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
6/8/2018 1:20:29 PM



#76

1,2,3-Trichloropropane

Concen: 49.191 ug/l m

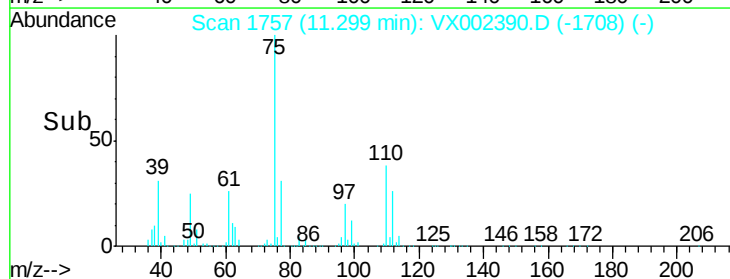
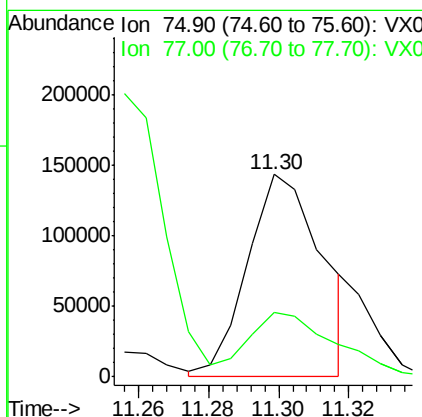
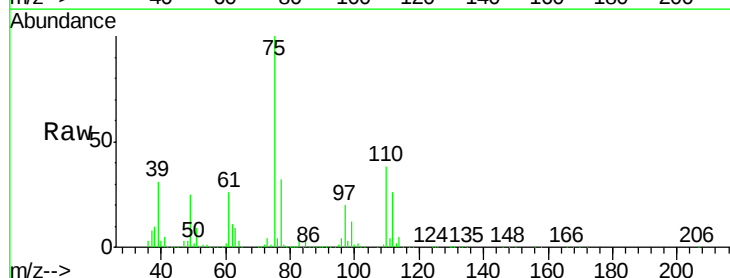
RT: 11.30 min Scan# 1757

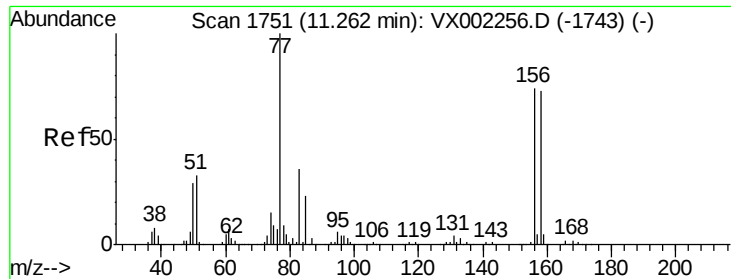
Delta R.T. -0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Tgt Ion:	75	Resp:	211978
Ion	Ratio	Lower	Upper
75	100		
77	37.5	22.8	68.3





#77

Bromobenzene

Concen: 49.109 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Instrument :

MSVOA_X

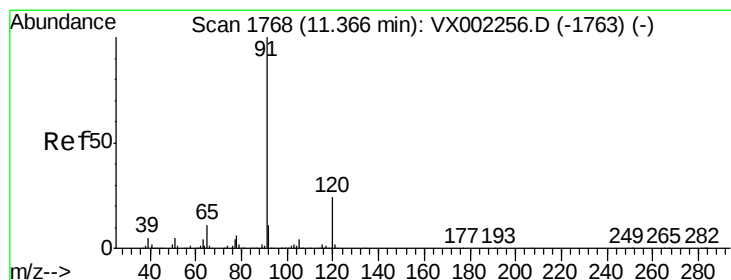
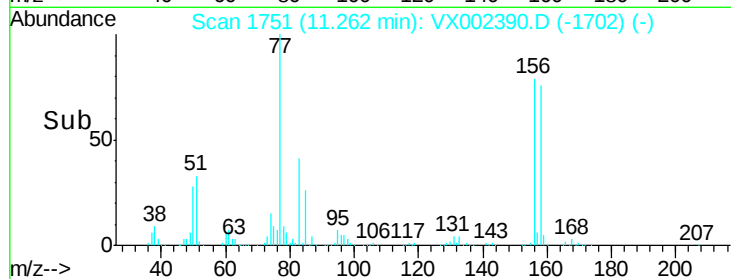
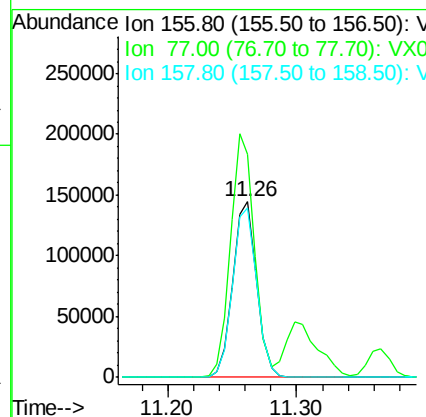
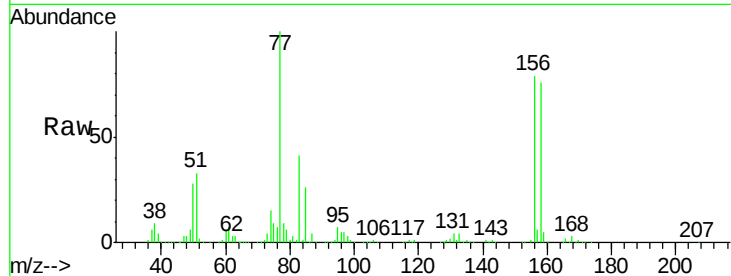
ClientSampleId :

VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
156	100		
77	138.9	71.4	214.2
158	98.1	48.9	146.6

Manual Integrations
APPROVED

MMDadoda
6/8/2018 1:20:29 PM



#78

n-propylbenzene

Concen: 45.055 ug/l

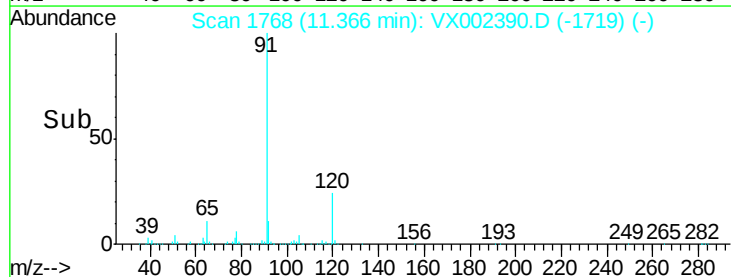
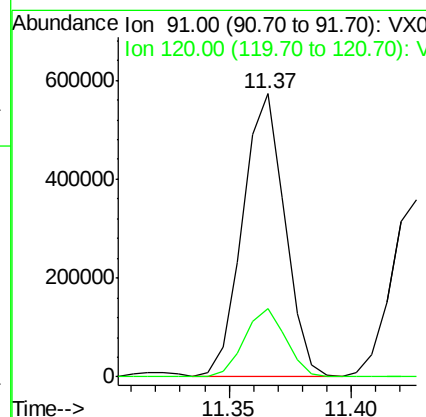
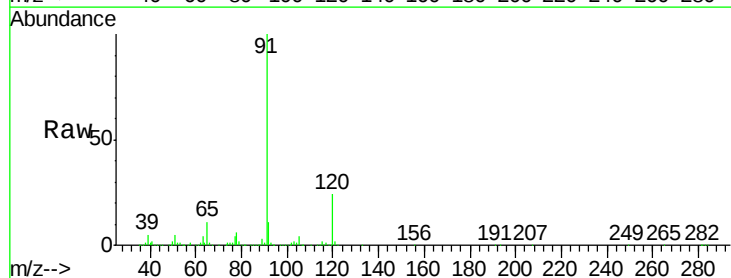
RT: 11.37 min Scan# 1768

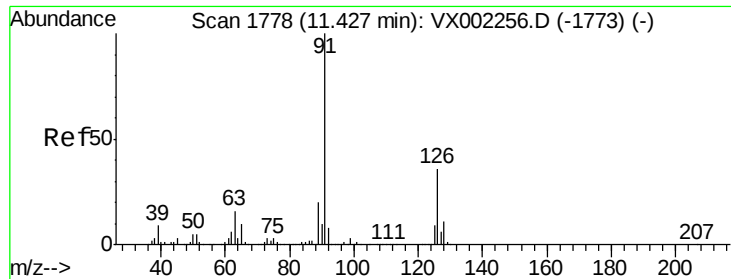
Delta R.T. -0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.8	35.4





#79

2-Chlorotoluene

Concen: 46.002 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 441069

Ion Ratio Lower Upper

91 100

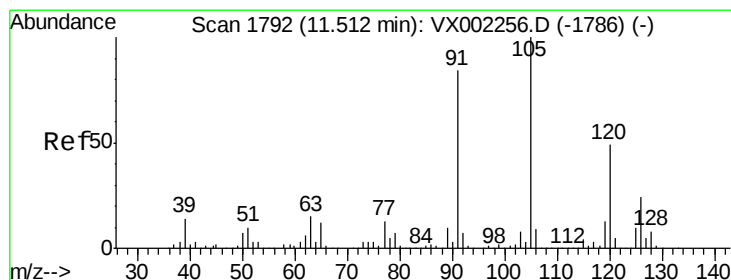
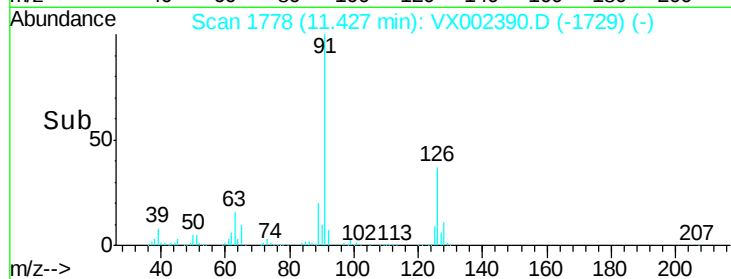
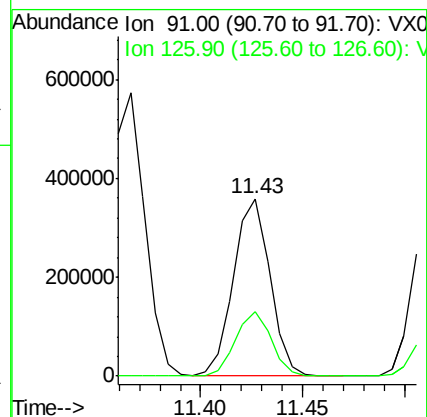
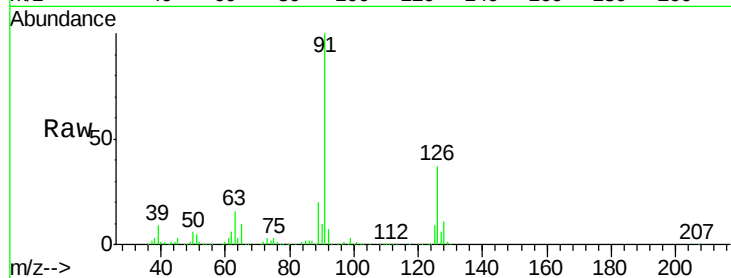
126 36.0 17.7 53.1

Manual Integrations

APPROVED

MMDadoda

6/8/2018 1:20:29 PM



#80

1,3,5-Trimethylbenzene

Concen: 45.777 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002390.D

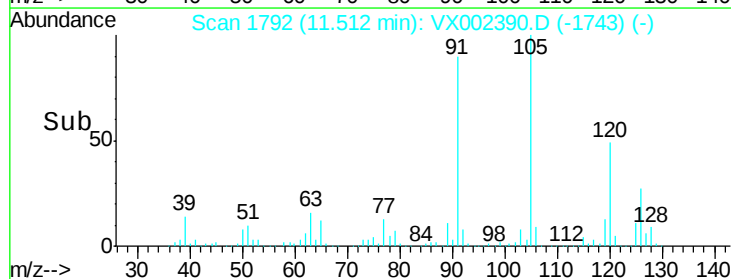
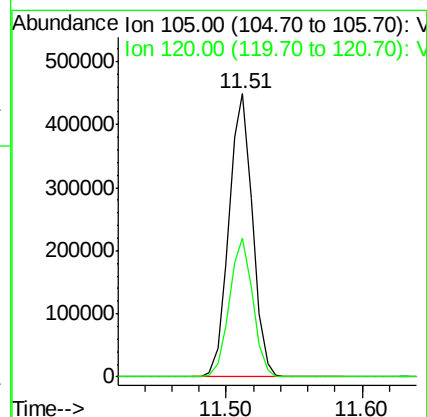
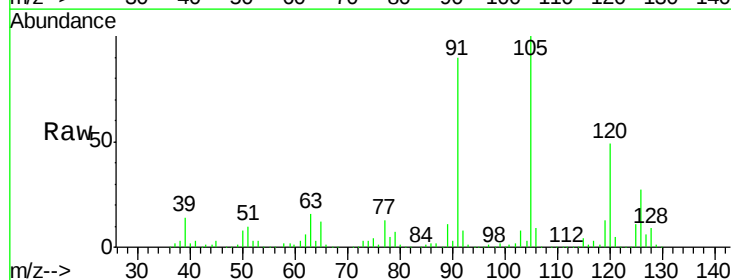
Acq: 07 Jun 2018 20:47

Tgt Ion: 105 Resp: 536407

Ion Ratio Lower Upper

105 100

120 48.7 24.4 73.4





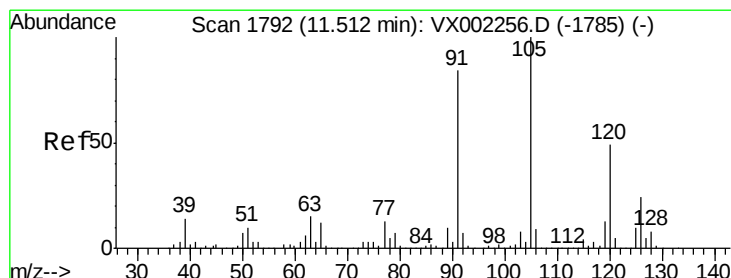
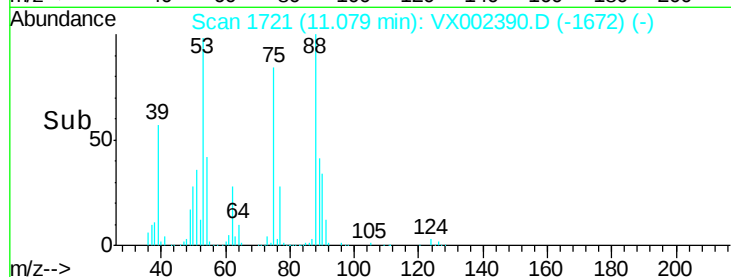
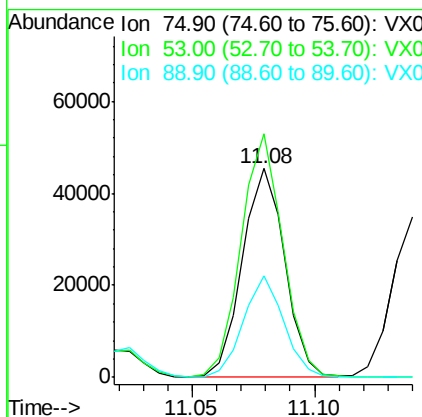
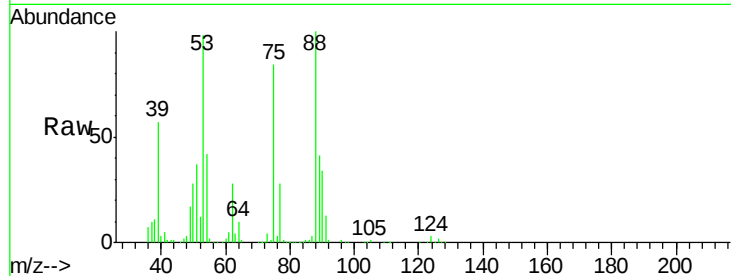
#81
trans-1,4-Dichloro-2-butene
Concen: 44.130 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
75	100		
53	115.5	86.8	130.2
89	47.0	38.2	57.2

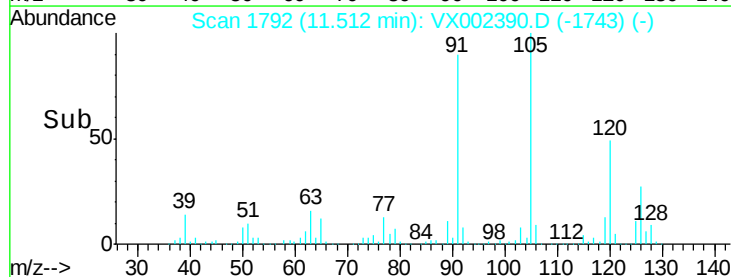
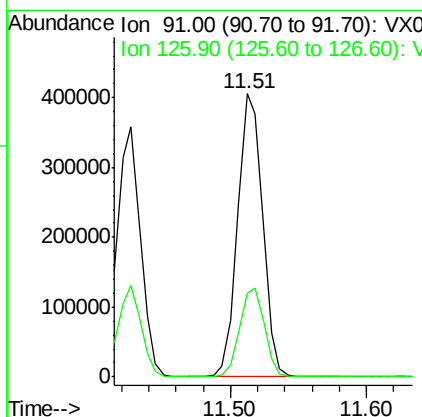
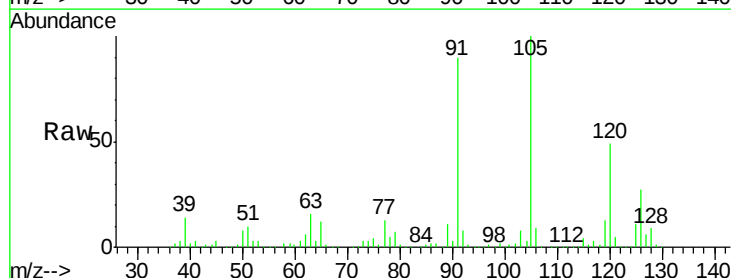
Manual Integrations
APPROVED

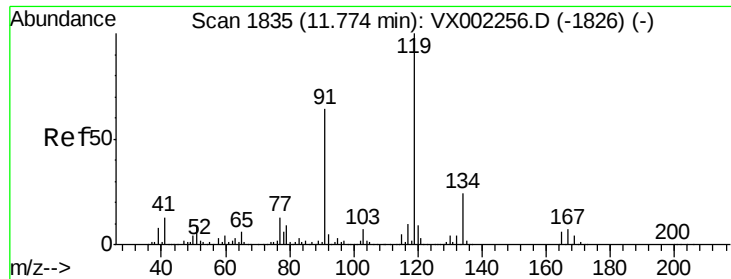
MMDadoda
6/8/2018 1:20:29 PM



#82
4-Chlorotoluene
Concen: 46.720 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.4	46.4





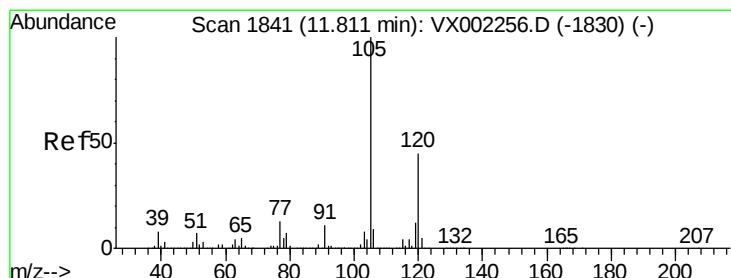
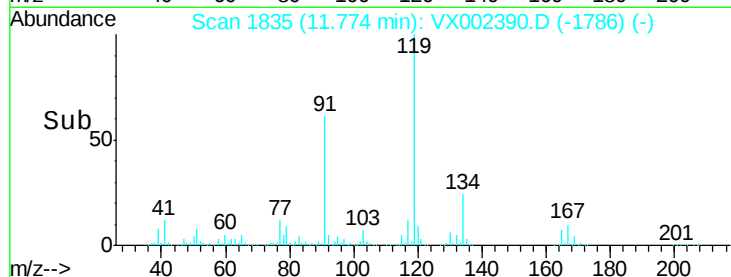
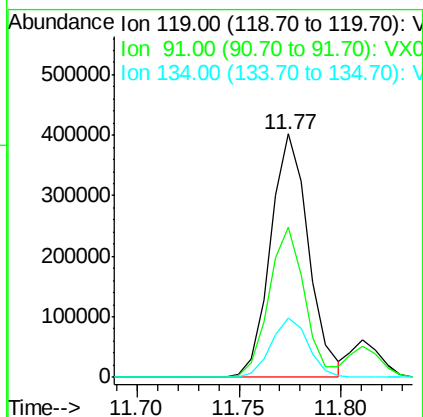
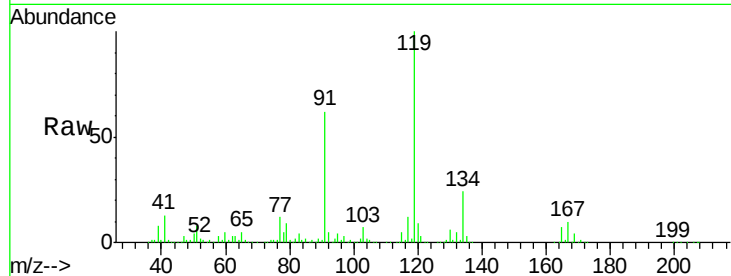
#83
 tert-Butylbenzene
 Concen: 45.790 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002390.D
 Acq: 07 Jun 2018 20:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
119	100		
91	58.4	30.3	90.9
134	23.9	11.7	35.1

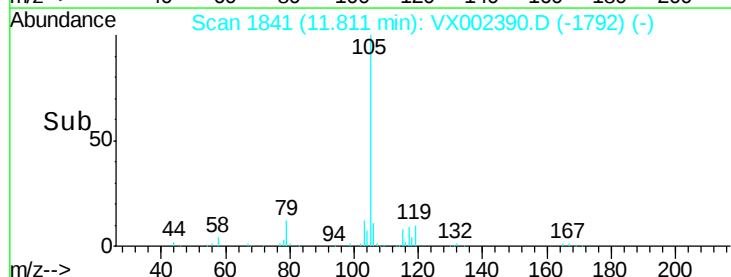
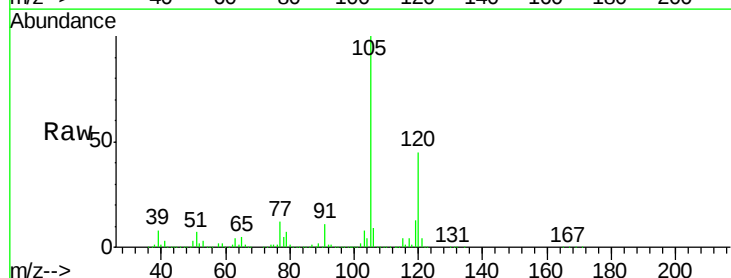
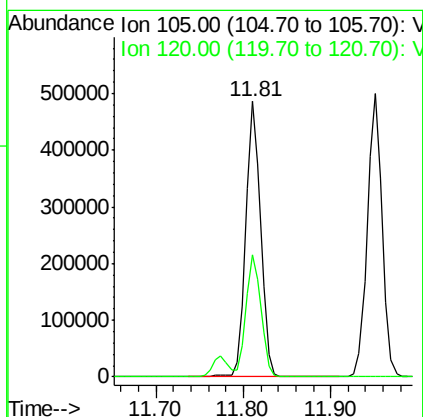
Manual Integrations
 APPROVED

MMDadoda
 6/8/2018 1:20:29 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 47.452 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002390.D
 Acq: 07 Jun 2018 20:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.3	66.8





#85

sec-Butylbenzene

Concen: 44.351 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 593286

Ion Ratio Lower Upper

105 100

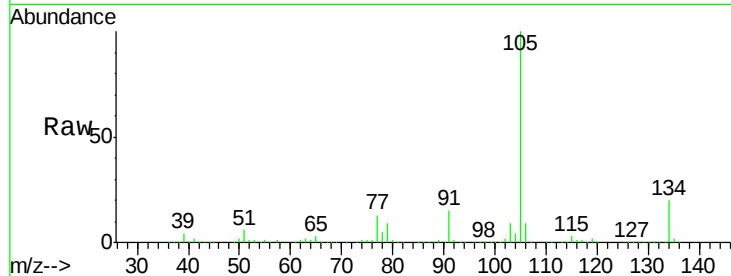
134 20.9 10.4 31.1

Manual Integrations

APPROVED

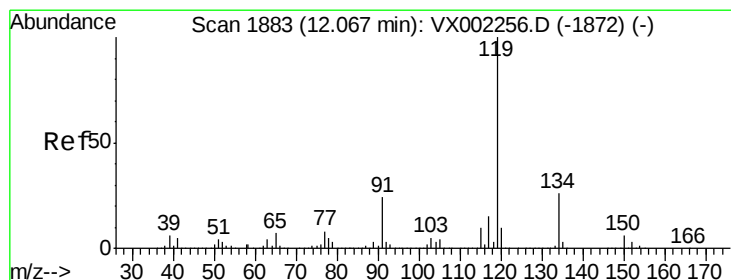
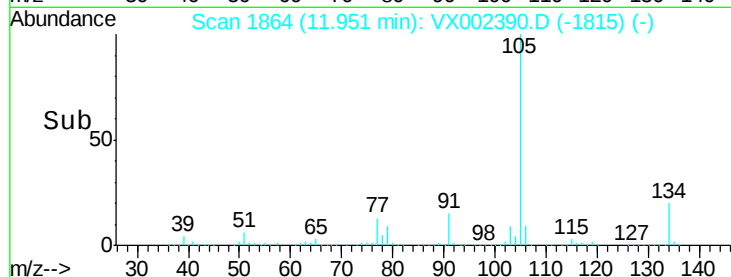
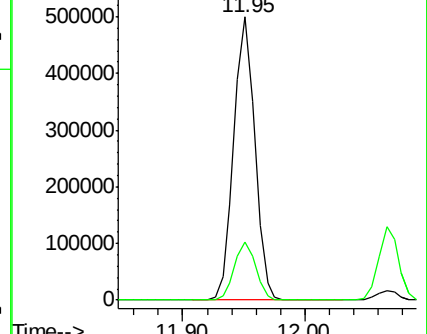
MMDadoda

6/8/2018 1:20:29 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.227 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

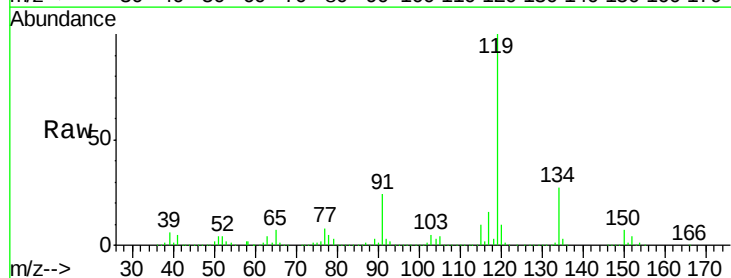
Tgt Ion:119 Resp: 551078

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

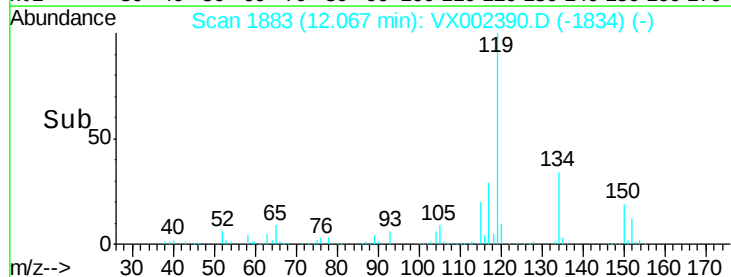
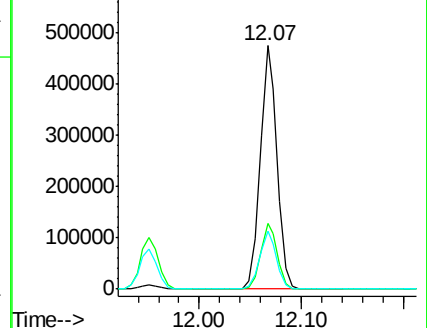
91 23.6 11.9 35.7

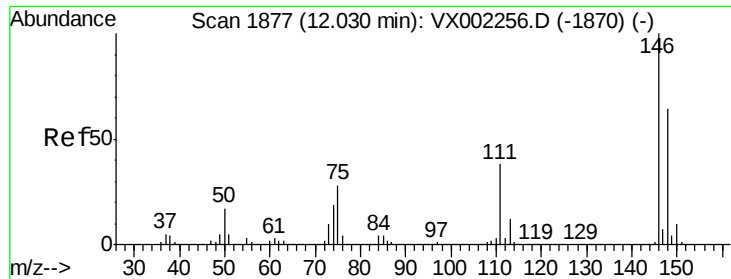


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





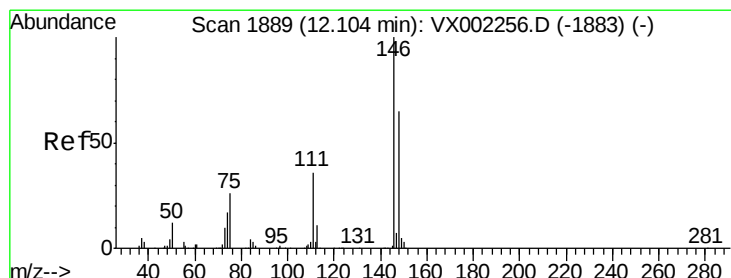
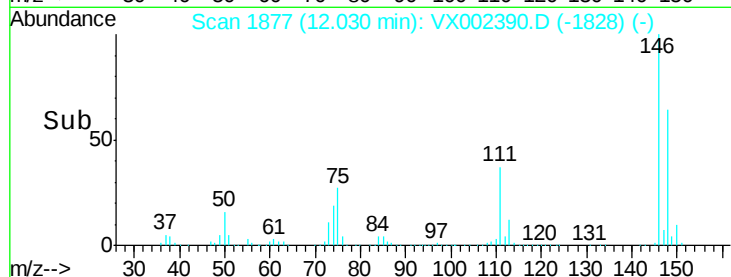
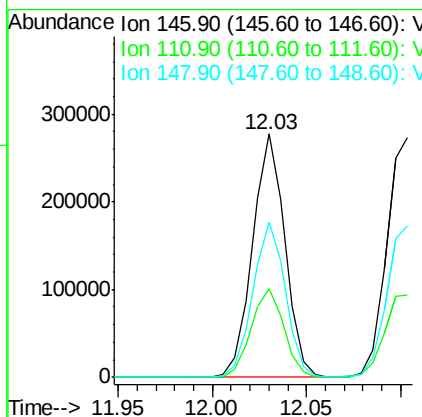
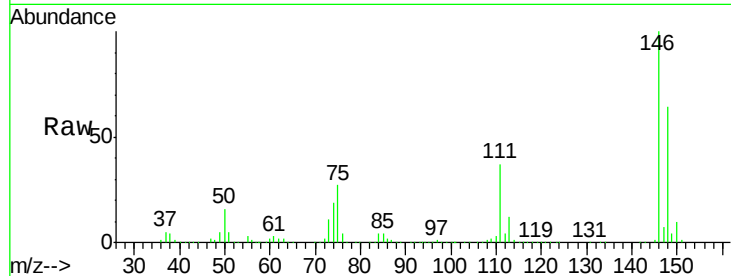
#87
 1,3-Dichlorobenzene
 Concen: 47.983 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002390.D
 Acq: 07 Jun 2018 20:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.9	56.7
148	64.2	32.1	96.3

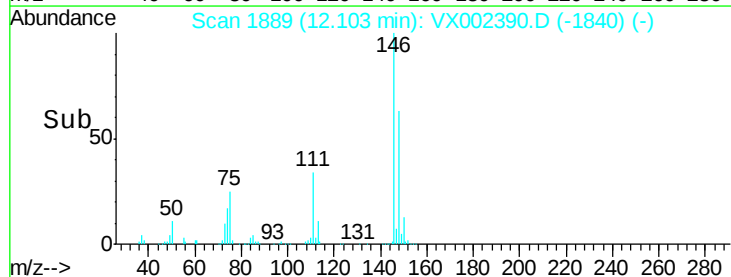
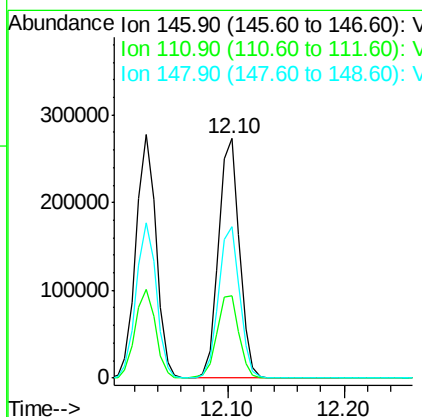
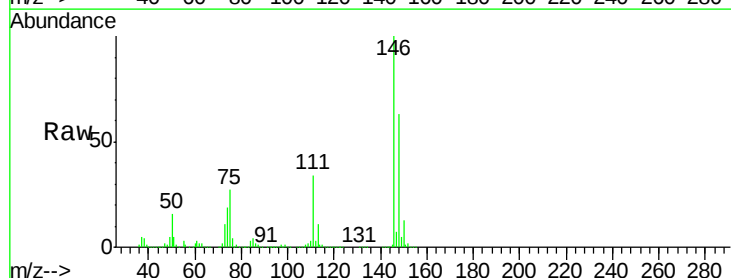
Manual Integrations
 APPROVED

MMDadoda
 6/8/2018 1:20:29 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.465 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002390.D
 Acq: 07 Jun 2018 20:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.7	56.1
148	64.3	32.4	97.0





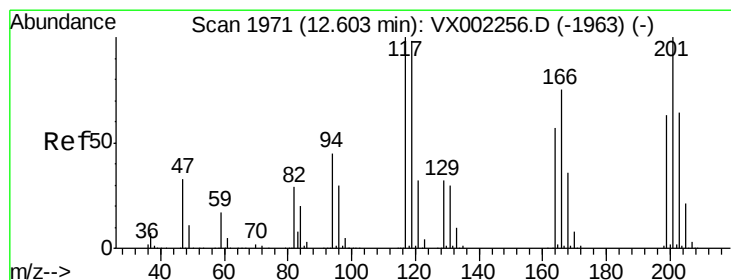
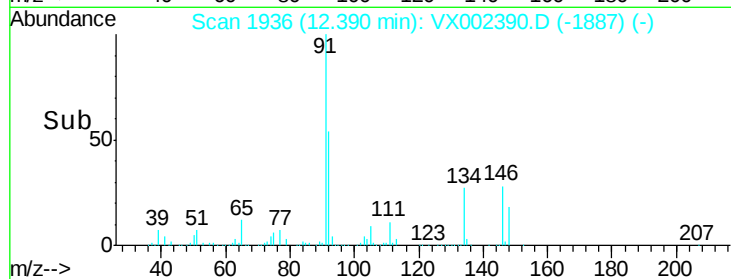
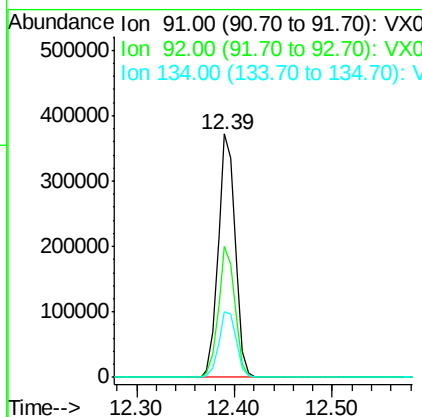
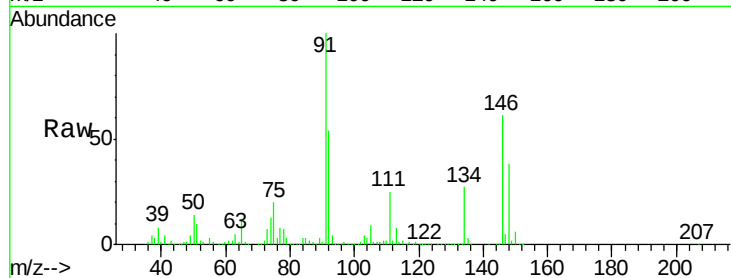
#89
n-Butylbenzene
Concen: 43.480 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 444329
Ion Ratio Lower Upper
91 100
92 52.5 26.0 78.0
134 27.6 13.5 40.5

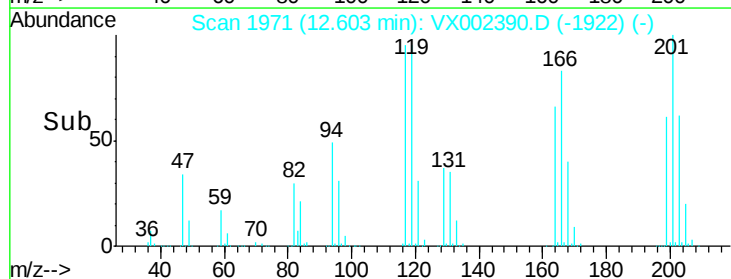
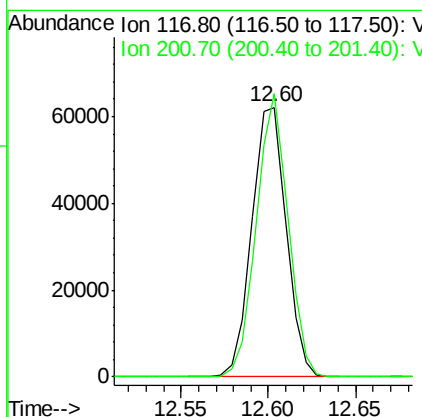
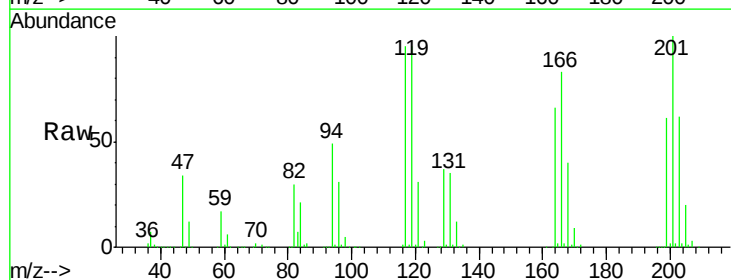
Manual Integrations
APPROVED

MMDadoda
6/8/2018 1:20:29 PM



#90
Hexachloroethane
Concen: 43.752 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002390.D
Acq: 07 Jun 2018 20:47

Tgt Ion: 117 Resp: 85101
Ion Ratio Lower Upper
117 100
201 96.6 49.0 147.0





#91

1,2-Dichlorobenzene

Concen: 49.494 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Instrument :

MSVOA_X

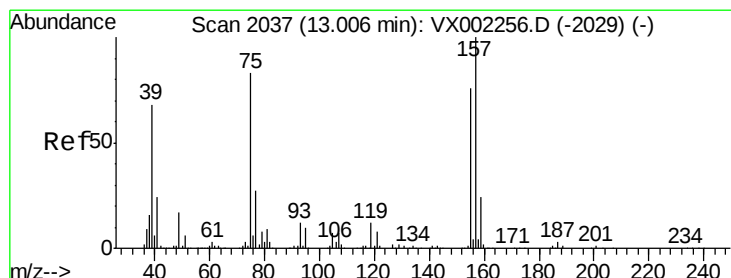
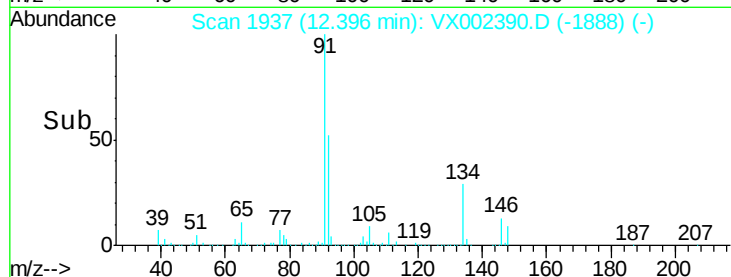
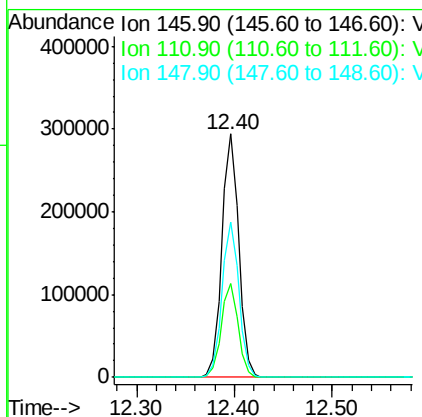
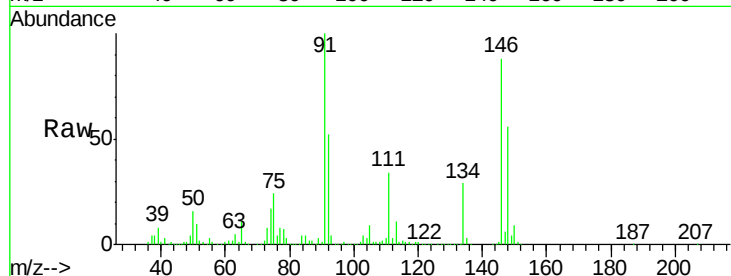
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	146	Resp:	351177
Ion Ratio	Lower	Upper	
146	100		
111	38.2	19.4	58.1
148	63.9	31.7	95.1

Manual Integrations
APPROVED

MMDadoda
6/8/2018 1:20:29 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.107 ug/l

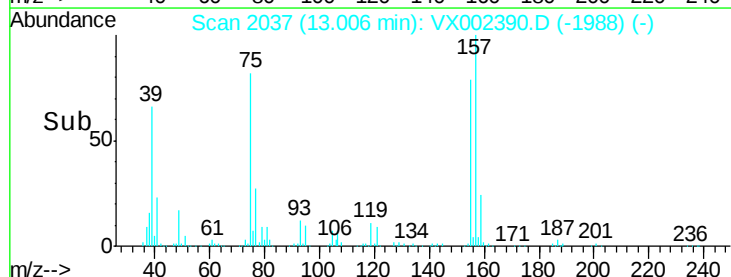
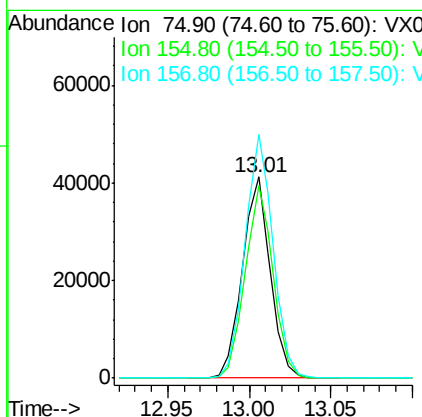
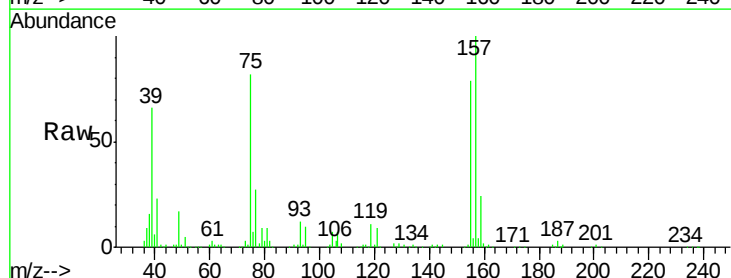
RT: 13.01 min Scan# 2037

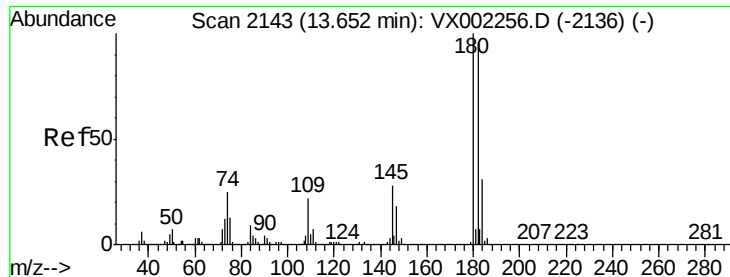
Delta R.T. -0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Tgt Ion:	75	Resp:	48961
Ion Ratio	Lower	Upper	
75	100		
155	95.6	45.8	137.4
157	122.1	60.1	180.3





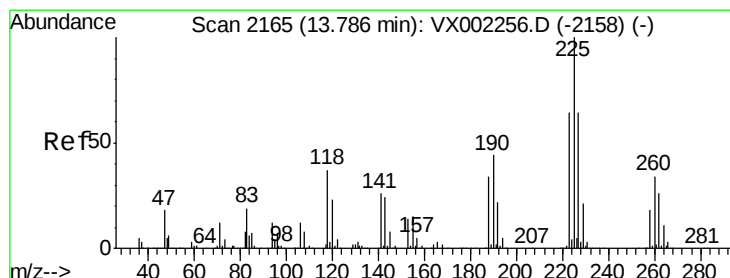
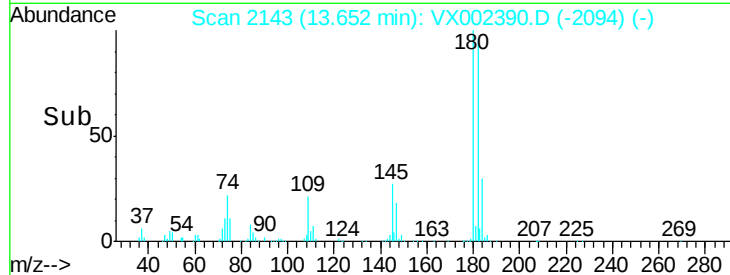
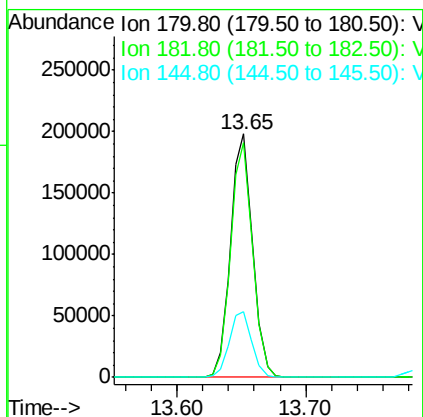
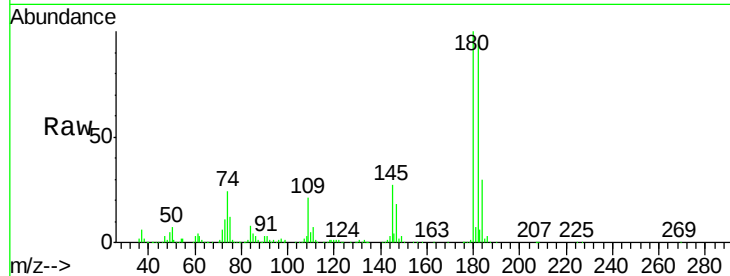
#93
 1,2,4-Trichlorobenzene
 Concen: 47.874 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002390.D
 Acq: 07 Jun 2018 20:47

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	238183		
182	96.2	47.7	143.1	
145	27.6	14.1	42.4	

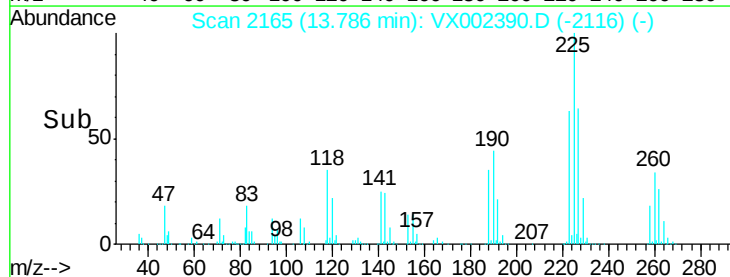
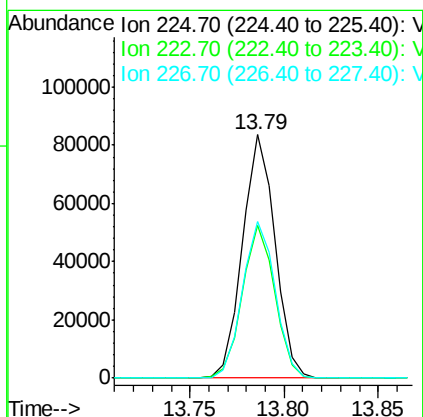
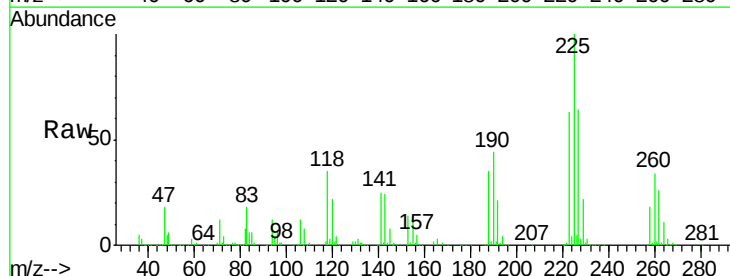
Manual Integrations
 APPROVED

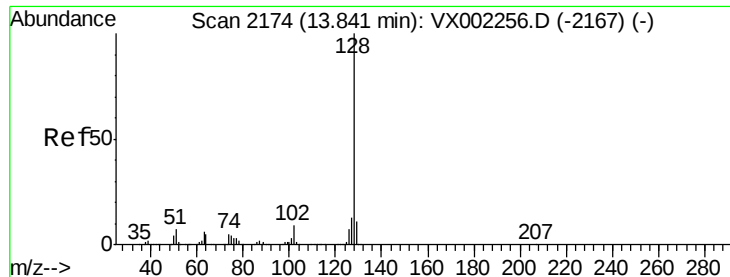
MMDadoda
 6/8/2018 1:20:29 PM



#94
 Hexachlorobutadiene
 Concen: 40.787 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002390.D
 Acq: 07 Jun 2018 20:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	100275		
223	62.4	31.6	95.0	
227	64.7	32.4	97.2	





#95

Naphthalene

Concen: 52.807 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Instrument :

MSVOA_X

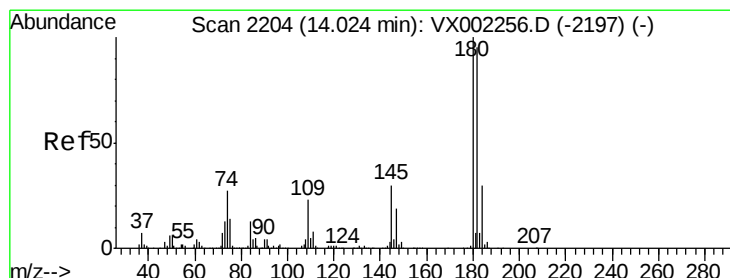
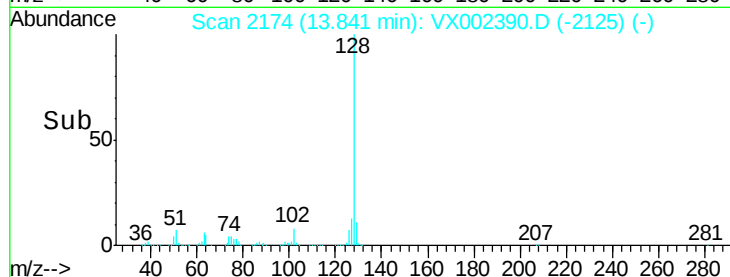
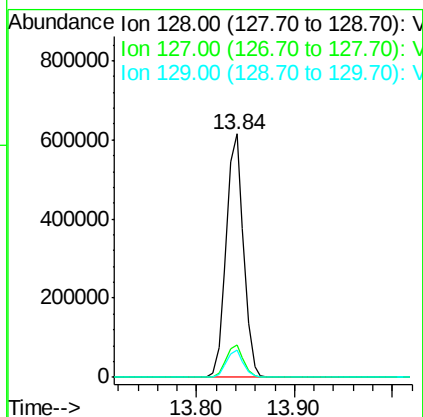
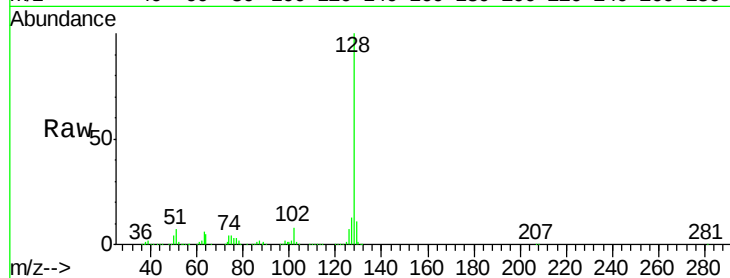
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	128	Resp:	754859
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/8/2018 1:20:29 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.709 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002390.D

Acq: 07 Jun 2018 20:47

Tgt Ion:	180	Resp:	252219
Ion Ratio	Lower	Upper	
180	100		
182	95.2	48.0	144.0
145	29.3	14.8	44.3

