

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062018\
 Data File : VX002733.D
 Acq On : 20 Jun 2018 10:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/22/2018 8:07:41 AM

Quant Time: Jun 21 04:05:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	229402	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	313361	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	306475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	201407	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	147096	42.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.40%	
35) Dibromofluoromethane	5.50	113	116550	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
50) Toluene-d8	8.72	98	424366	44.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.38%	
62) 4-Bromofluorobenzene	11.14	95	166147	46.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	111918	45.96	ug/l	98
3) Chloromethane	1.32	50	115664	39.93	ug/l	98
4) Vinyl Chloride	1.40	62	127251	42.33	ug/l	98
5) Bromomethane	1.64	94	68481	37.75	ug/l	100
6) Chloroethane	1.71	64	85316	43.06	ug/l	100
7) Trichlorofluoromethane	1.92	101	218740	44.79	ug/l	98
8) Diethyl Ether	2.19	74	81665	43.96	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	124943	45.77	ug/l	99
10) Methyl Iodide	2.51	142	137625	38.66	ug/l	98
11) Tert butyl alcohol	3.07	59	139088	193.00	ug/l	99
12) 1,1-Dichloroethene	2.37	96	107991	42.13	ug/l	97
13) Acrolein	2.29	56	98677	290.92	ug/l	99
14) Allyl chloride	2.73	41	220266	43.28	ug/l	99
15) Acrylonitrile	3.15	53	328717	209.03	ug/l	100
16) Acetone	2.45	43	347993	226.26	ug/l	100
17) Carbon Disulfide	2.57	76	286187	47.07	ug/l	99
18) Methyl Acetate	2.78	43	178451	43.55	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	419798	43.66	ug/l	100
20) Methylene Chloride	2.85	84	127628	40.47	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	118719	42.69	ug/l	98
22) Diisopropyl ether	3.87	45	435910	47.34	ug/l	97
23) Vinyl Acetate	3.82	43	1907435	247.50	ug/l	100
24) 1,1-Dichloroethane	3.70	63	231017	46.23	ug/l	100
25) 2-Butanone	4.71	43	459385	227.44	ug/l	98
26) 2,2-Dichloropropane	4.59	77	171371	47.72	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	131054	46.32	ug/l	93
28) Bromochloromethane	5.02	49	100990	43.15	ug/l	96
29) Tetrahydrofuran	5.16	42	286976	216.79	ug/l	97
30) Chloroform	5.21	83	230555	47.84	ug/l	99
31) Cyclohexane	5.57	56	186938	45.43	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	194905	48.36	ug/l	99
36) 1,1-Dichloropropene	5.80	75	163673	49.18	ug/l	99
37) Ethyl Acetate	4.86	43	178208	47.31	ug/l	99
38) Carbon Tetrachloride	5.78	117	175689	53.01	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062018\
 Data File : VX002733.D
 Acq On : 20 Jun 2018 10:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/22/2018 8:07:41 AM

Quant Time: Jun 21 04:05:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	194402	49.97	ug/l	97
40) Benzene	6.15	78	485526	48.65	ug/l	99
41) Methacrylonitrile	5.06	41	102808	48.34	ug/l	98
42) 1,2-Dichloroethane	6.20	62	194551	50.36	ug/l	100
43) Isopropyl Acetate	6.46	43	299768	48.03	ug/l	99
44) Trichloroethene	7.21	130	142555	49.49	ug/l	100
45) 1,2-Dichloropropane	7.52	63	130029	49.51	ug/l	100
46) Dibromomethane	7.67	93	90665	51.61	ug/l	97
47) Bromodichloromethane	7.90	83	168940	54.52	ug/l	97
48) Methyl methacrylate	7.78	41	157552	49.40	ug/l	98
49) 1,4-Dioxane	7.76	88	52253	865.15	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	967799	241.51	ug/l	99
52) Toluene	8.79	92	315190	49.51	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	201449	49.16	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	188919	48.39	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	133941	52.07	ug/l	98
56) Ethyl methacrylate	9.18	69	201554	50.92	ug/l	98
57) 1,3-Dichloropropane	9.37	76	217890	50.09	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	440236	229.94	ug/l	99
59) 2-Hexanone	9.50	43	739272	244.82	ug/l	98
60) Dibromochloromethane	9.59	129	140500	48.67	ug/l	99
61) 1,2-Dibromoethane	9.68	107	141271	53.03	ug/l	99
64) Tetrachloroethene	9.34	164	156316	45.95	ug/l	97
65) Chlorobenzene	10.14	112	371687	49.38	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	136925	53.36	ug/l	99
67) Ethyl Benzene	10.26	91	626607	49.36	ug/l	98
68) m/p-Xylenes	10.36	106	490077	100.08	ug/l	99
69) o-Xylene	10.70	106	239414	49.76	ug/l	98
70) Styrene	10.71	104	406097	51.32	ug/l	99
71) Bromoform	10.86	173	110871	47.71	ug/l	99
73) Isopropylbenzene	11.02	105	643573	47.78	ug/l	100
74) N-amyl acetate	6.46	43	299768	44.79	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	199756	50.22	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	200241m	52.69	ug/l	
77) Bromobenzene	11.26	156	183986	49.03	ug/l	96
78) n-propylbenzene	11.37	91	741492	48.00	ug/l	99
79) 2-Chlorotoluene	11.43	91	437752	47.46	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	552451	48.53	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	54789	46.45	ug/l	97
82) 4-Chlorotoluene	11.51	91	530344	48.73	ug/l	99
83) tert-Butylbenzene	11.77	119	533182	48.62	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	574555	49.46	ug/l	99
85) sec-Butylbenzene	11.95	105	656716	48.16	ug/l	100
86) p-Isopropyltoluene	12.07	119	608064	49.28	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	335982	48.82	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	344878	49.25	ug/l	98
89) n-Butylbenzene	12.39	91	532627	48.93	ug/l	100
90) Hexachloroethane	12.60	117	86255	45.12	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	339728	49.05	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	42736	51.29	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062018\
Data File : VX002733.D
Acq On : 20 Jun 2018 10:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

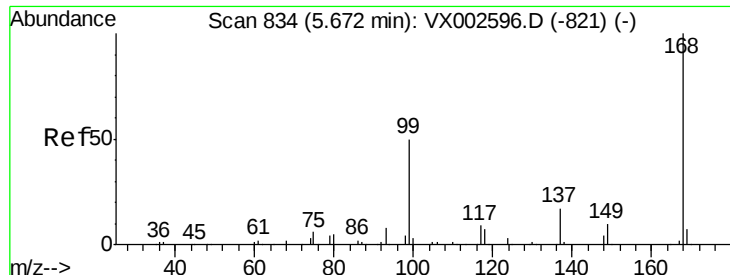
Manual Integrations
APPROVED

apatel
6/22/2018 8:07:41 AM

Quant Time: Jun 21 04:05:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	253394	50.41	ug/l	99
94) Hexachlorobutadiene	13.79	225	131013	49.47	ug/l	98
95) Naphthalene	13.84	128	692821	51.22	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	255630	50.63	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 229402

Ion Ratio Lower Upper

168 100

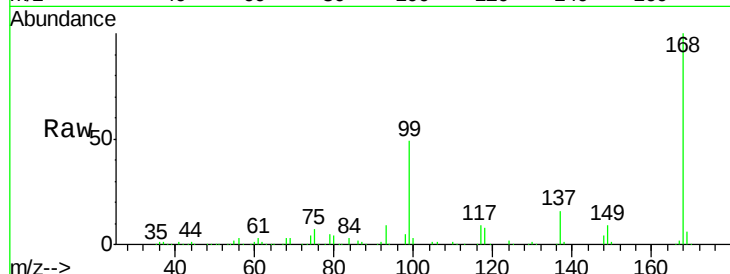
99 49.3 39.3 58.9

Manual Integrations

APPROVED

apatel

6/22/2018 8:07:41 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

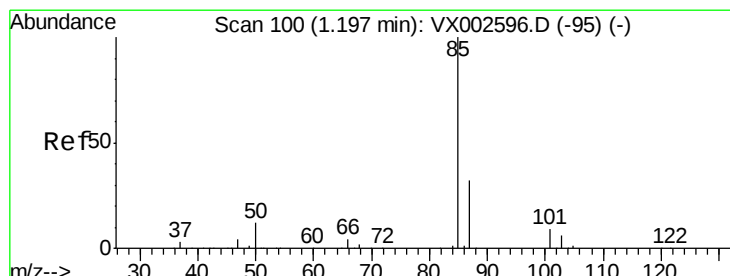
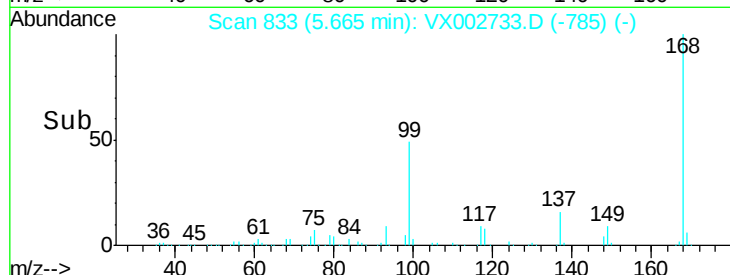
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.96 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002733.D

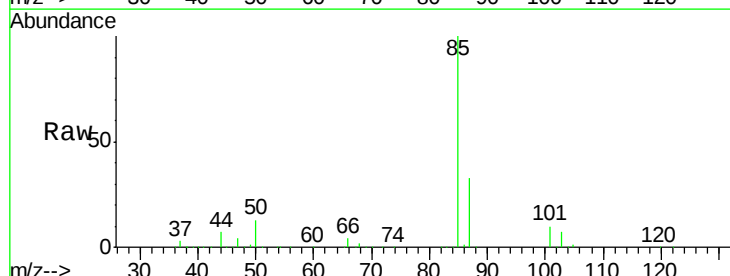
Acq: 20 Jun 2018 10:54

Tgt Ion: 85 Resp: 111918

Ion Ratio Lower Upper

85 100

87 32.7 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

120000

100000

80000

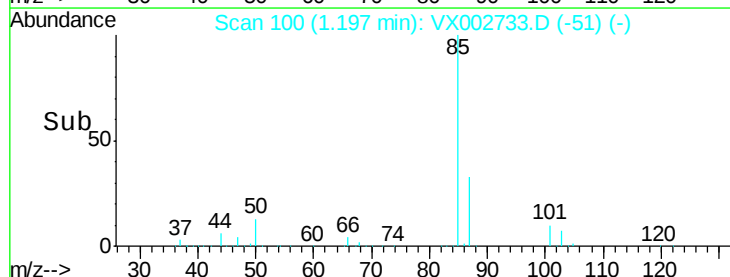
60000

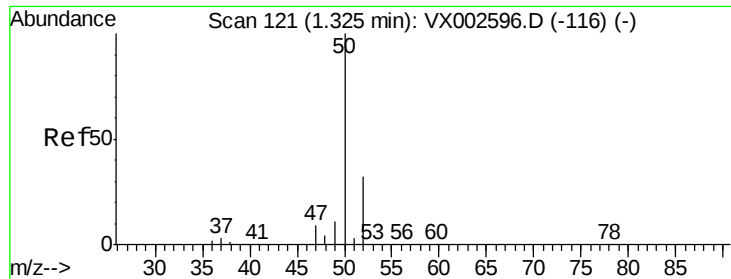
40000

20000

0

Time-->





#3

Chloromethane

Concen: 39.93 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 115664

Ion Ratio Lower Upper

50 100

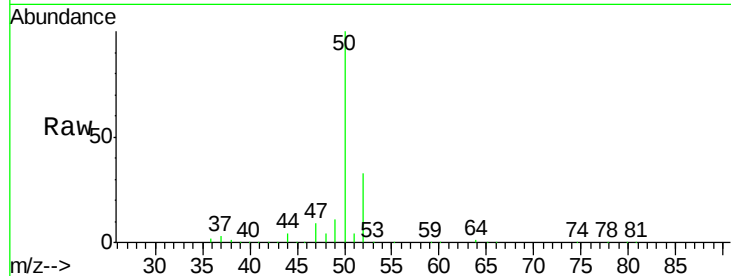
52 33.1 25.7 38.5

Manual Integrations

APPROVED

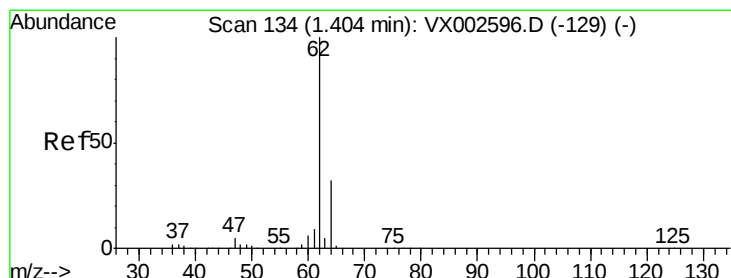
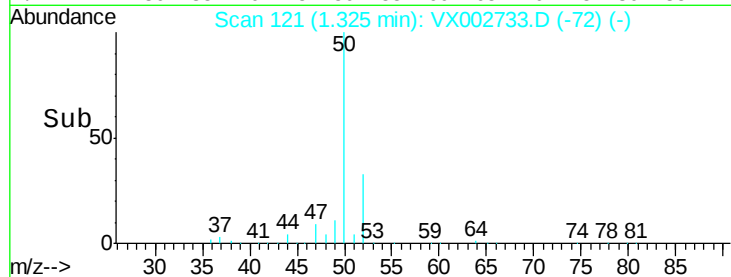
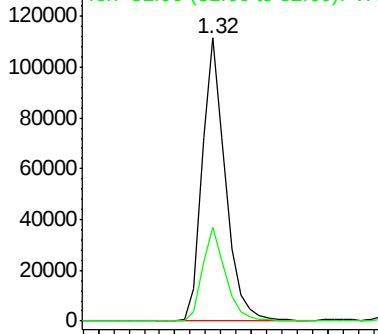
apatel

6/22/2018 8:07:41 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 42.33 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX002733.D

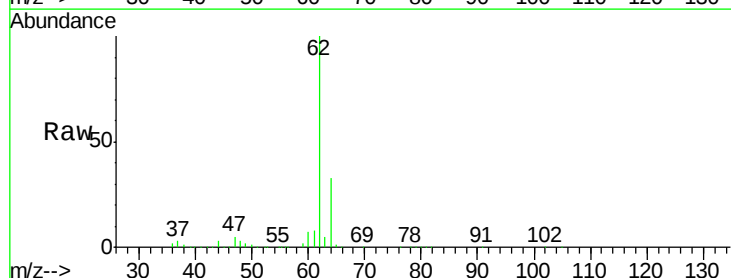
Acq: 20 Jun 2018 10:54

Tgt Ion: 62 Resp: 127251

Ion Ratio Lower Upper

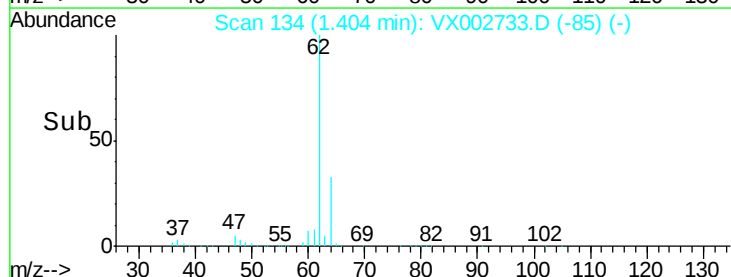
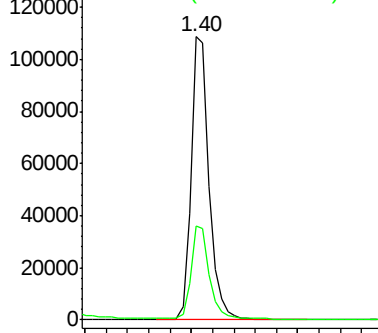
62 100

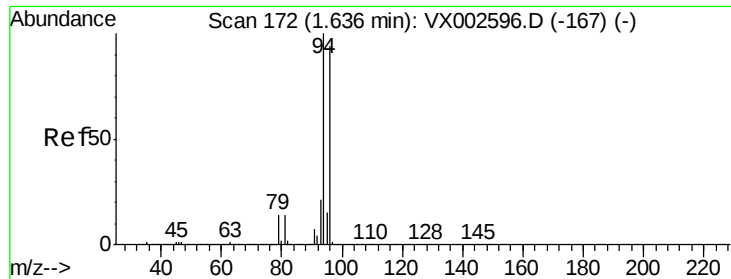
64 32.9 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 37.75 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 68481

Ion Ratio Lower Upper

94 100

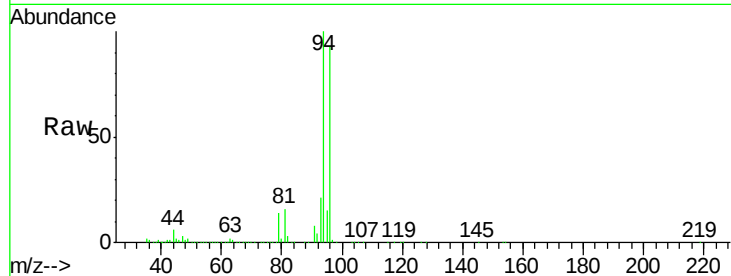
96 93.4 74.9 112.3

Manual Integrations

APPROVED

apatel

6/22/2018 8:07:41 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

80000

60000

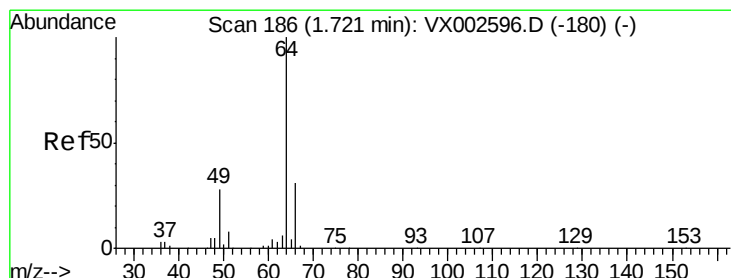
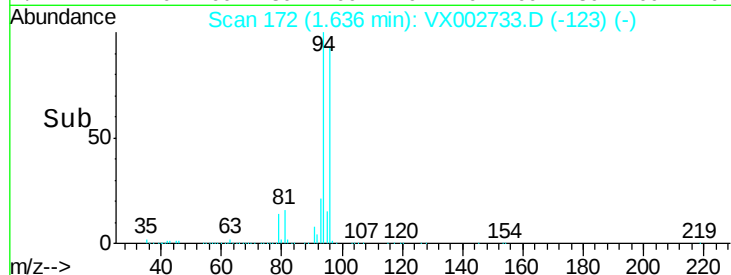
40000

20000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 43.06 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX002733.D

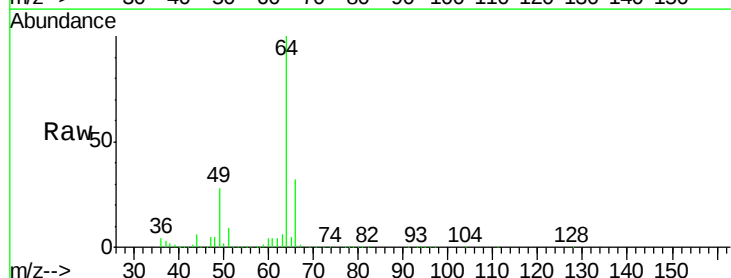
Acq: 20 Jun 2018 10:54

Tgt Ion: 64 Resp: 85316

Ion Ratio Lower Upper

64 100

66 31.9 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

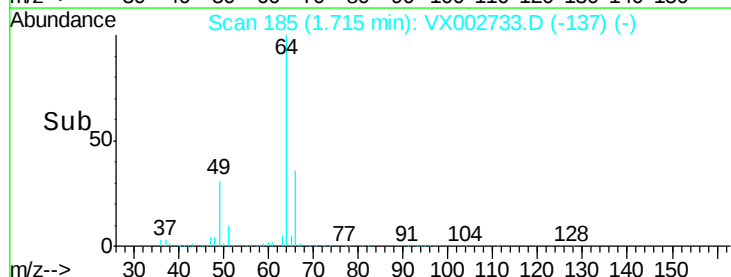
40000

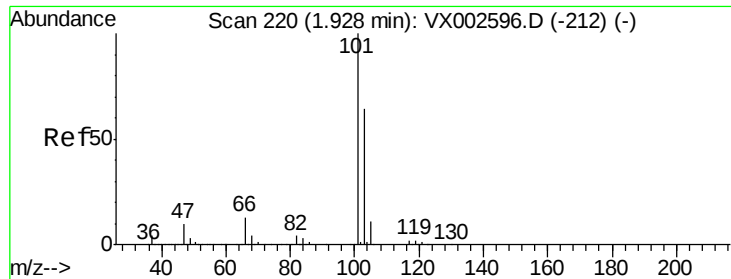
20000

0

Time-->

1.60 1.70 1.80





#7

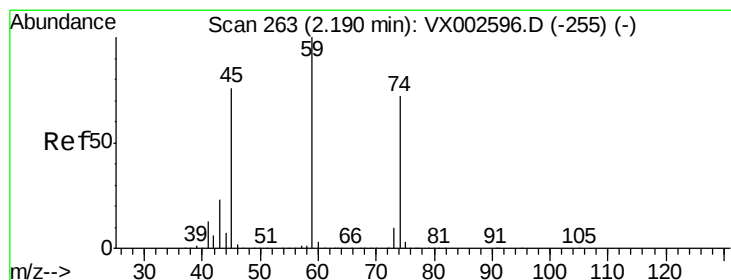
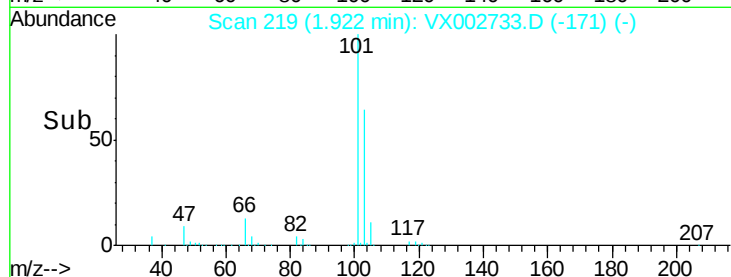
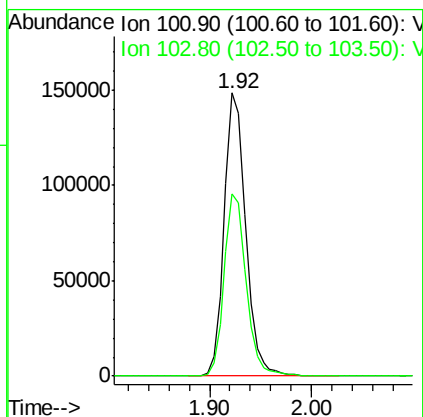
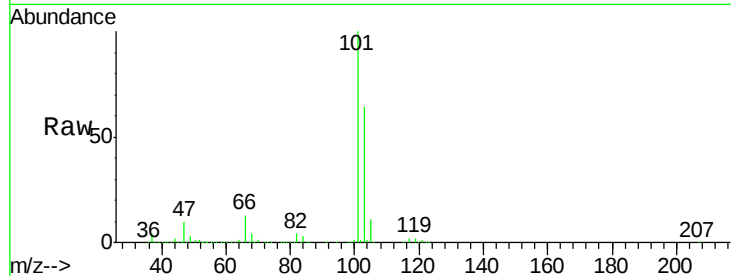
Trichlorofluoromethane
Concen: 44.79 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.8	79.2

Manual Integrations
APPROVED

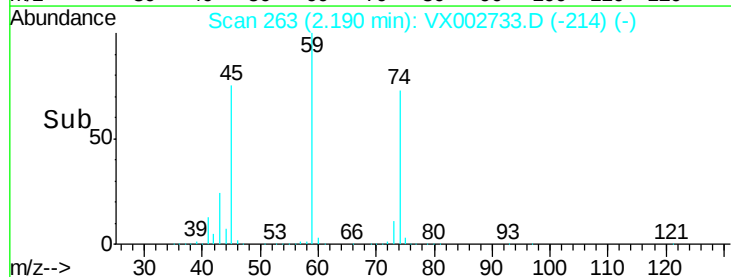
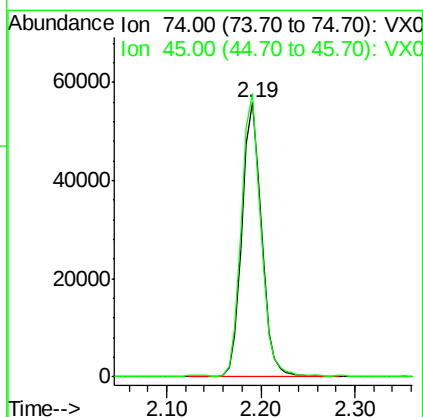
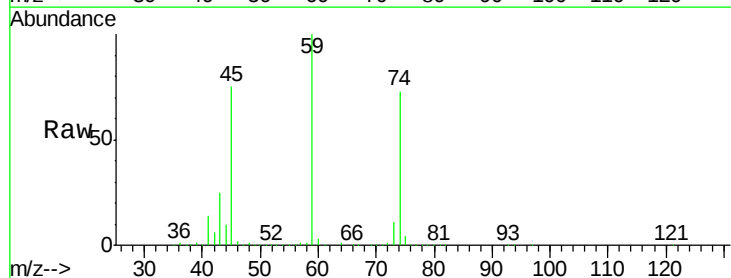
apatel
6/22/2018 8:07:41 AM

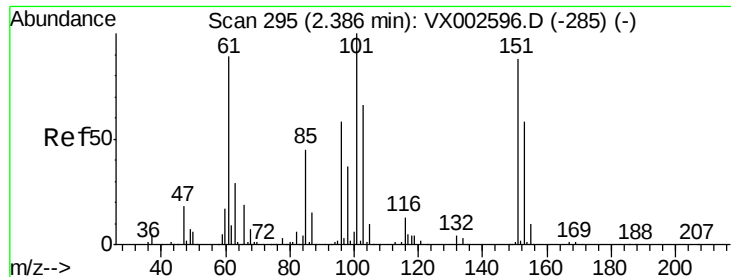


#8

Diethyl Ether
Concen: 43.96 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.3	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.77 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_X

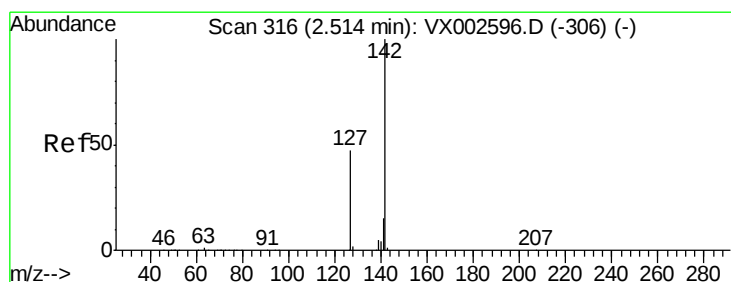
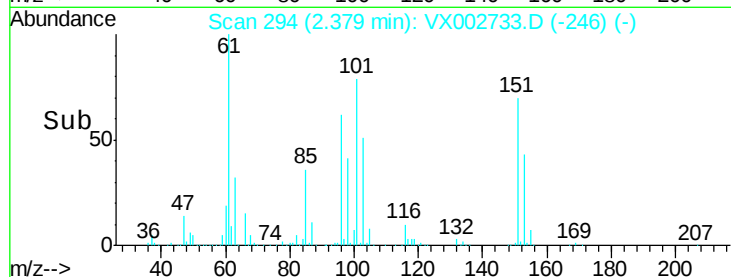
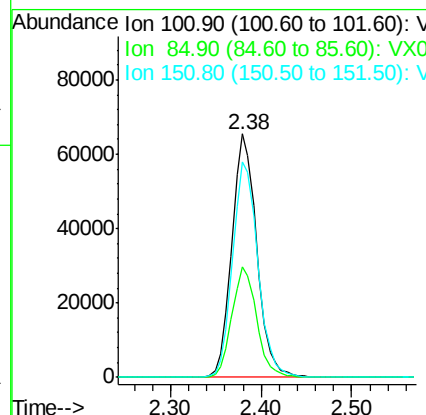
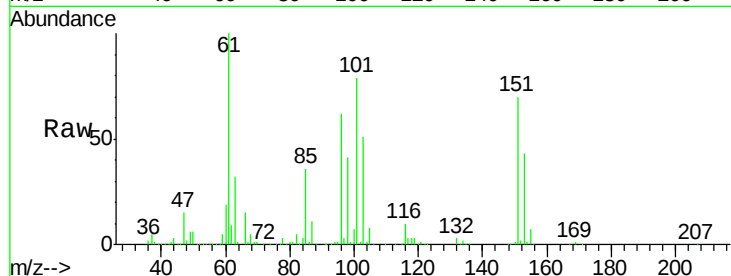
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	124943
Ion Ratio	Lower	Upper	
101	100		
85	45.2	36.0	54.0
151	90.1	70.9	106.3

Manual Integrations
APPROVED

apatel
6/22/2018 8:07:41 AM



#10

Methyl Iodide

Concen: 38.66 ug/l

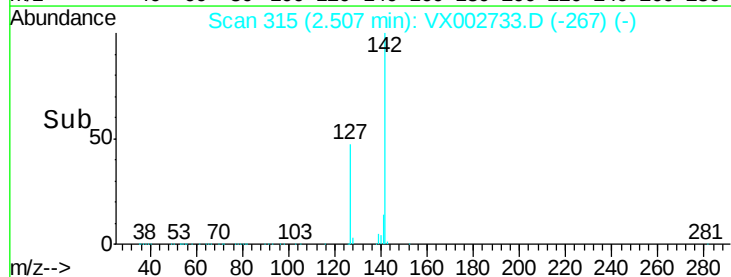
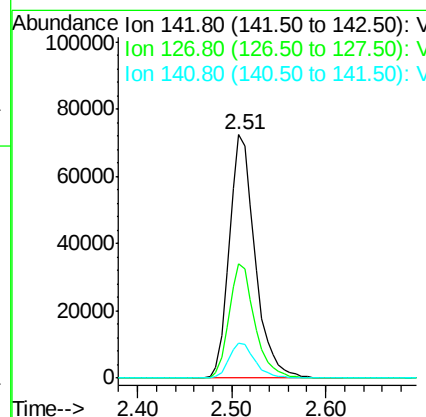
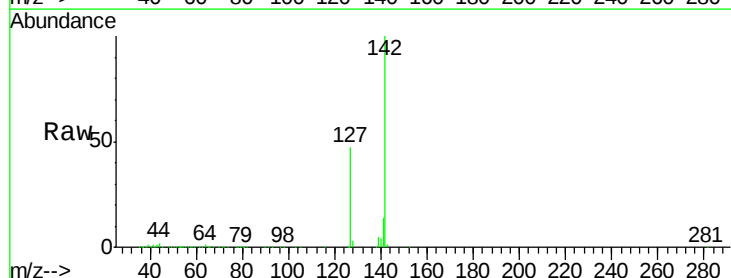
RT: 2.51 min Scan# 315

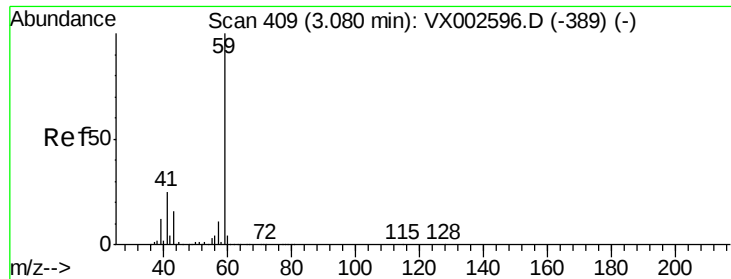
Delta R.T. -0.01 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Tgt Ion:	142	Resp:	137625
Ion Ratio	Lower	Upper	
142	100		
127	46.9	36.6	55.0
141	14.6	11.3	16.9





#11

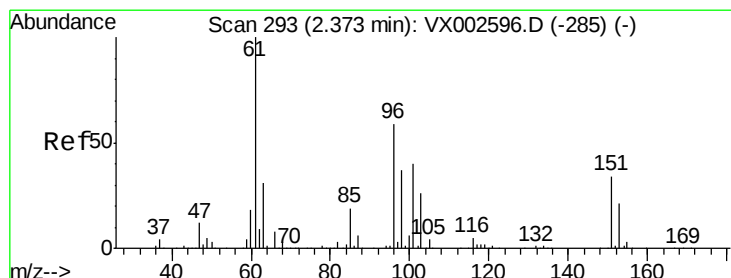
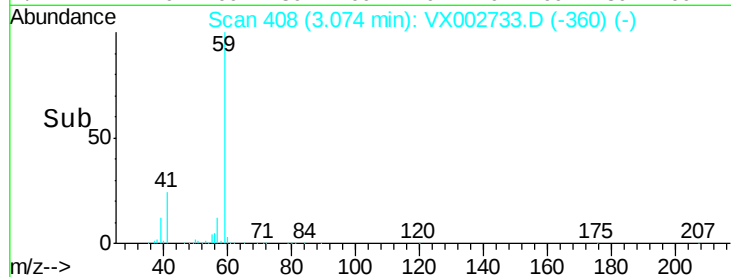
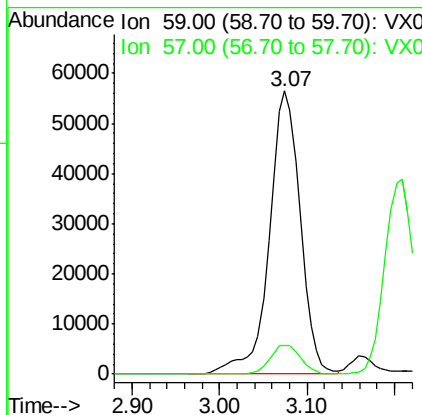
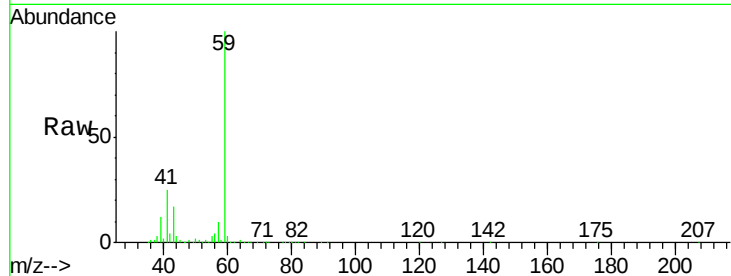
Tert butyl alcohol
 Concen: 193.00 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX002733.D
 Acq: 20 Jun 2018 10:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 59 Resp: 139088
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.2 12.2

Manual Integrations
 APPROVED

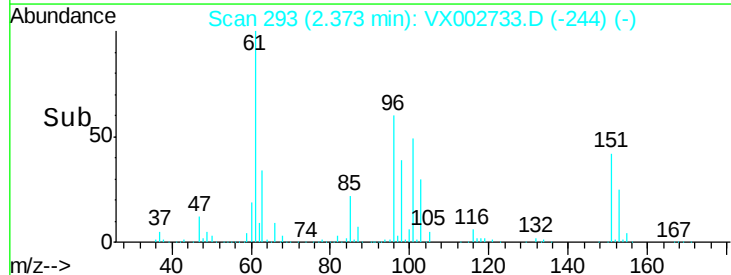
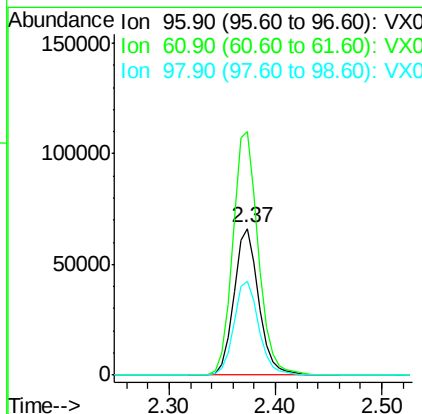
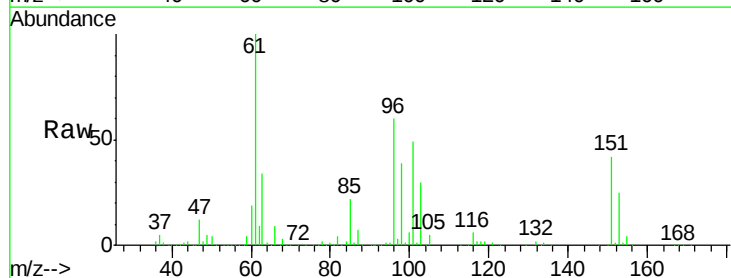
apatel
 6/22/2018 8:07:41 AM

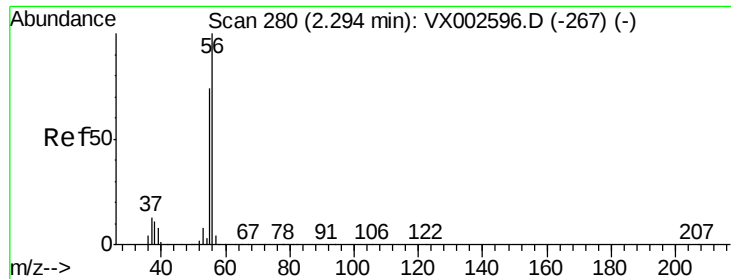


#12

1,1-Dichloroethene
 Concen: 42.13 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX002733.D
 Acq: 20 Jun 2018 10:54

Tgt Ion: 96 Resp: 107991
 Ion Ratio Lower Upper
 96 100
 61 166.0 137.9 206.9
 98 64.3 51.6 77.4





#13

Acrolein

Concen: 290.92 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 98677

Ion Ratio Lower Upper

56 100

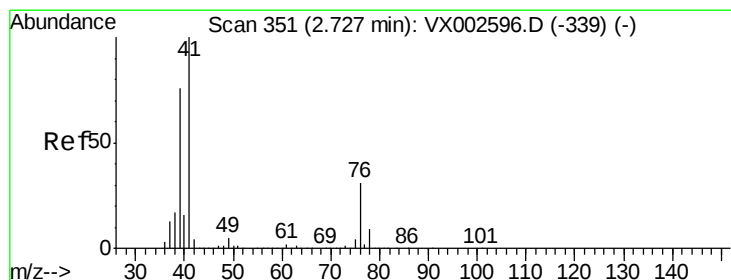
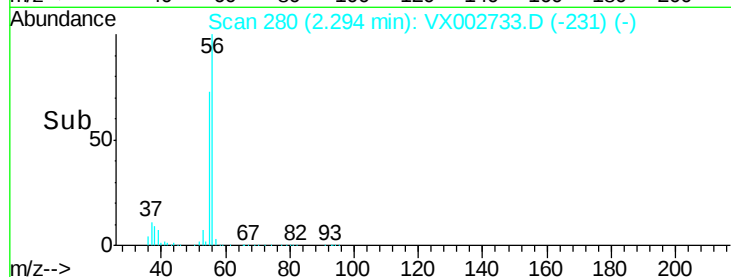
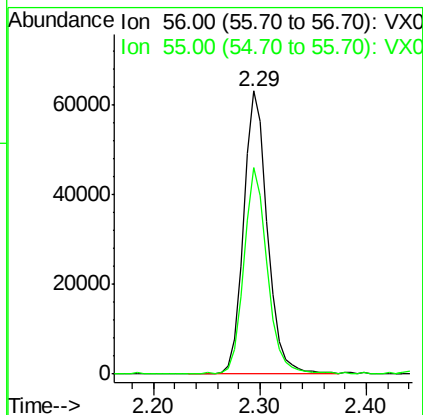
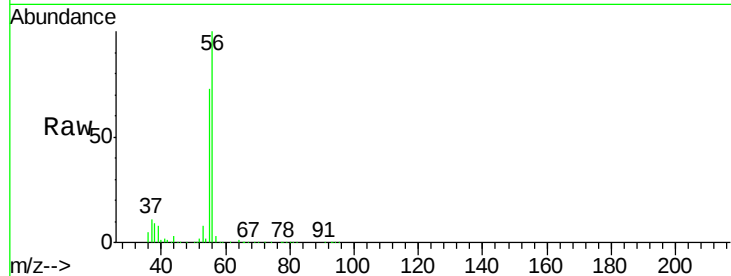
55 71.8 57.0 85.4

Manual Integrations

APPROVED

apatel

6/22/2018 8:07:41 AM



#14

Allyl chloride

Concen: 43.28 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

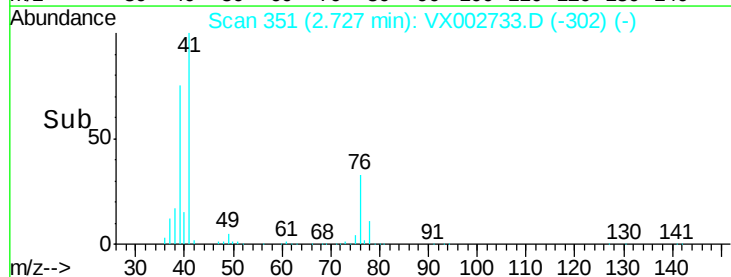
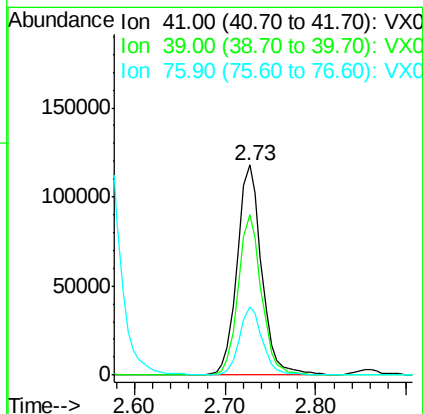
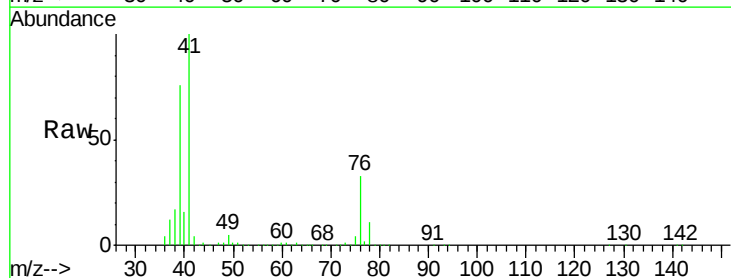
Tgt Ion: 41 Resp: 220266

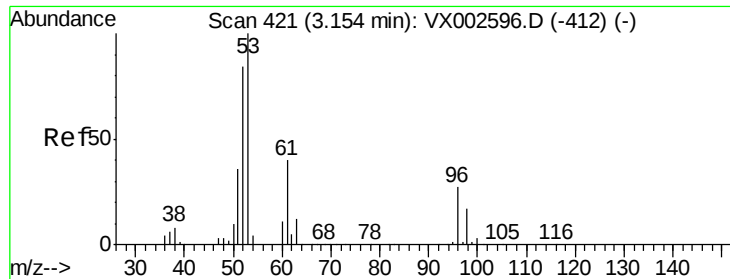
Ion Ratio Lower Upper

41 100

39 72.3 56.8 85.2

76 30.2 23.8 35.8





#15

Acrylonitrile

Concen: 209.03 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_X

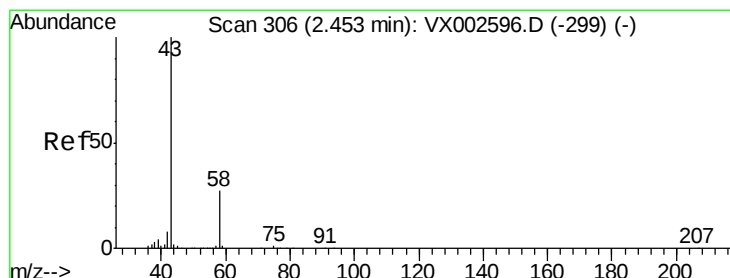
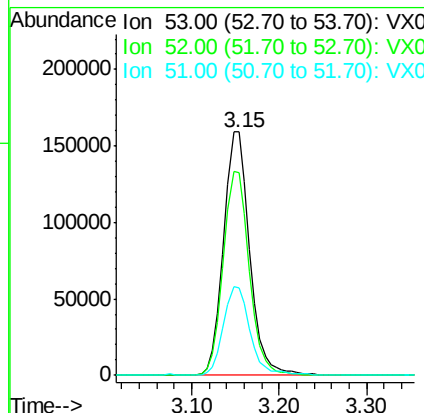
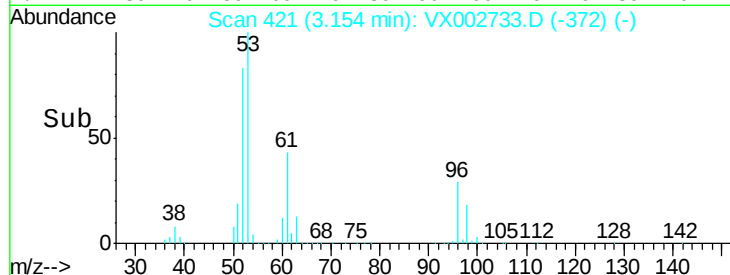
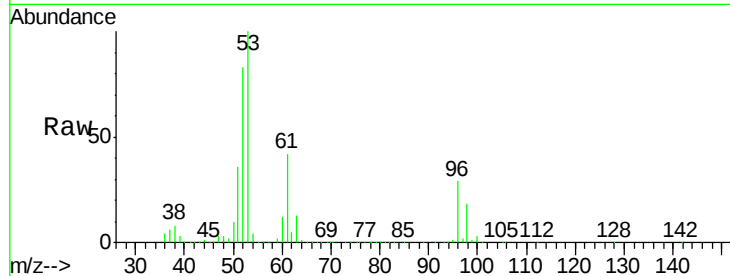
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	328717
Ion Ratio	Lower	Upper	
53	100		
52	83.9	66.7	100.1
51	37.4	29.9	44.9

Manual Integrations
APPROVED

apatel
6/22/2018 8:07:41 AM



#16

Acetone

Concen: 226.26 ug/l

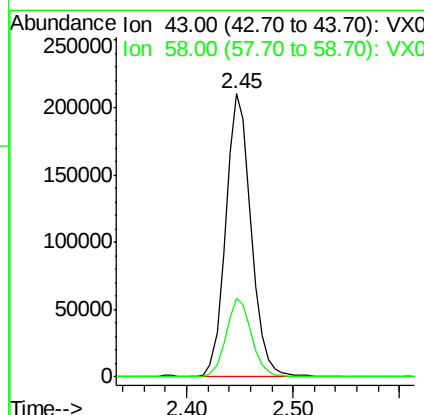
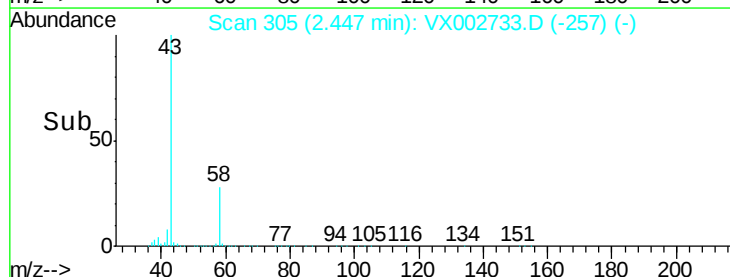
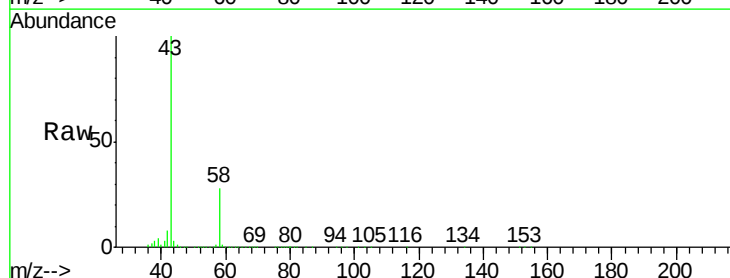
RT: 2.45 min Scan# 305

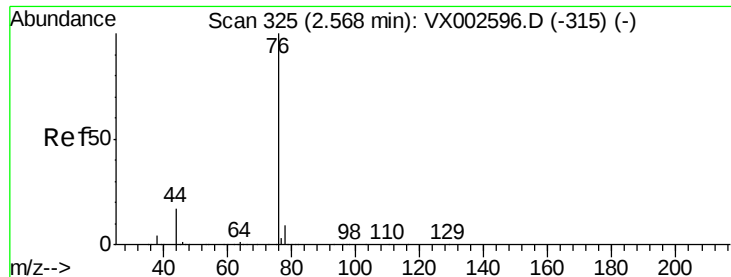
Delta R.T. -0.01 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Tgt Ion:	43	Resp:	347993
Ion Ratio	Lower	Upper	
43	100		
58	27.6	22.1	33.1





#17

Carbon Disulfide

Concen: 47.07 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 286187

Ion Ratio Lower Upper

76 100

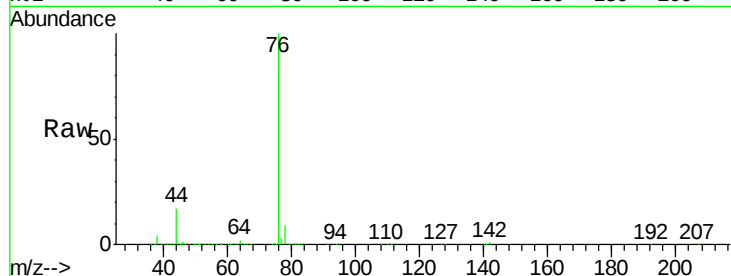
78 9.1 6.9 10.3

Manual Integrations

APPROVED

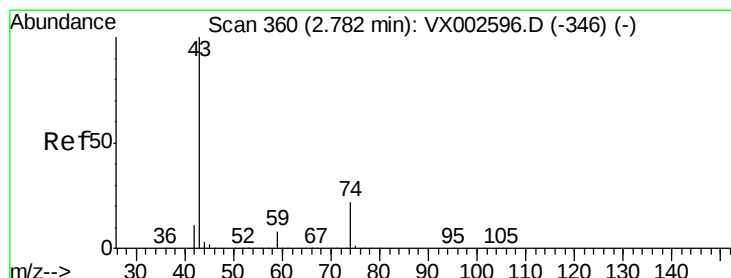
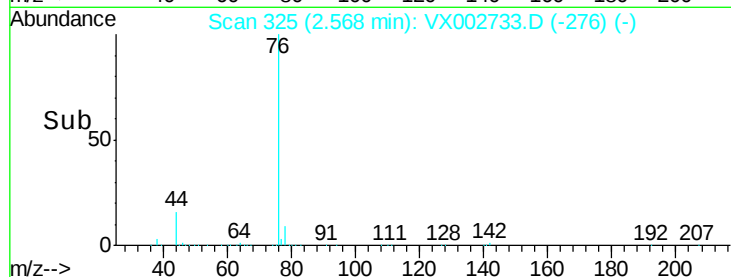
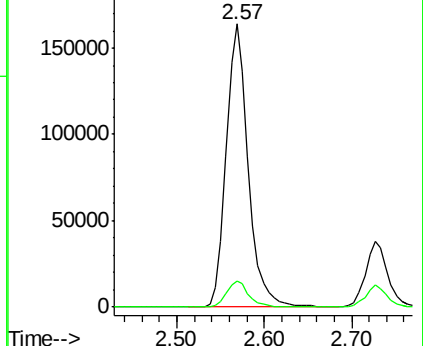
apatel

6/22/2018 8:07:41 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 43.55 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX002733.D

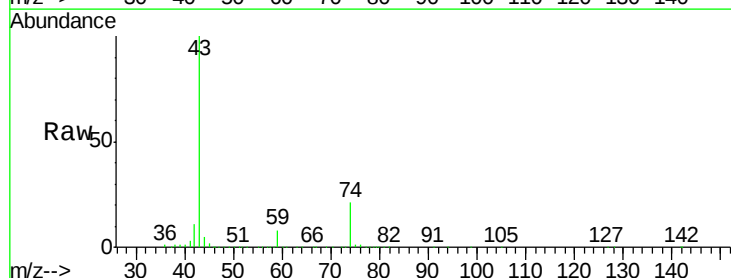
Acq: 20 Jun 2018 10:54

Tgt Ion: 43 Resp: 178451

Ion Ratio Lower Upper

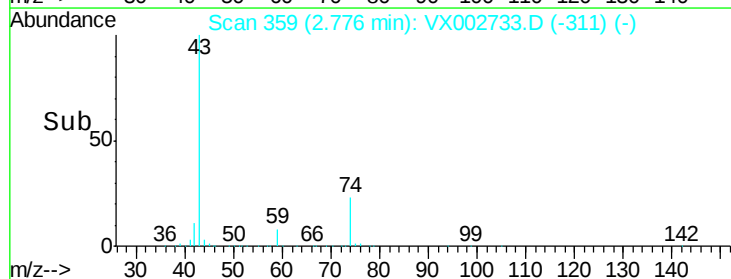
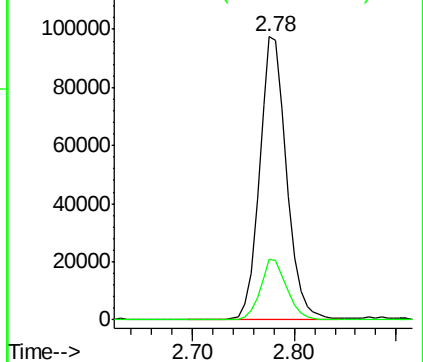
43 100

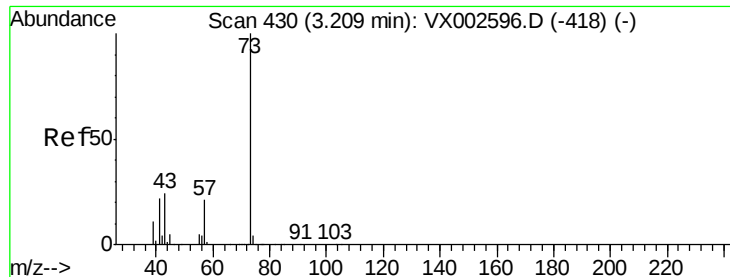
74 21.8 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

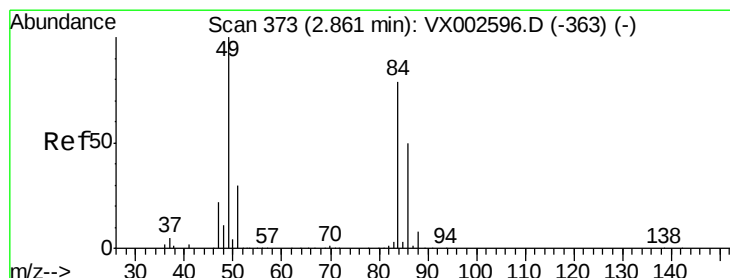
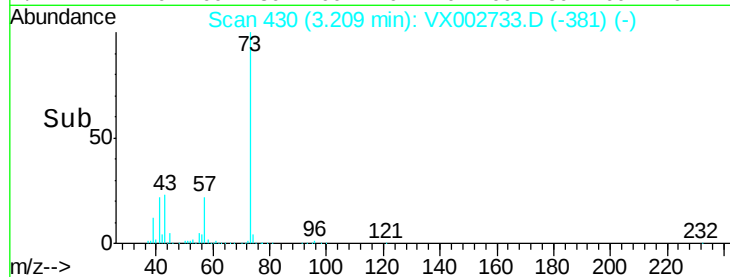
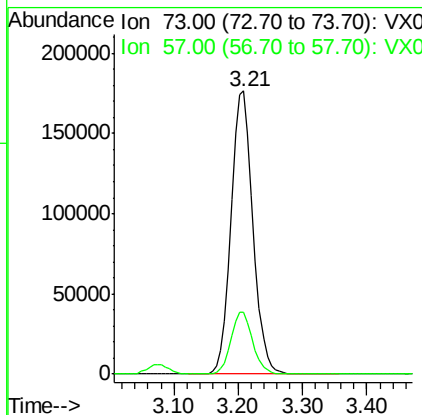
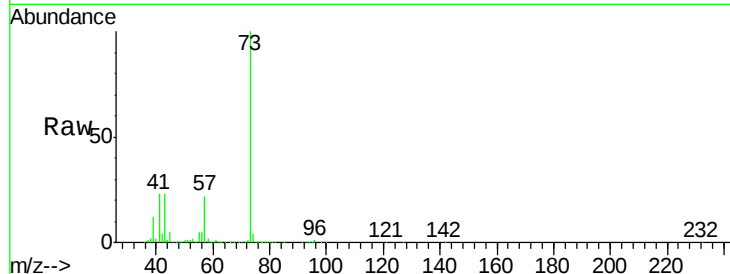
Methyl tert-butyl Ether
 Concen: 43.66 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX002733.D
 Acq: 20 Jun 2018 10:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.7	26.5

Manual Integrations
 APPROVED

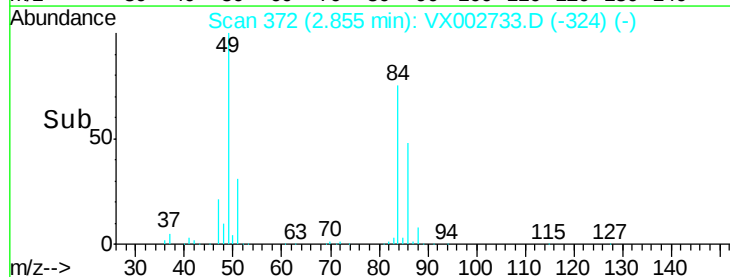
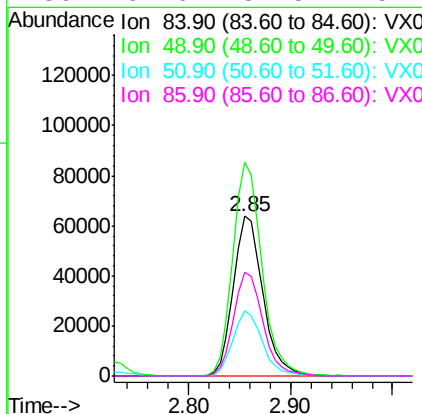
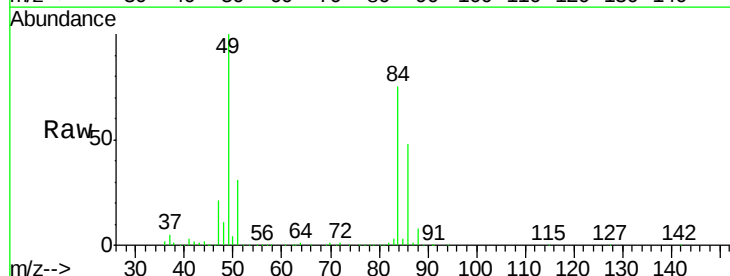
apatel
 6/22/2018 8:07:41 AM

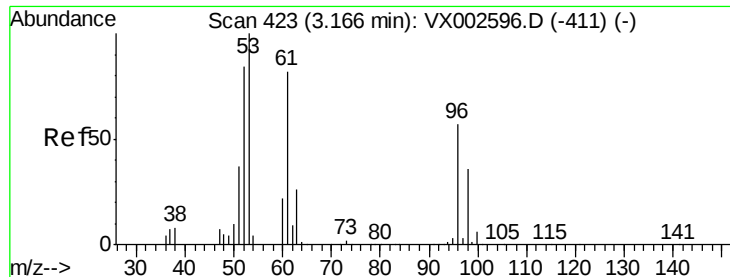


#20

Methylene Chloride
 Concen: 40.47 ug/l
 RT: 2.85 min Scan# 372
 Delta R.T. -0.01 min
 Lab File: VX002733.D
 Acq: 20 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.8	107.8	161.6
51	40.9	32.8	49.2
86	64.6	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 42.69 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_X

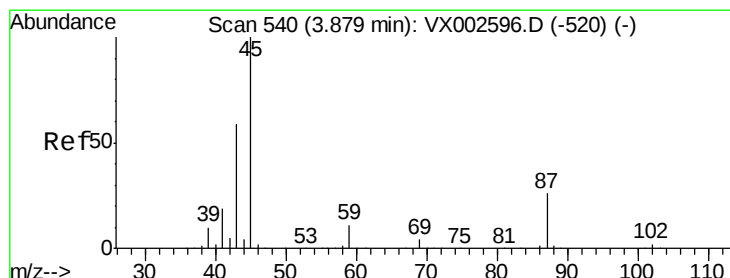
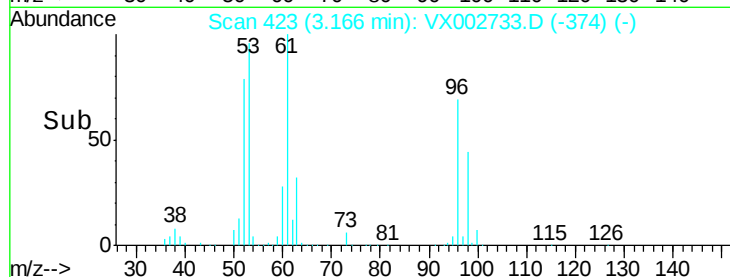
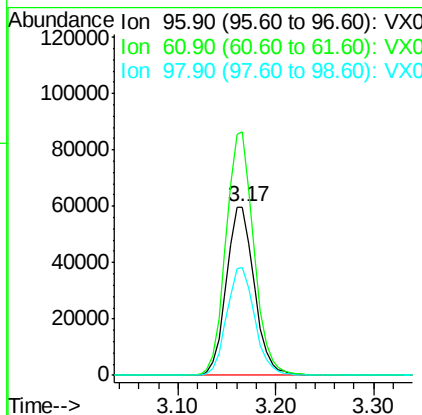
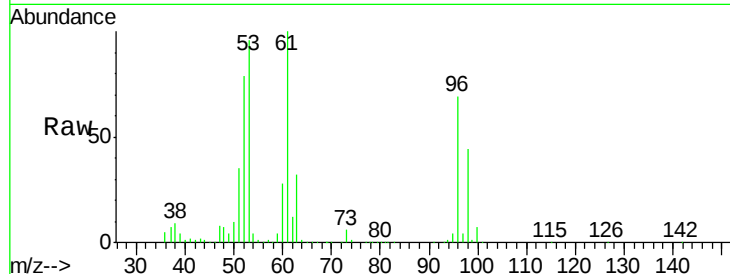
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	118719
Ion	Ratio	Lower	Upper
96	100		
61	144.8	117.0	175.4
98	63.7	52.4	78.6

Manual Integrations
APPROVED

apatel
6/22/2018 8:07:41 AM



#22

Diisopropyl ether

Concen: 47.34 ug/l

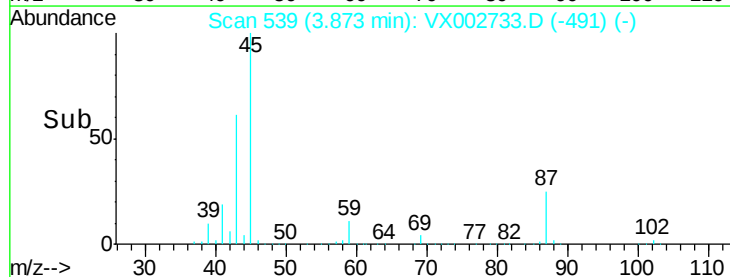
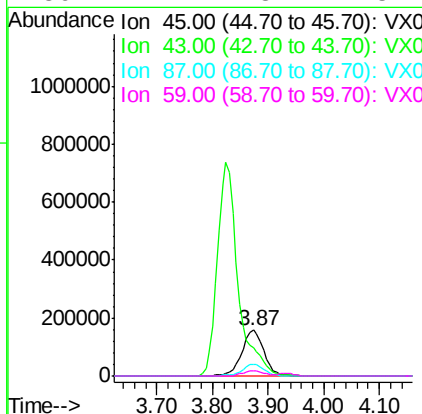
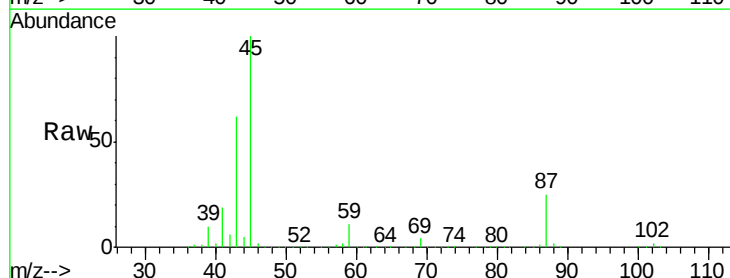
RT: 3.87 min Scan# 539

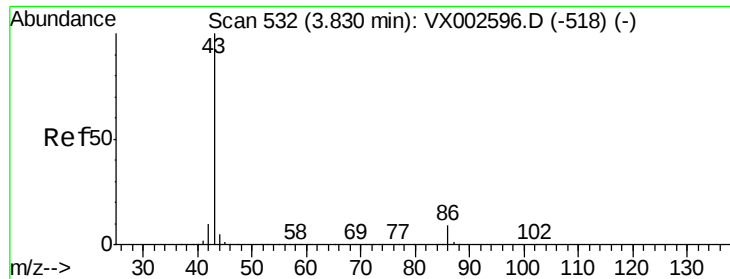
Delta R.T. -0.01 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Tgt Ion:	45	Resp:	435910
Ion	Ratio	Lower	Upper
45	100		
43	61.4	46.8	70.2
87	25.4	20.2	30.4
59	11.2	8.7	13.1





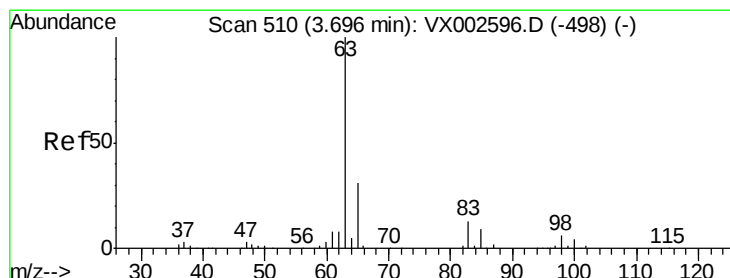
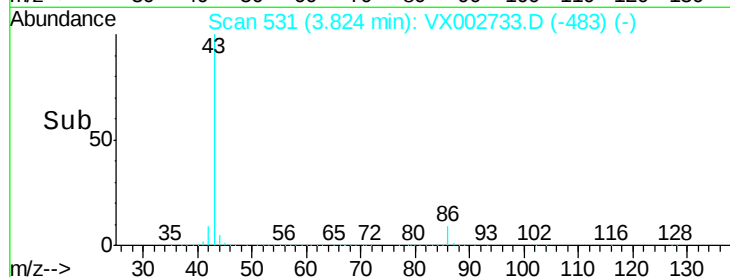
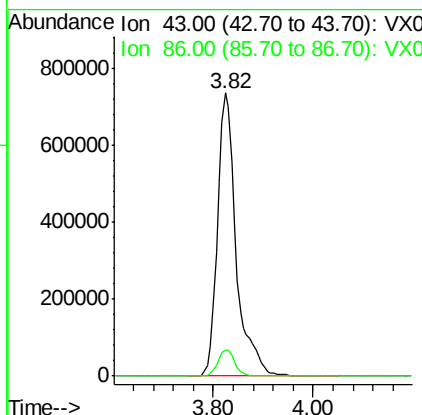
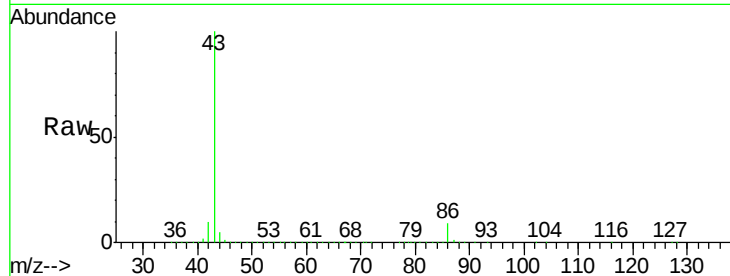
#23
 Vinyl Acetate
 Concen: 247.50 ug/l
 RT: 3.82 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VX002733.D
 Acq: 20 Jun 2018 10:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1907435
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.4 11.0

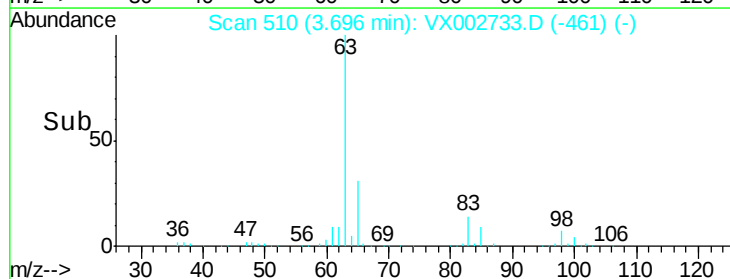
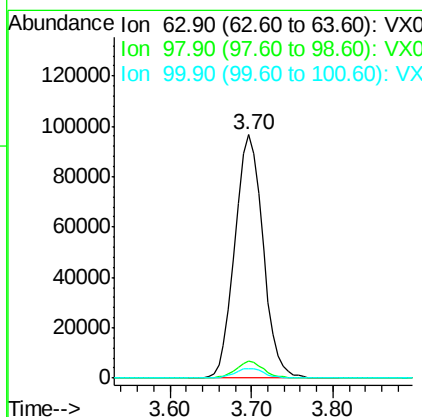
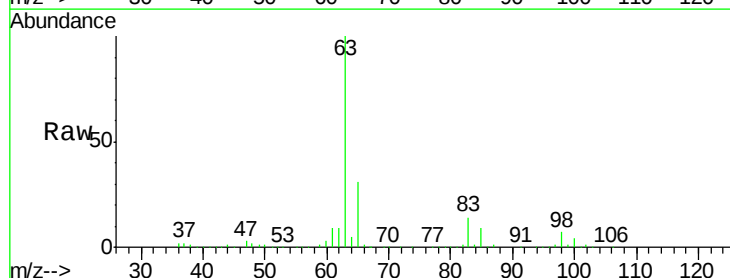
Manual Integrations
 APPROVED

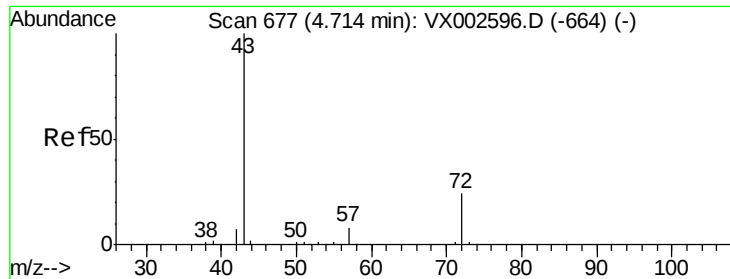
apatel
 6/22/2018 8:07:41 AM



#24
 1,1-Dichloroethane
 Concen: 46.23 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VX002733.D
 Acq: 20 Jun 2018 10:54

Tgt Ion: 63 Resp: 231017
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.4 10.2
 100 3.9 2.0 6.0





#25

2-Butanone

Concen: 227.44 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 459385

Ion Ratio Lower Upper

43 100

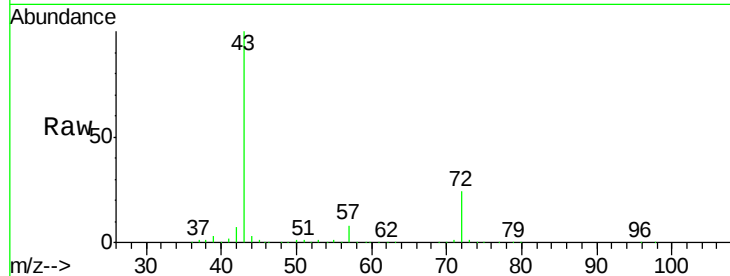
72 23.9 18.5 27.7

Manual Integrations

APPROVED

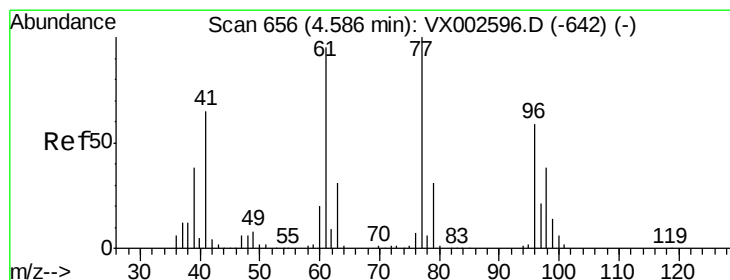
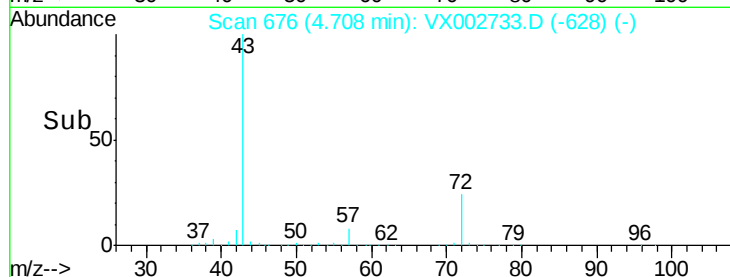
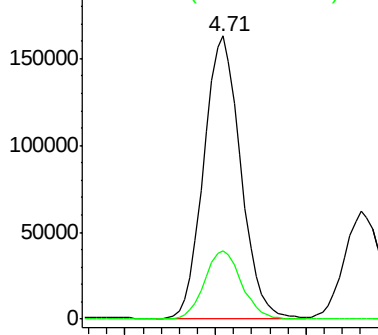
apatel

6/22/2018 8:07:41 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 47.72 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX002733.D

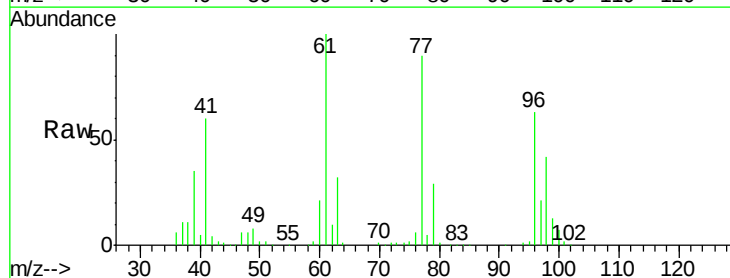
Acq: 20 Jun 2018 10:54

Tgt Ion: 77 Resp: 171371

Ion Ratio Lower Upper

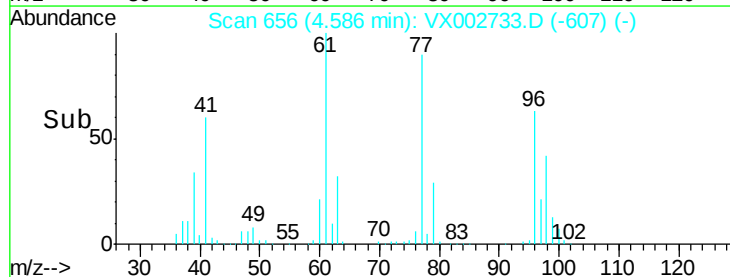
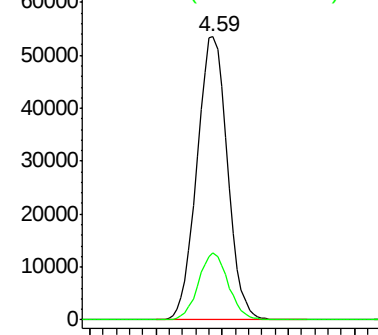
77 100

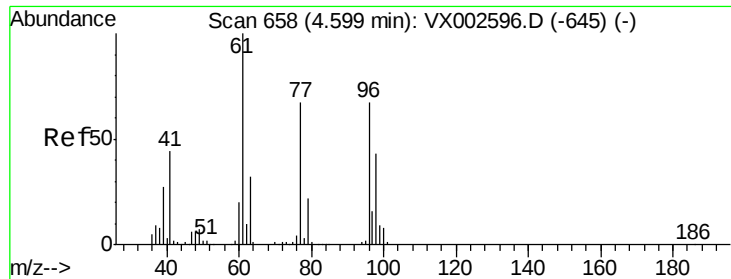
97 23.1 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

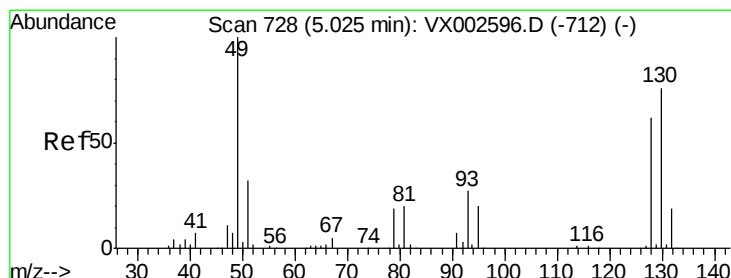
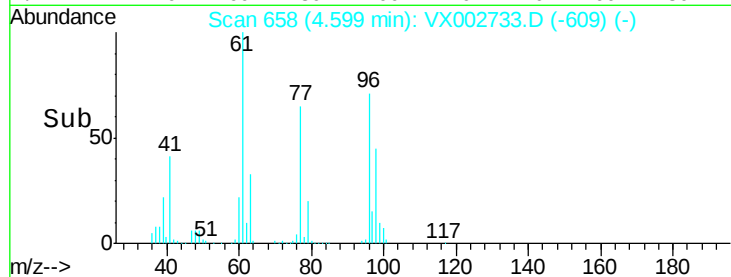
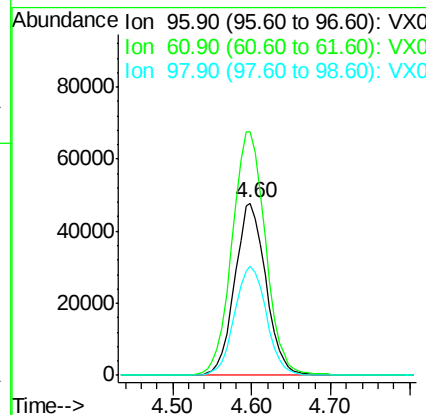
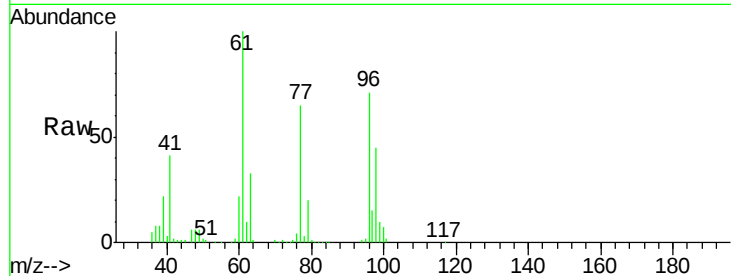
cis-1,2-Dichloroethene
Concen: 46.32 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	152.4	0.0	330.2	
98	64.9	0.0	130.2	

Manual Integrations
APPROVED

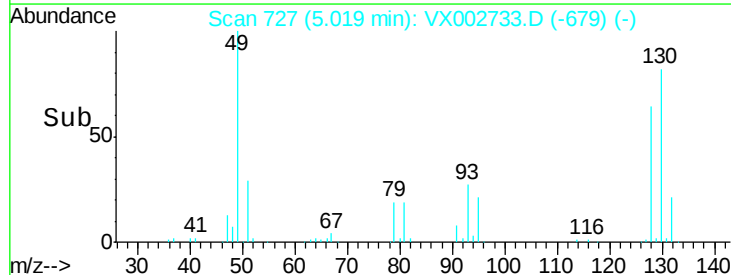
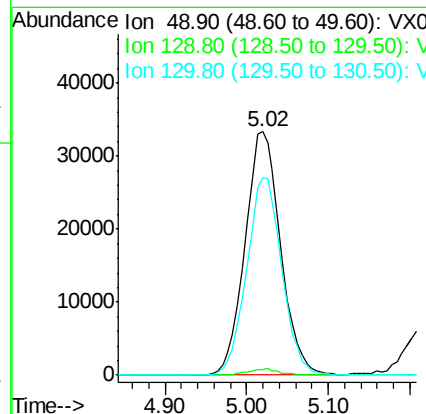
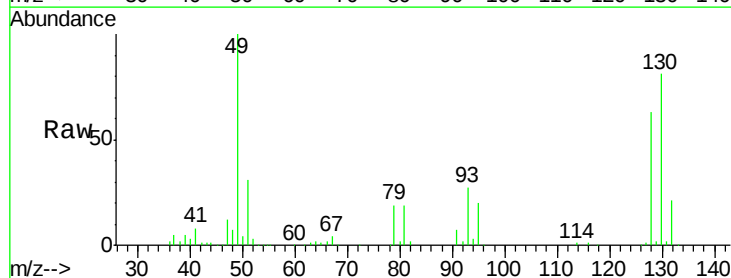
apatel
6/22/2018 8:07:41 AM

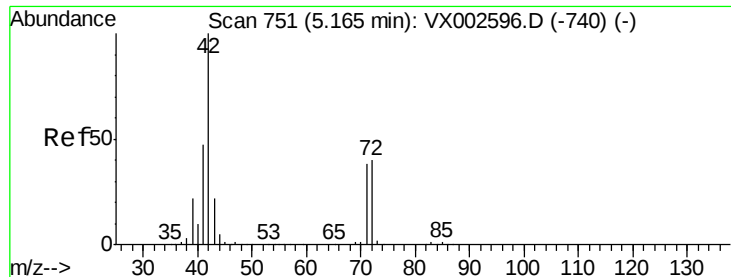


#28

Bromochloromethane
Concen: 43.15 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.2	
130	80.4	61.2	91.8	





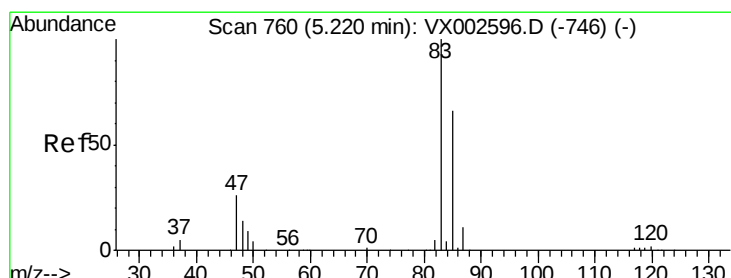
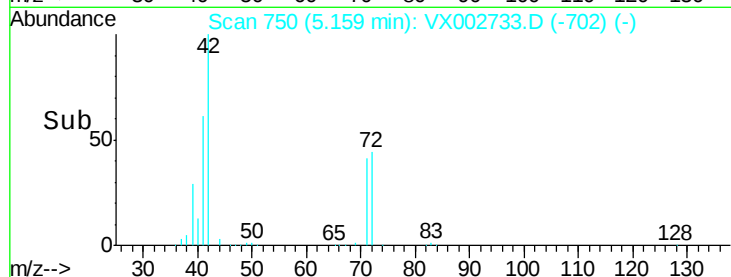
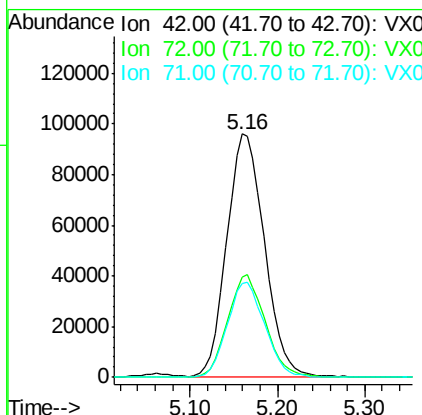
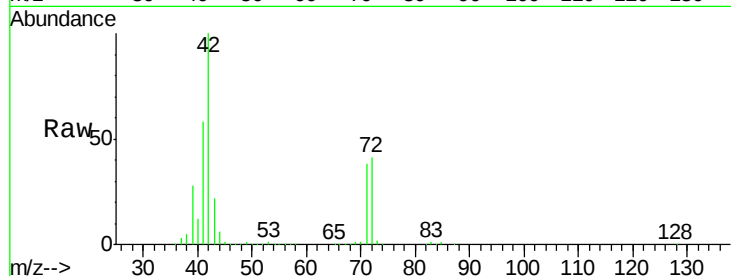
#29
Tetrahydrofuran
Concen: 216.79 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	32.0	48.0
71	38.9	30.1	45.1

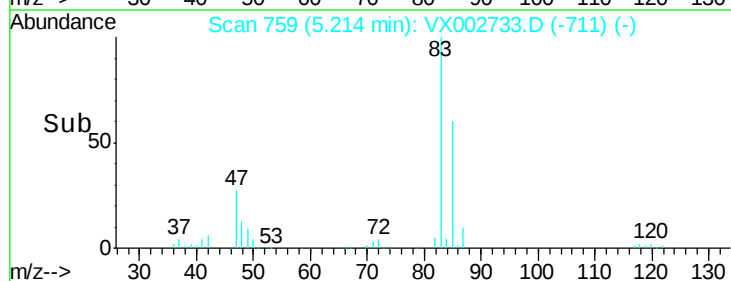
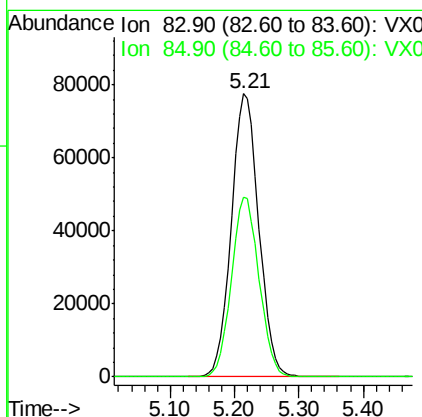
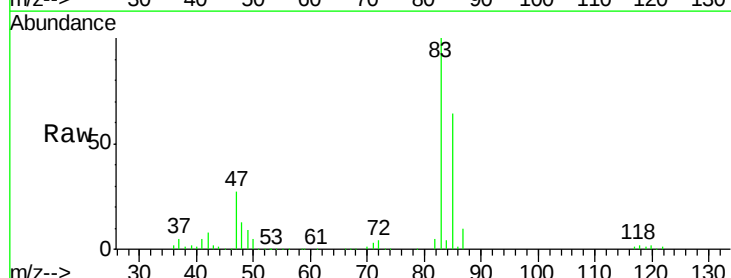
Manual Integrations
APPROVED

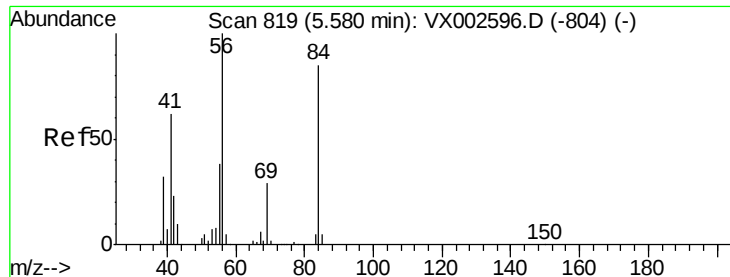
apatel
6/22/2018 8:07:41 AM



#30
Chloroform
Concen: 47.84 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.4	75.6





#31

Cyclohexane

Concen: 45.43 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_X

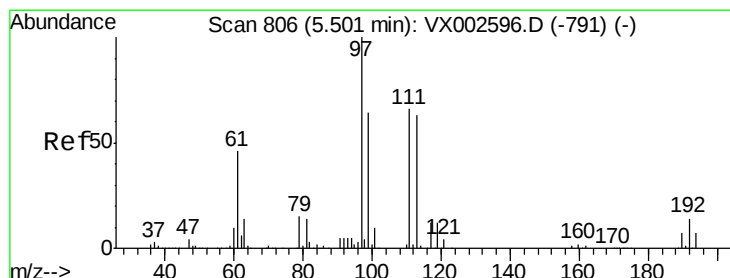
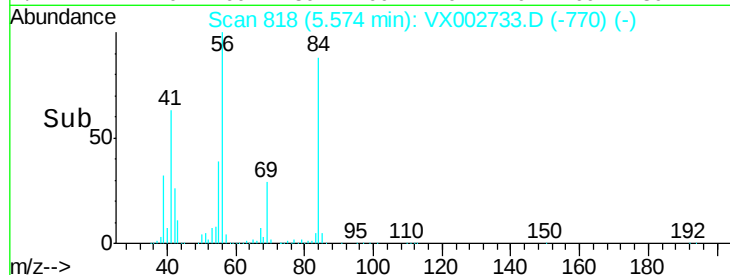
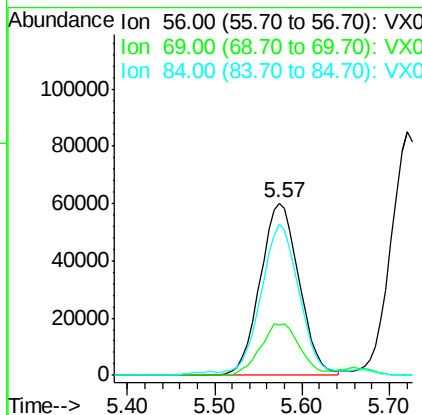
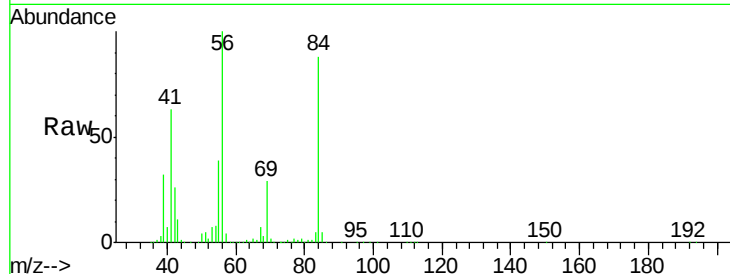
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	186938
Ion	Ratio	Lower	Upper
56	100		
69	28.9	23.7	35.5
84	86.8	64.1	96.1

Manual Integrations
APPROVED

apatel
6/22/2018 8:07:41 AM



#32

1,1,1-Trichloroethane

Concen: 48.36 ug/l

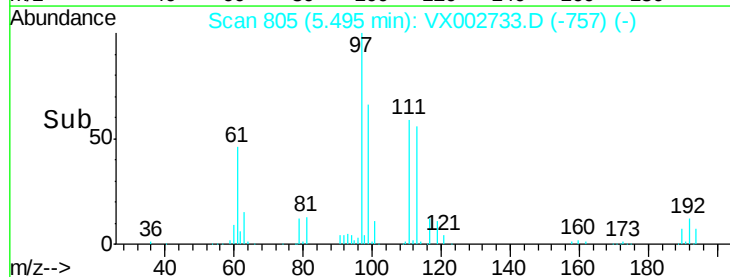
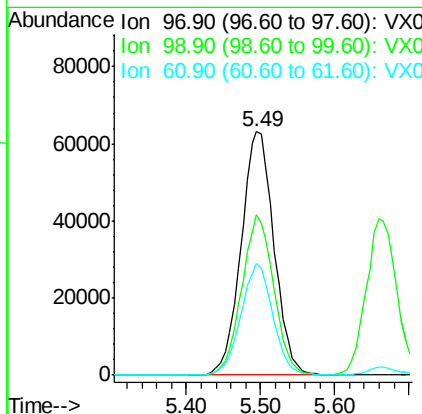
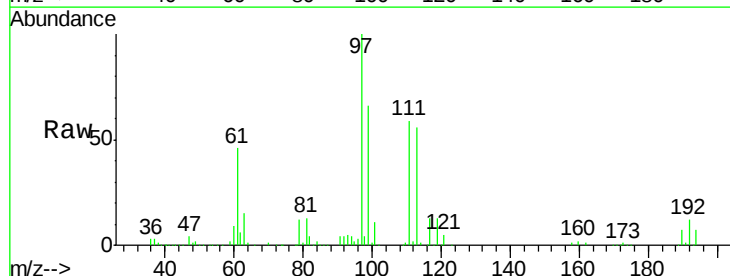
RT: 5.49 min Scan# 805

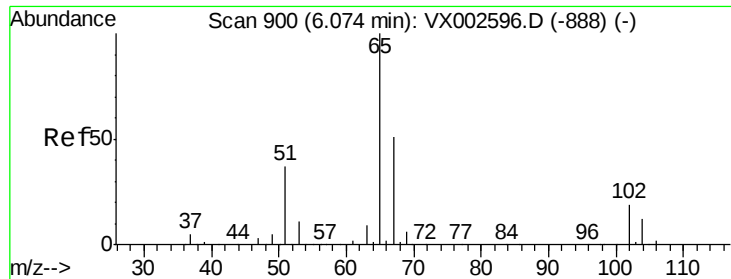
Delta R.T. -0.01 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Tgt Ion:	97	Resp:	194905
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	44.7	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 42.20 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Tot Ion: 65 Resp: 147096

Ion Ratio Lower Upper

65 100

67 51.3 0.0 102.6

Instrument :

MSVOA_X

ClientSampleId :

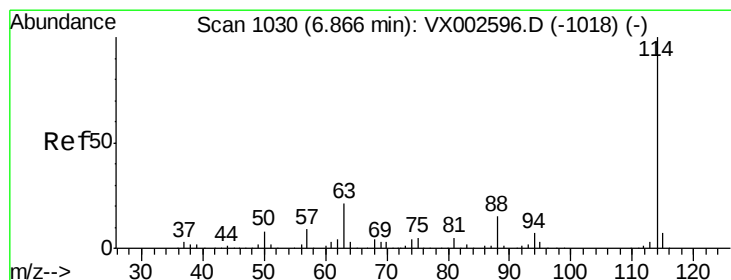
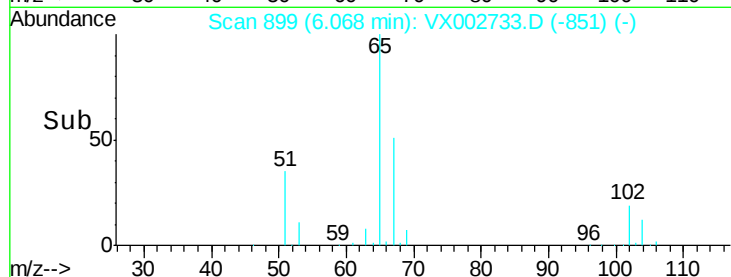
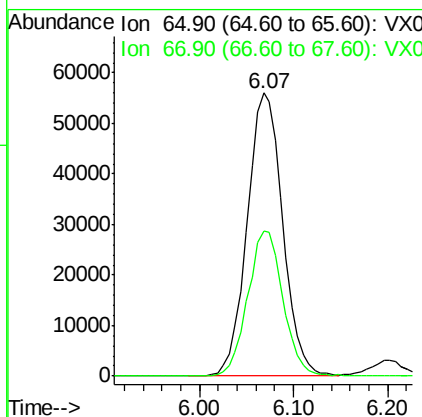
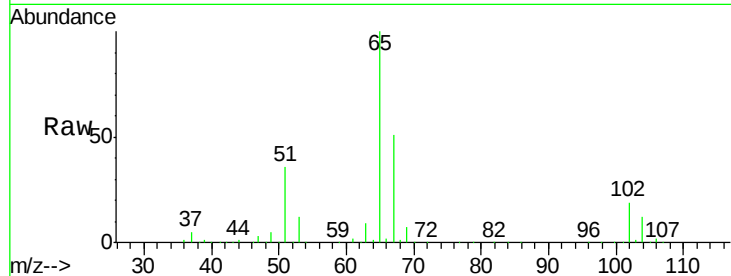
VSTDCCC050

Manual Integrations

APPROVED

apatel

6/22/2018 8:07:41 AM



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

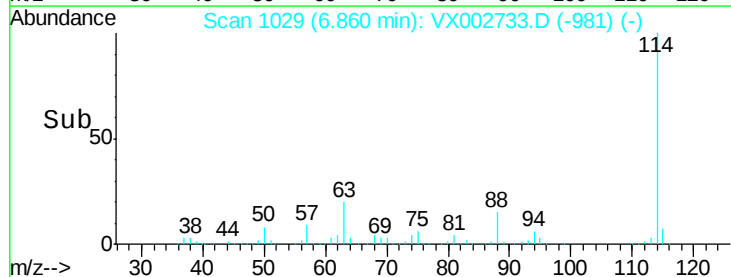
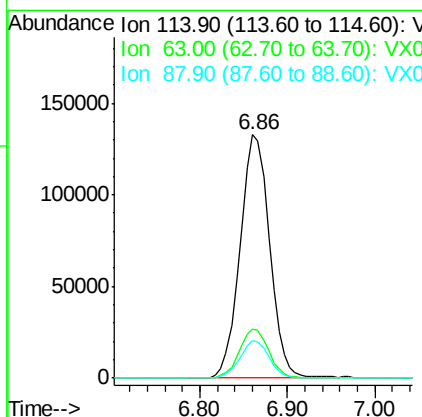
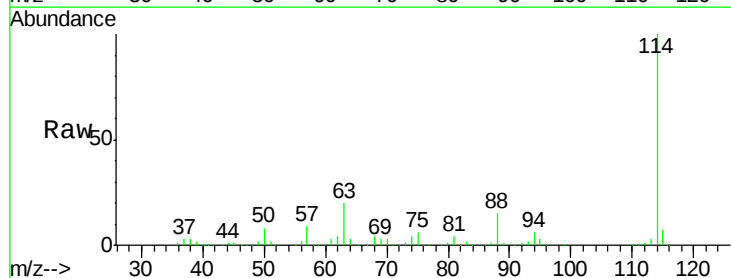
Tgt Ion: 114 Resp: 313361

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.4

88 15.2 0.0 30.0





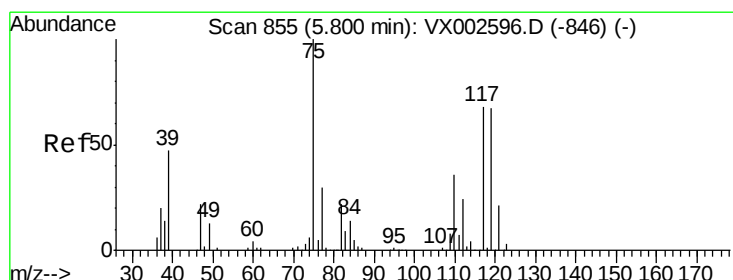
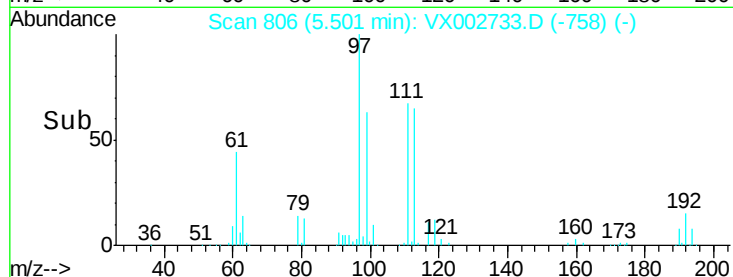
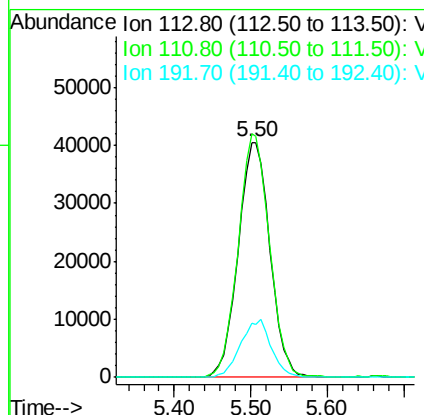
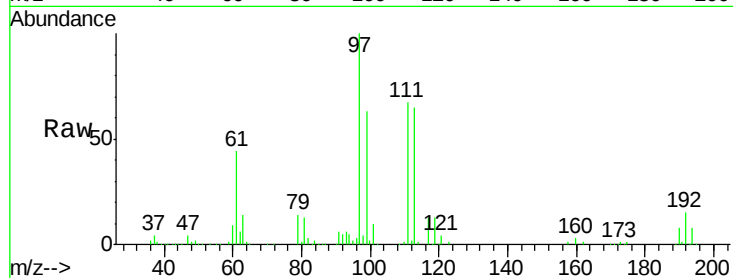
#35
Dibromofluoromethane
Concen: 46.60 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	116550		
111	102.1	81.4	122.0	
192	23.7	19.1	28.7	

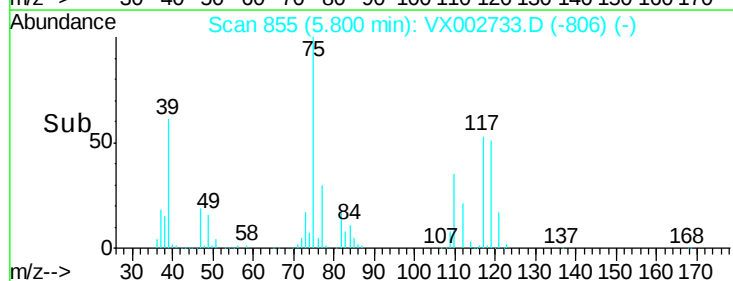
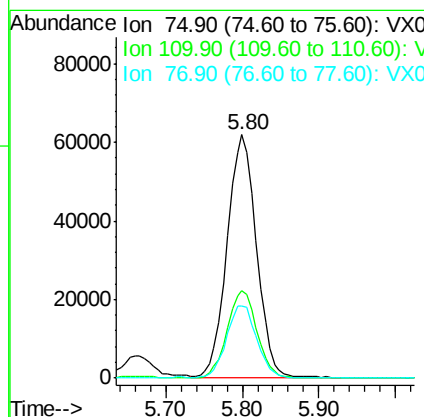
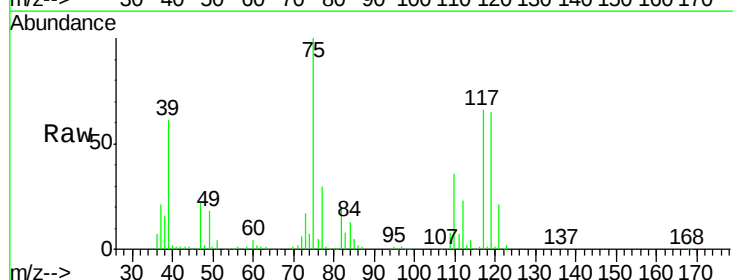
Manual Integrations
APPROVED

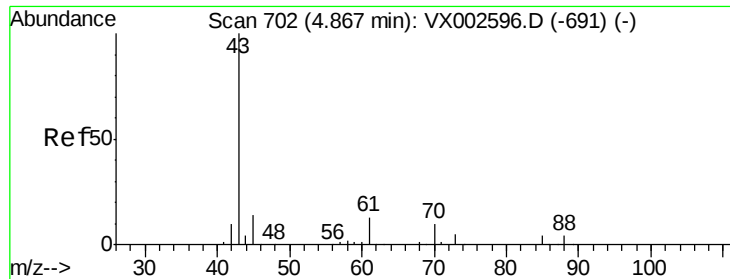
apatel
6/22/2018 8:07:41 AM



#36
1,1-Dichloropropene
Concen: 49.18 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.00 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	163673		
110	36.7	18.1	54.4	
77	30.6	24.3	36.5	





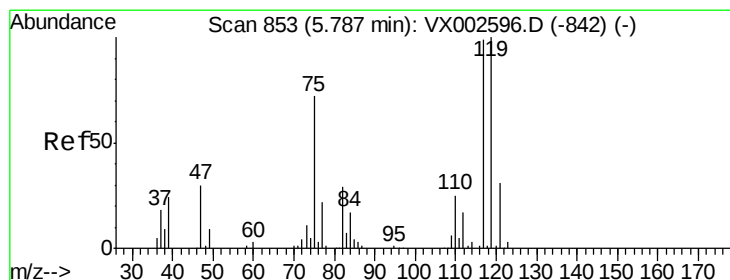
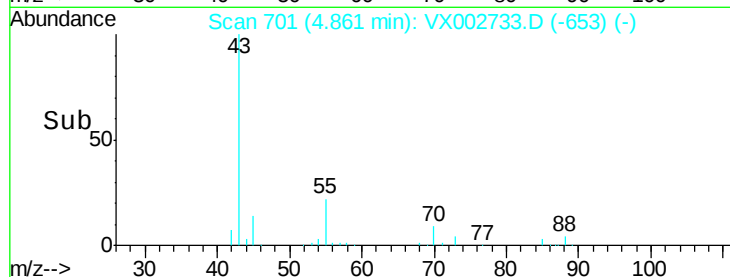
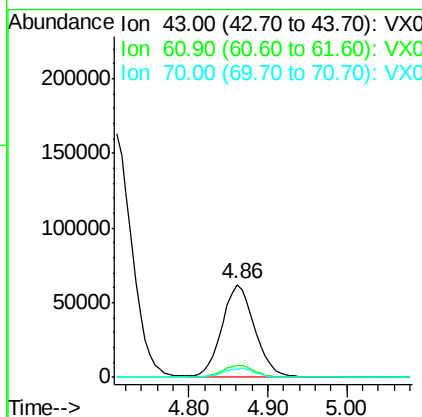
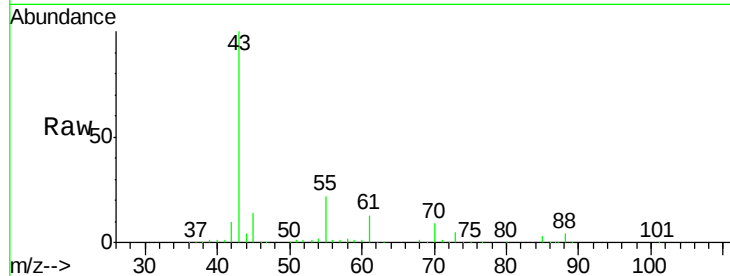
#37
Ethyl Acetate
Concen: 47.31 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.4	15.6
70	9.8	7.6	11.4

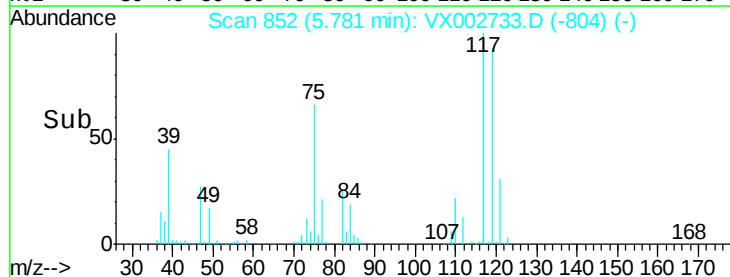
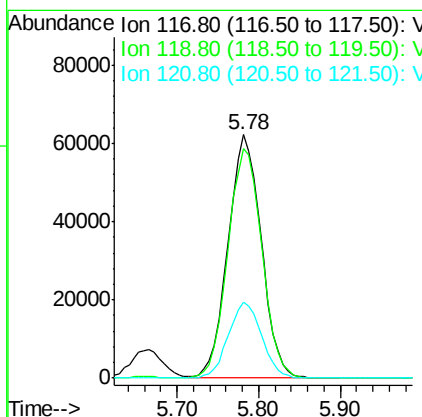
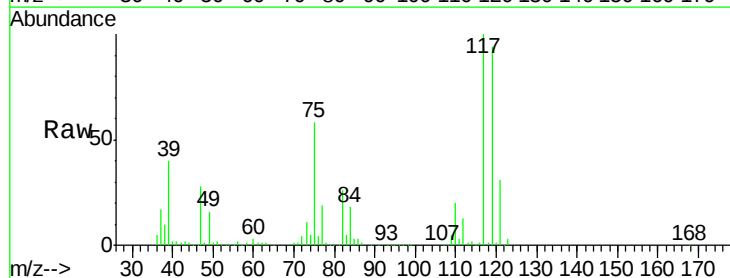
Manual Integrations
APPROVED

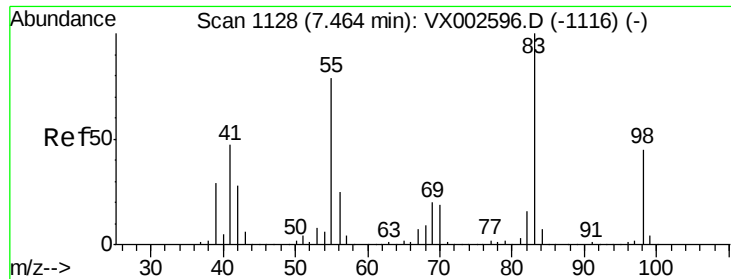
apatel
6/22/2018 8:07:41 AM



#38
Carbon Tetrachloride
Concen: 53.01 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	77.4	116.0
121	31.3	24.4	36.6





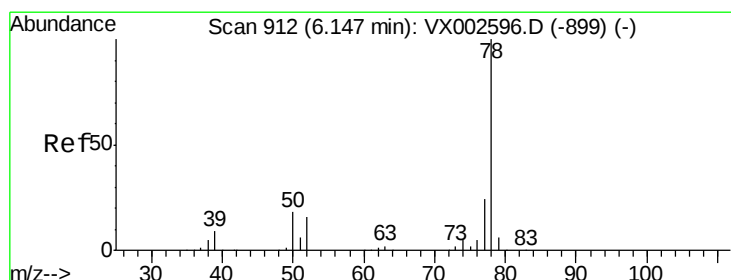
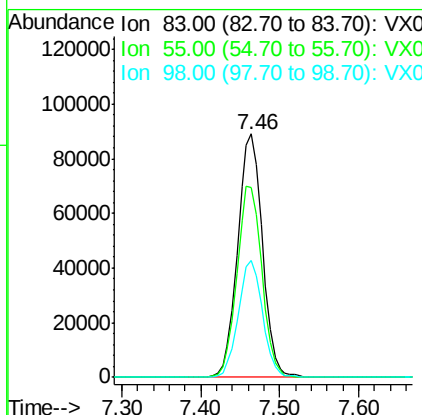
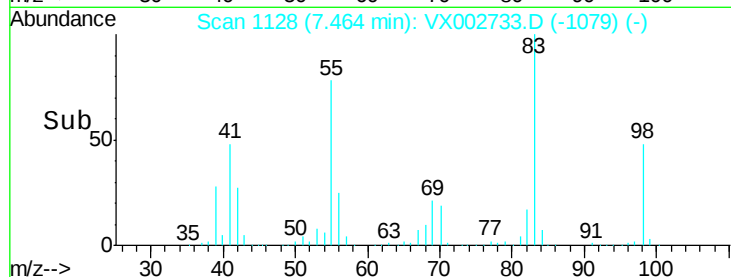
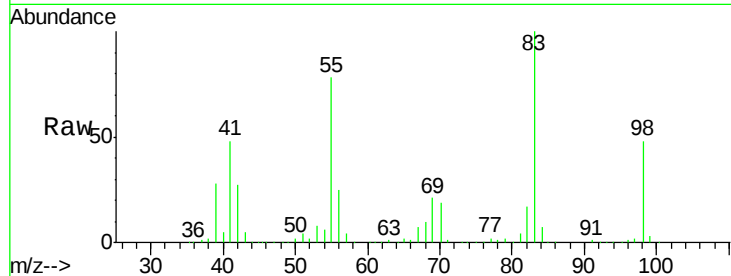
#39
Methvlcvclohexane
Concen: 49.97 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	194402		
55	77.9	65.4	98.0	
98	48.1	37.4	56.0	

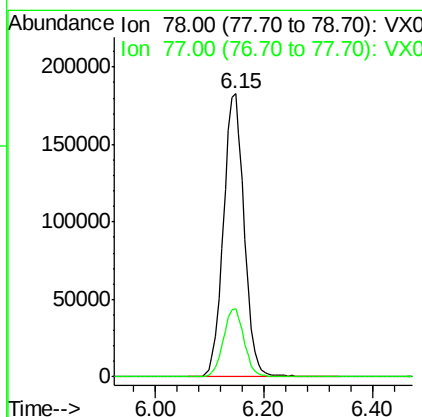
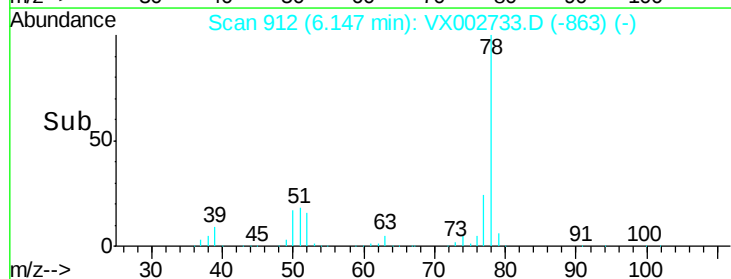
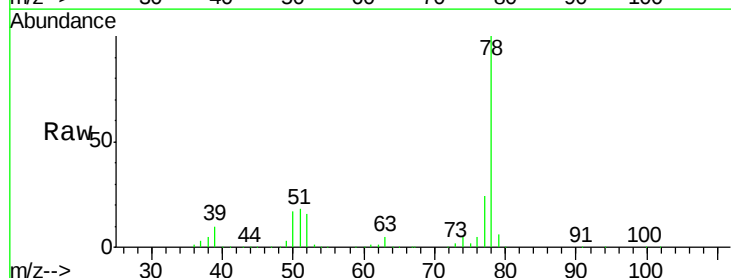
Manual Integrations
APPROVED

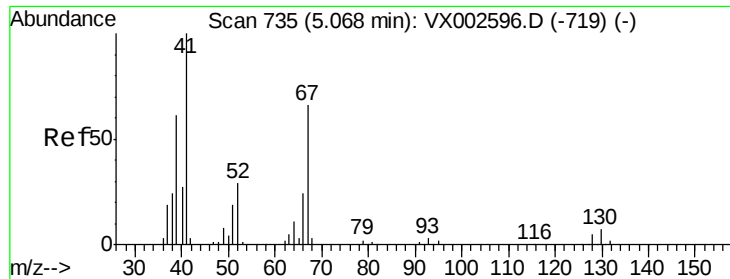
apatel
6/22/2018 8:07:41 AM



#40
Benzene
Concen: 48.65 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	485526		
77	24.2	19.1	28.7	





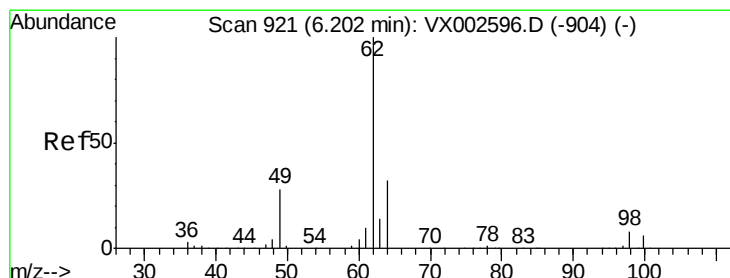
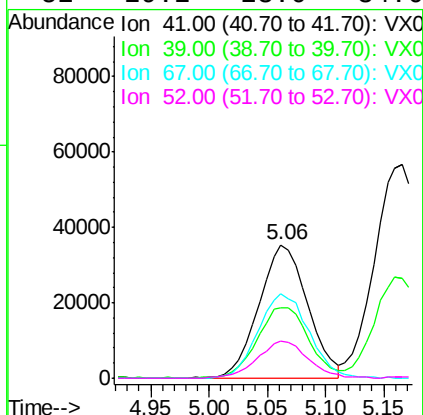
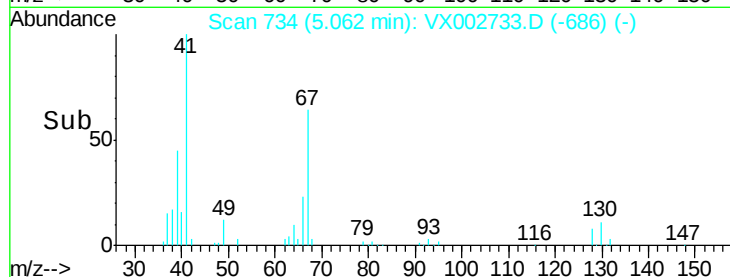
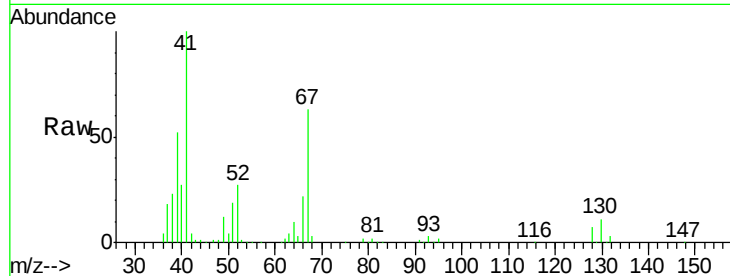
#41
Methacrylonitrile
Concen: 48.34 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.4	45.8	68.6	
67	66.2	51.3	76.9	
52	29.2	23.0	34.6	

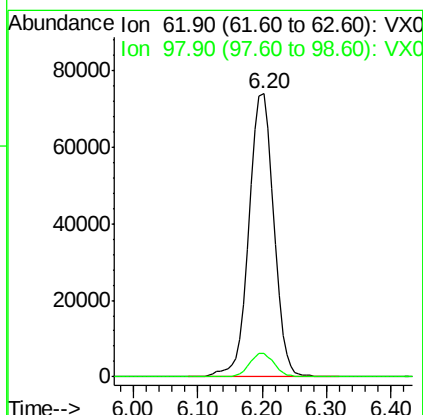
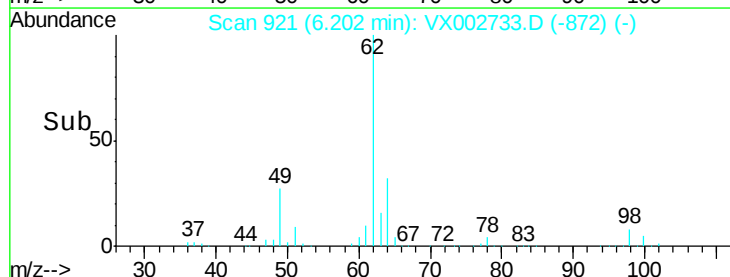
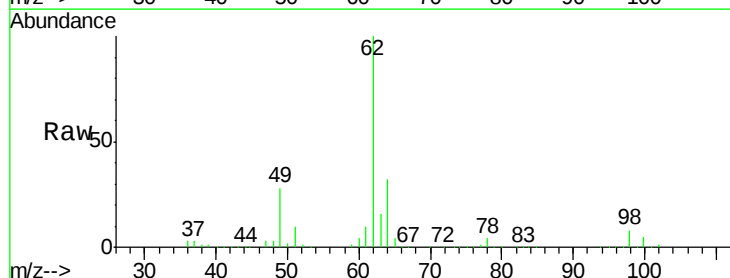
Manual Integrations
APPROVED

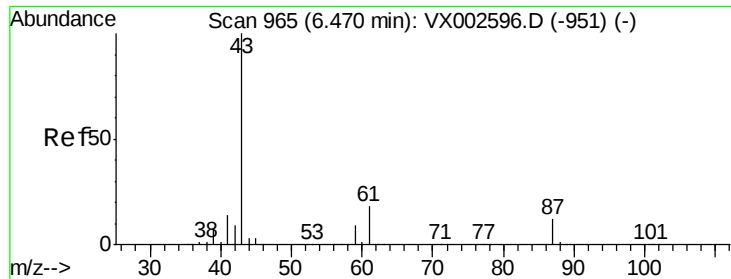
apatel
6/22/2018 8:07:41 AM



#42
1,2-Dichloroethane
Concen: 50.36 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	16.6	





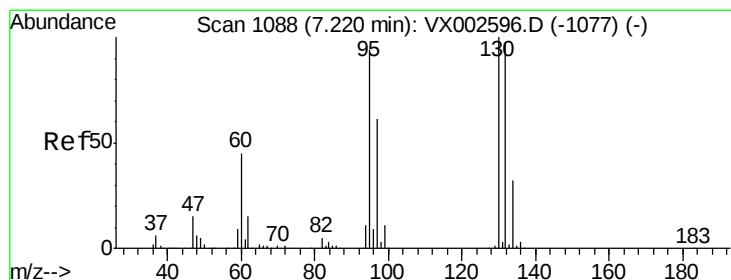
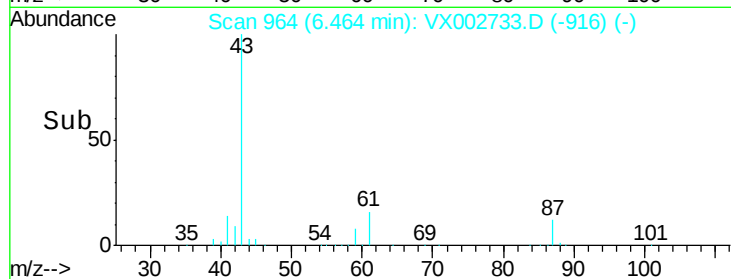
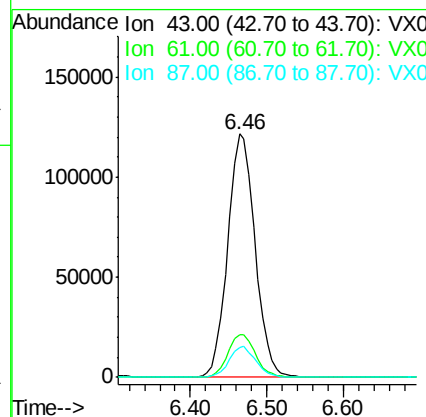
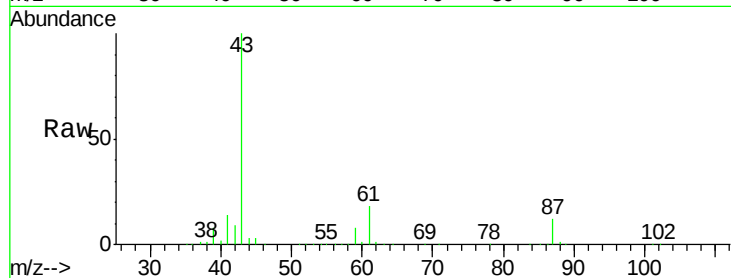
#43
Isopropyl Acetate
Concen: 48.03 ug/l
RT: 6.46 min Scan# 964
Delta R.T. -0.01 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.4	21.6
87	12.4	9.5	14.3

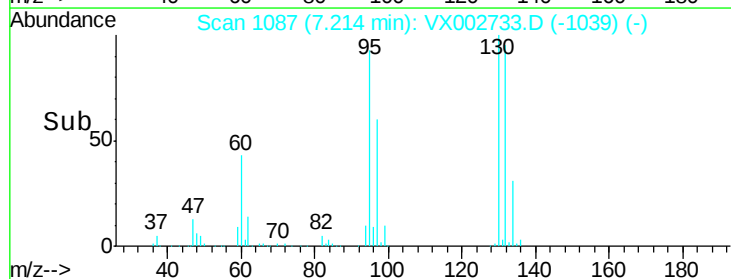
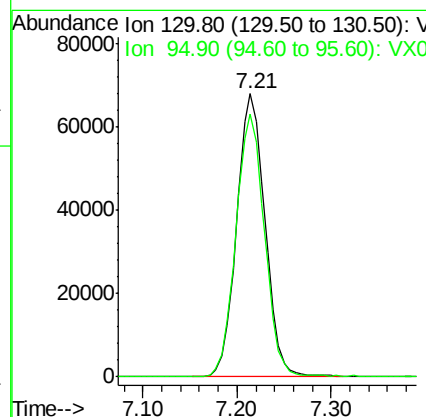
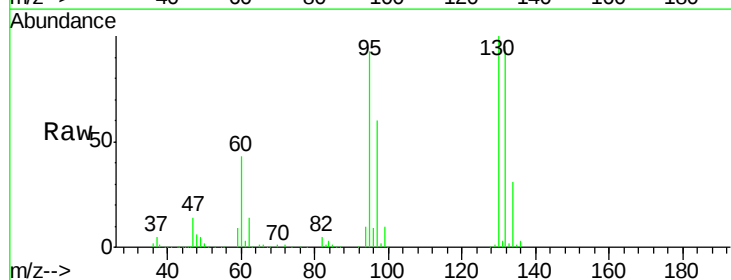
Manual Integrations
APPROVED

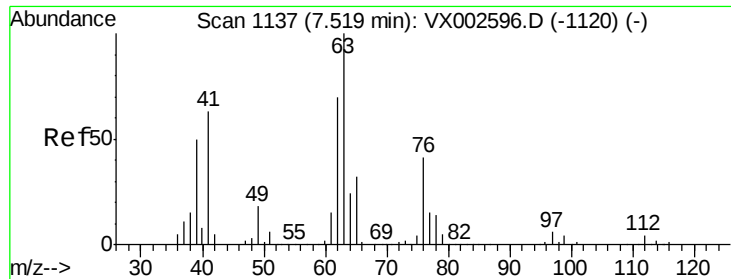
apatel
6/22/2018 8:07:41 AM



#44
Trichloroethene
Concen: 49.49 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. -0.01 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	185.4





#45

1,2-Dichloropropane

Concen: 49.51 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 130029

Ion Ratio Lower Upper

63 100

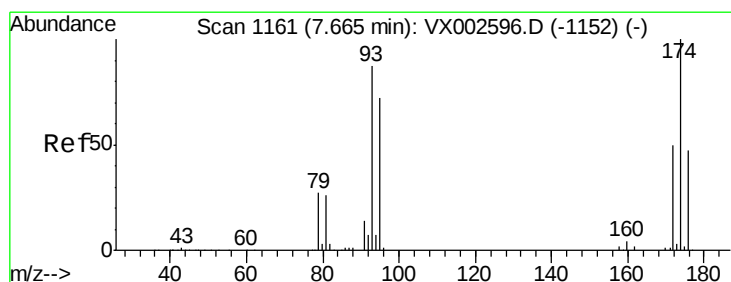
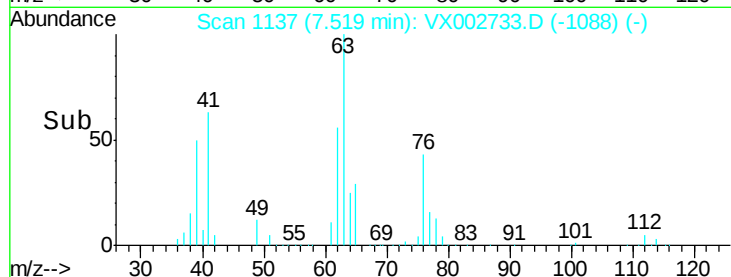
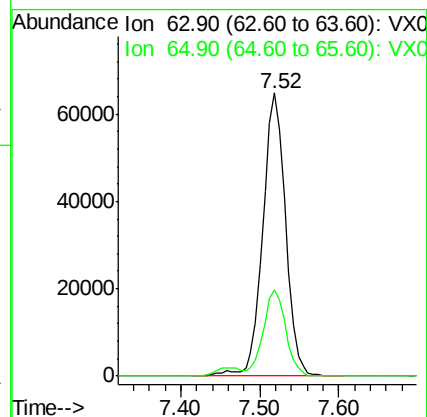
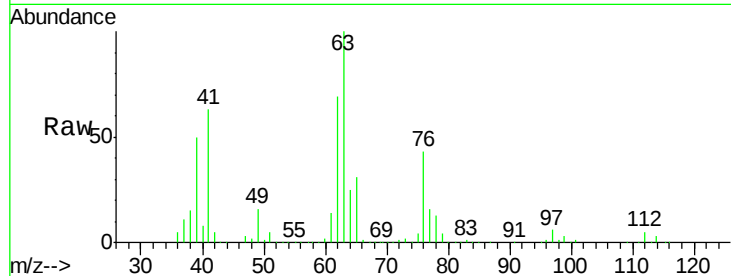
65 30.7 24.7 37.1

Manual Integrations

APPROVED

apatel

6/22/2018 8:07:41 AM



#46

Dibromomethane

Concen: 51.61 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

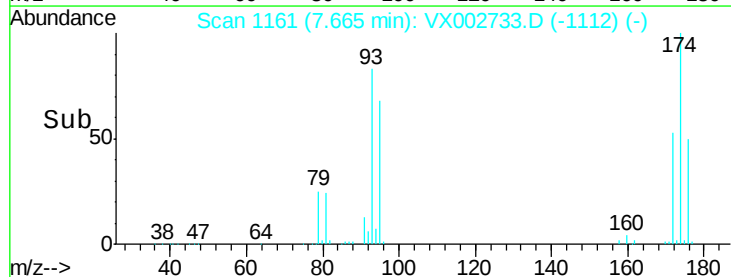
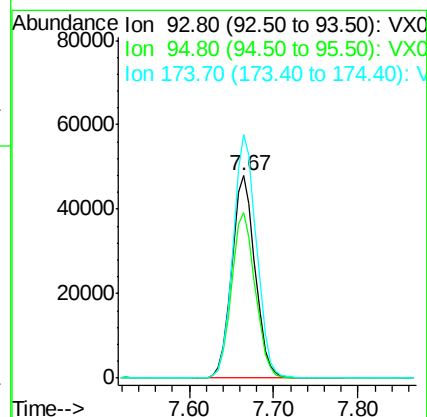
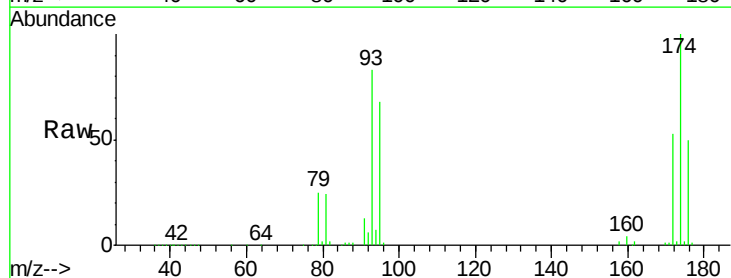
Tgt Ion: 93 Resp: 90665

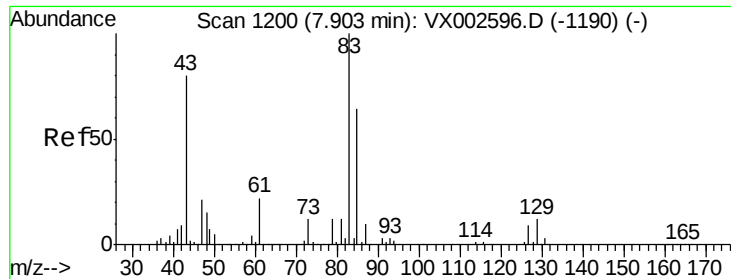
Ion Ratio Lower Upper

93 100

95 83.0 65.9 98.9

174 119.9 92.4 138.6





#47

Bromodichloromethane

Concen: 54.52 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_X

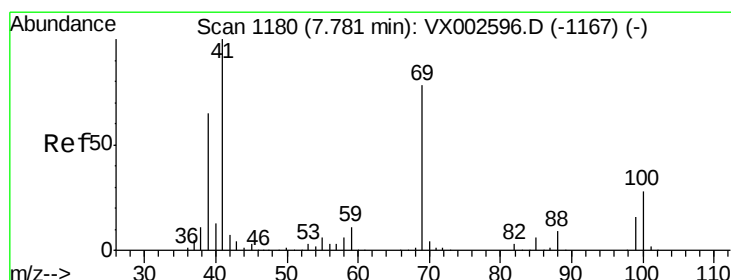
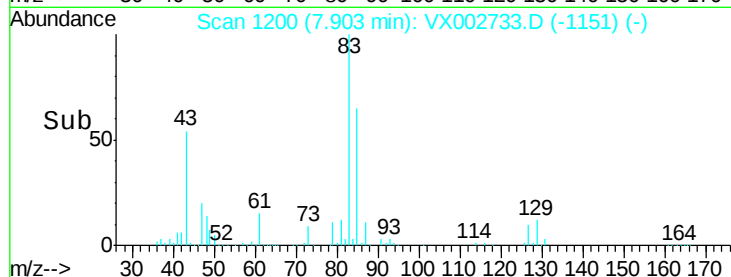
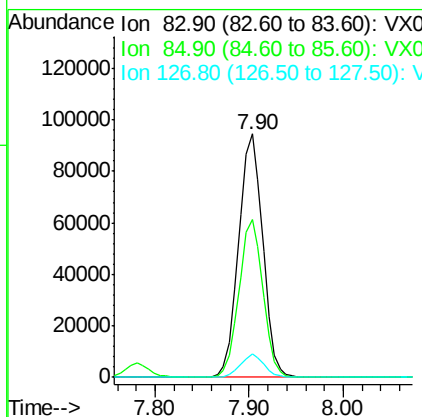
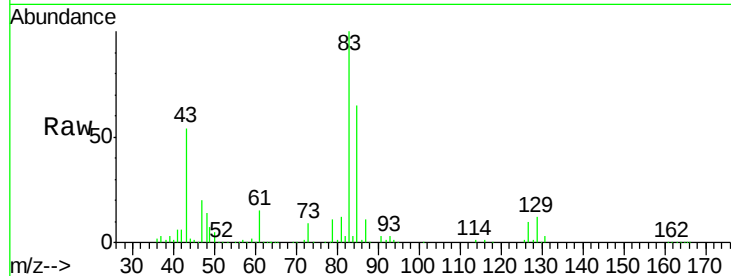
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	168940
Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.3	75.5
127	9.8	7.0	10.4

Manual Integrations
APPROVED

apatel
6/22/2018 8:07:41 AM



#48

Methyl methacrylate

Concen: 49.40 ug/l

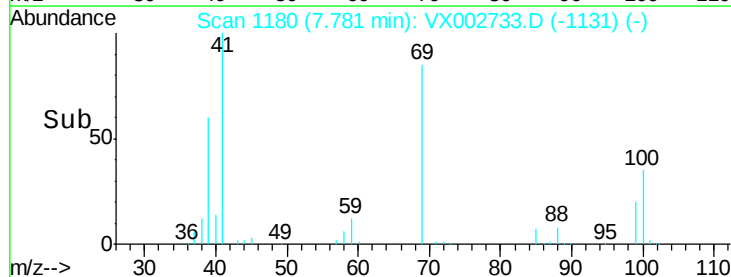
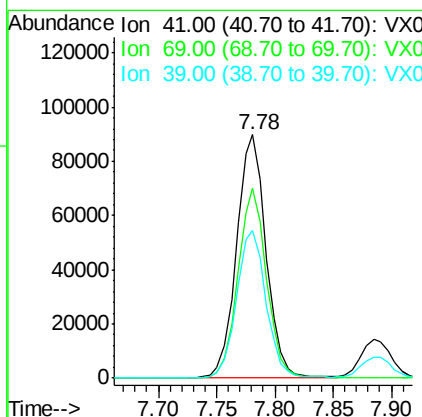
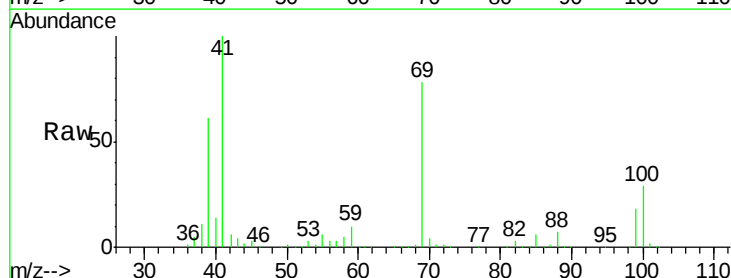
RT: 7.78 min Scan# 1180

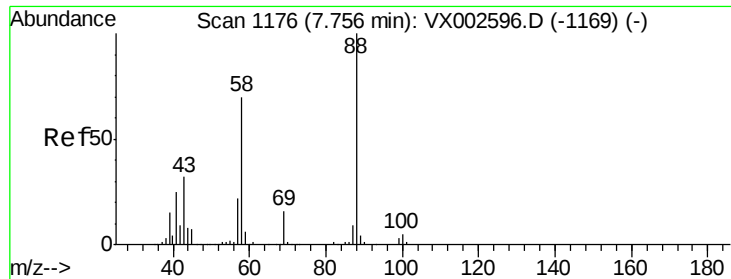
Delta R.T. 0.00 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Tgt Ion:	41	Resp:	157552
Ion	Ratio	Lower	Upper
41	100		
69	76.4	59.1	88.7
39	61.1	48.9	73.3





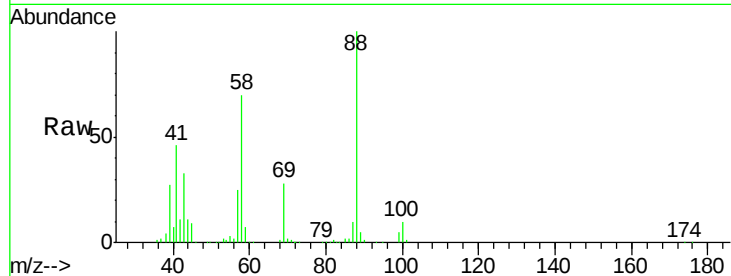
#49
1,4-Dioxane
Concen: 865.15 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

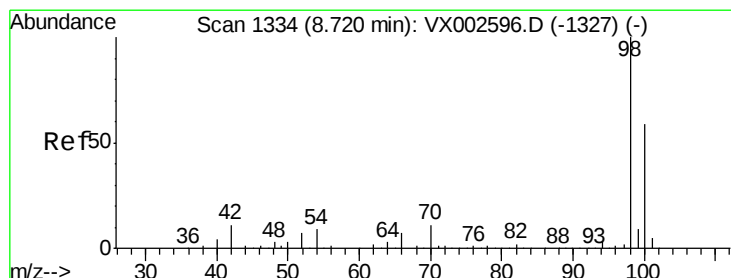
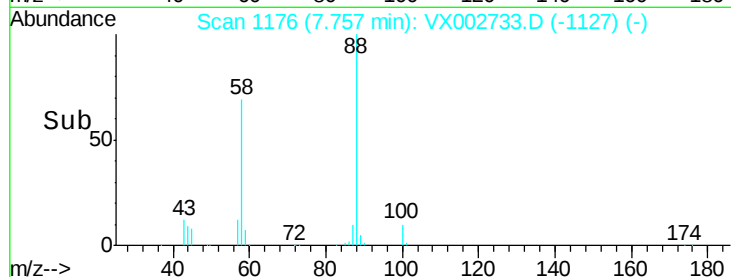
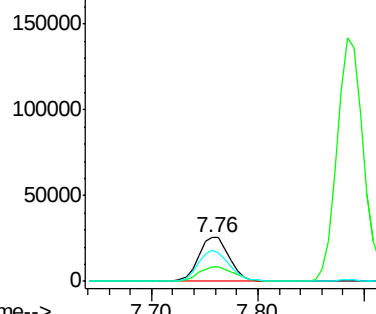
Tot Ion	Ratio	Lower	Upper
88	100		
43	38.2	29.8	44.6
58	70.9	57.1	85.7

Manual Integrations
APPROVED

apatel
6/22/2018 8:07:41 AM

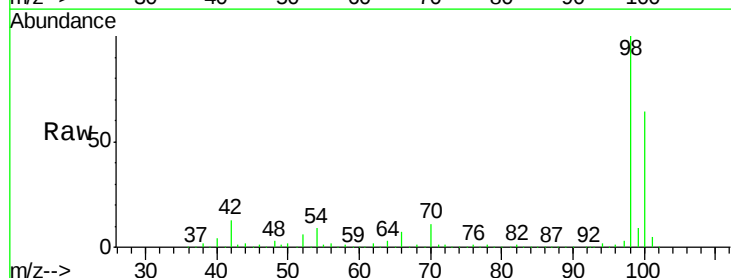


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

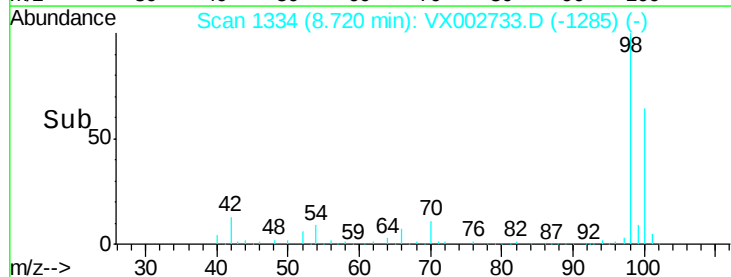
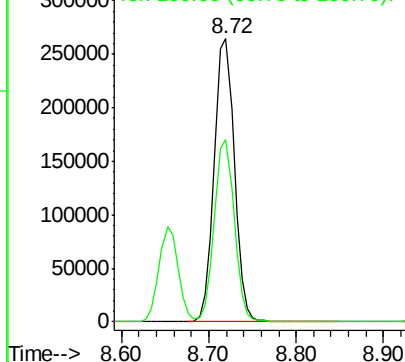


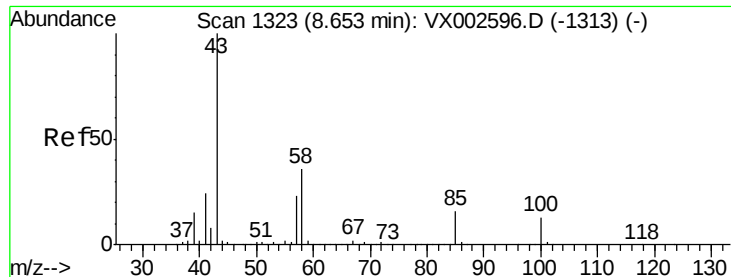
#50
Toluene-d8
Concen: 44.69 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.9	76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 241.51 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 967799

Ion Ratio Lower Upper

43 100

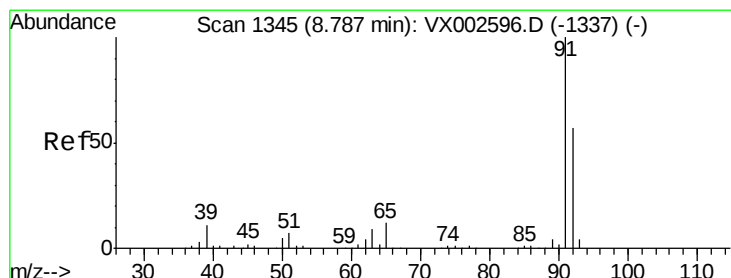
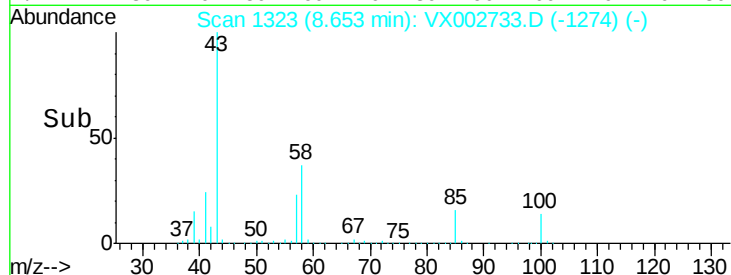
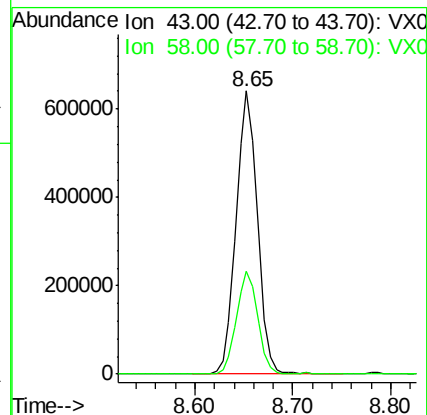
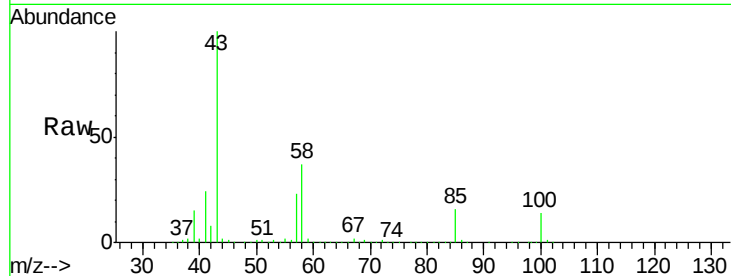
58 36.3 28.6 42.8

Manual Integrations

APPROVED

apatel

6/22/2018 8:07:41 AM



#52

Toluene

Concen: 49.51 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002733.D

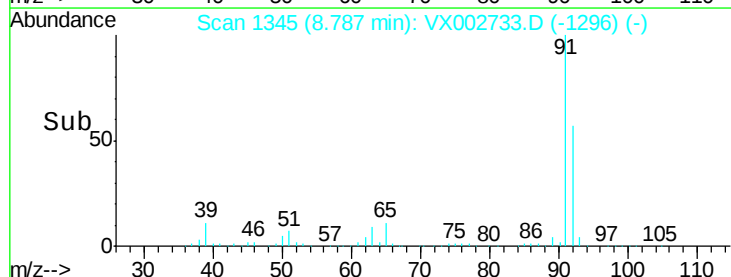
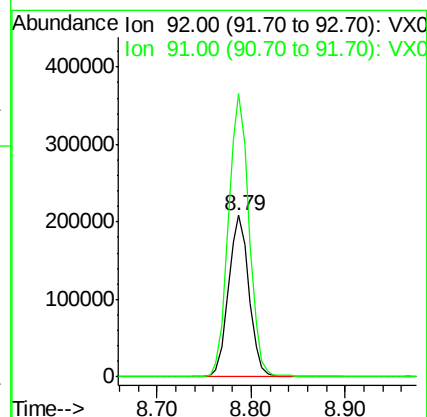
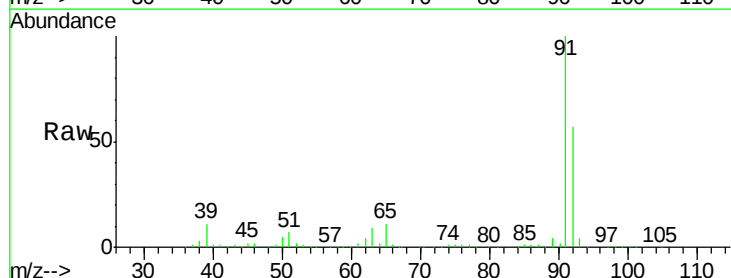
Acq: 20 Jun 2018 10:54

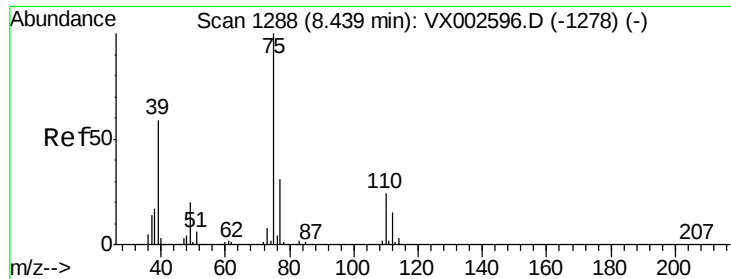
Tgt Ion: 92 Resp: 315190

Ion Ratio Lower Upper

92 100

91 175.5 140.4 210.6





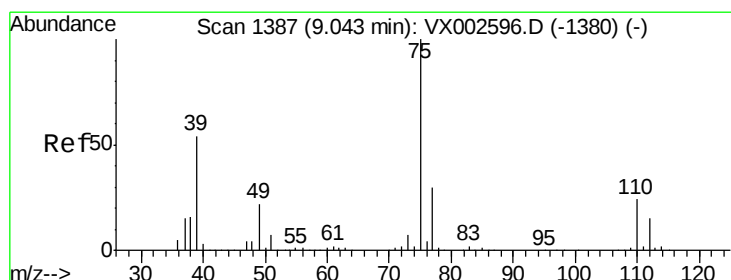
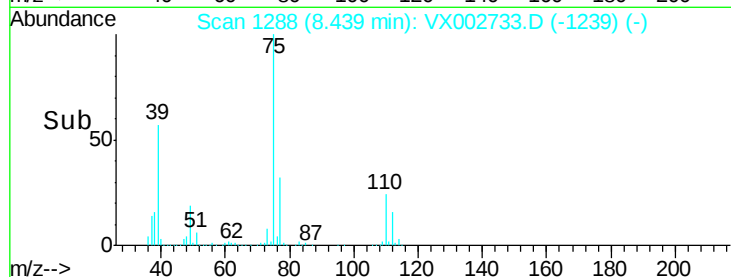
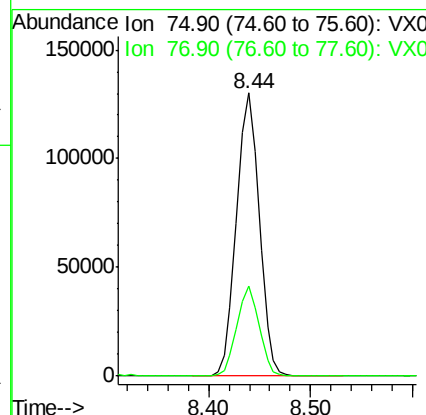
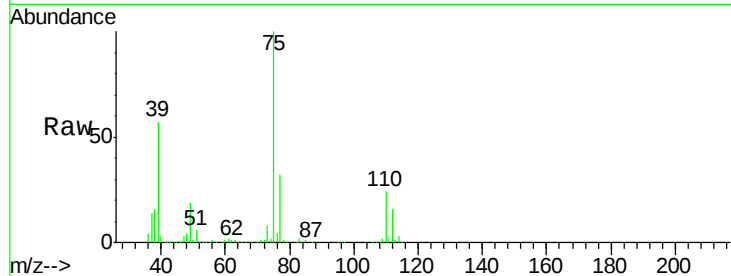
#53
t-1,3-Dichloropropene
Concen: 49.16 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 201449
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.2

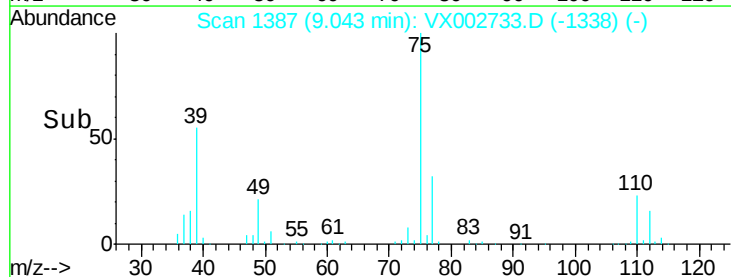
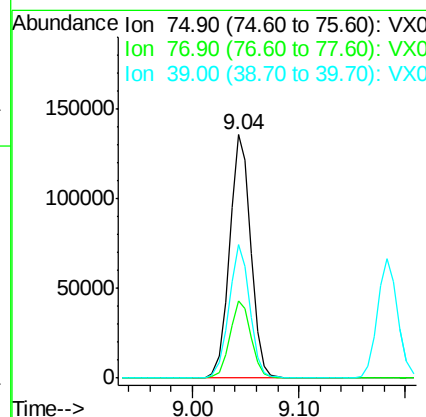
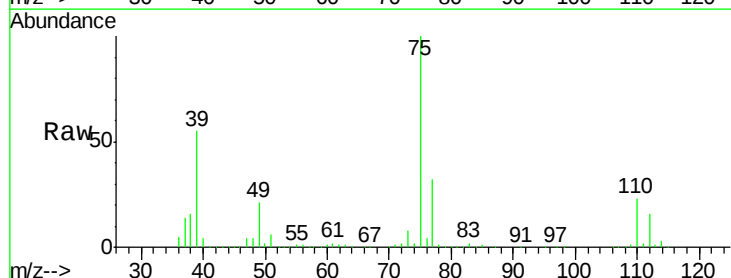
Manual Integrations
APPROVED

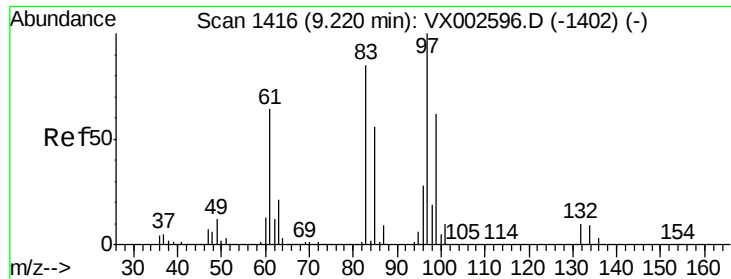
apatel
6/22/2018 8:07:41 AM



#54
cis-1,3-Dichloropropene
Concen: 48.39 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Tgt Ion: 75 Resp: 188919
Ion Ratio Lower Upper
75 100
77 31.8 24.8 37.2
39 54.7 42.4 63.6





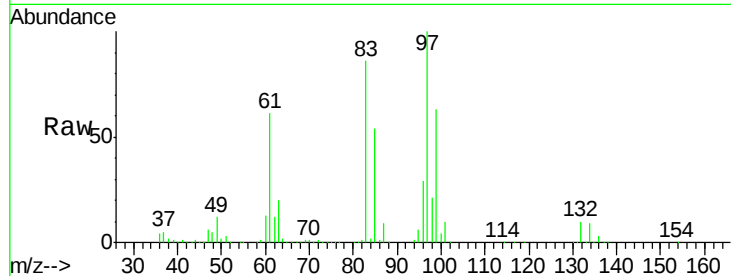
#55
 1,1,2-Trichloroethane
 Concen: 52.07 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002733.D
 Acq: 20 Jun 2018 10:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

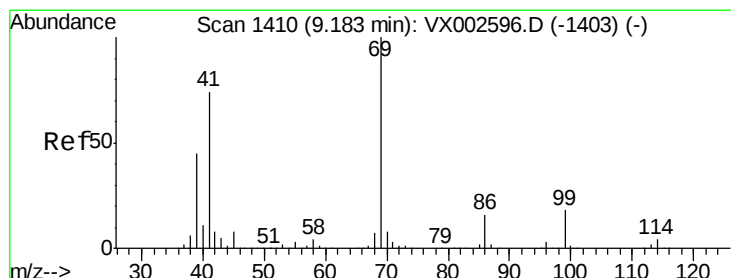
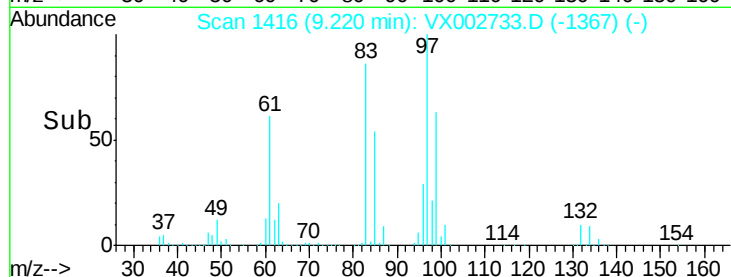
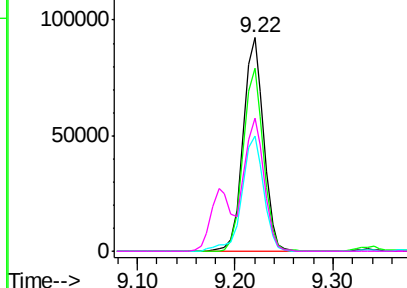
Tot Ion:	97	Resp:	133941
Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.2	105.2
85	53.7	44.9	67.3
99	62.5	49.8	74.8

Manual Integrations
 APPROVED

apatel
 6/22/2018 8:07:41 AM

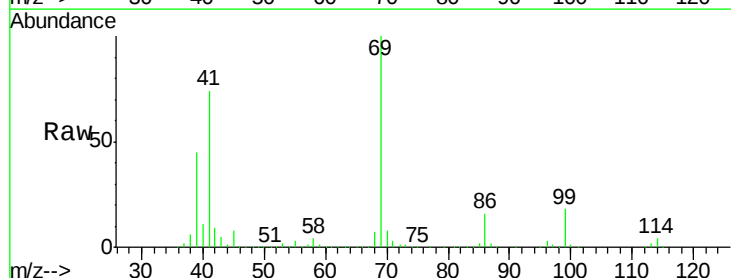


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

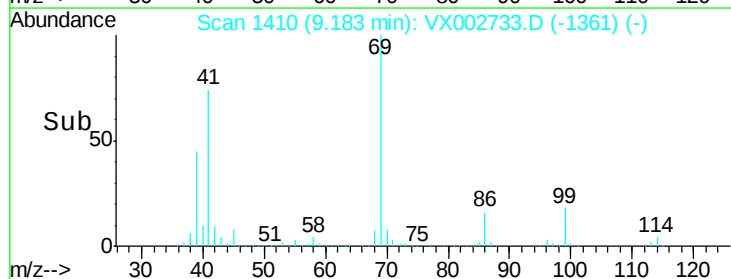
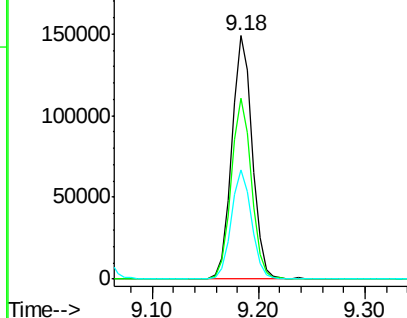


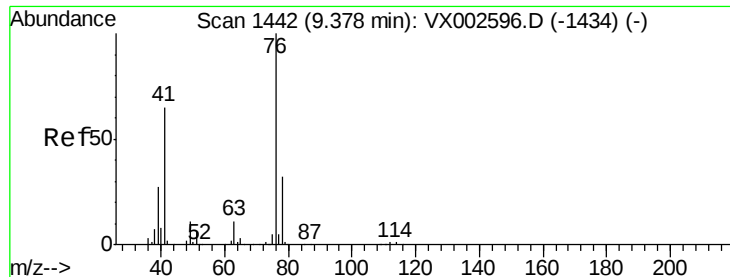
#56
 Ethyl methacrylate
 Concen: 50.92 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX002733.D
 Acq: 20 Jun 2018 10:54

Tgt Ion:	69	Resp:	201554
Ion	Ratio	Lower	Upper
69	100		
41	73.0	60.3	90.5
39	44.1	35.8	53.8



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 50.09 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 217890

Ion Ratio Lower Upper

76 100

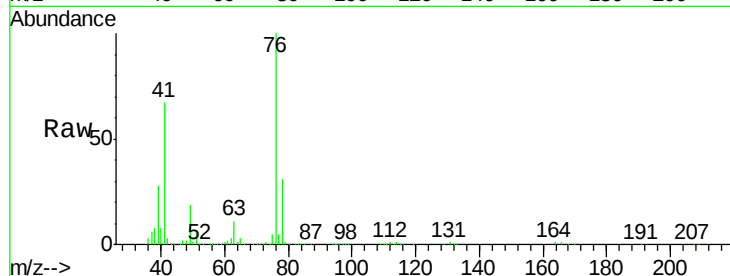
78 32.0 25.8 38.6

Manual Integrations

APPROVED

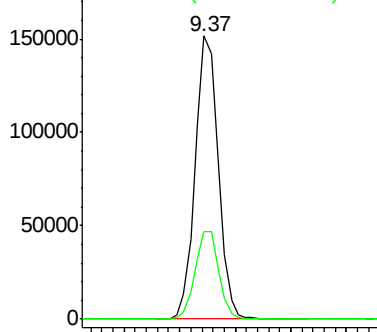
apatel

6/22/2018 8:07:41 AM

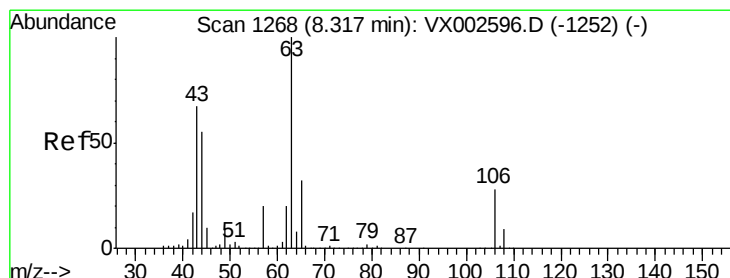
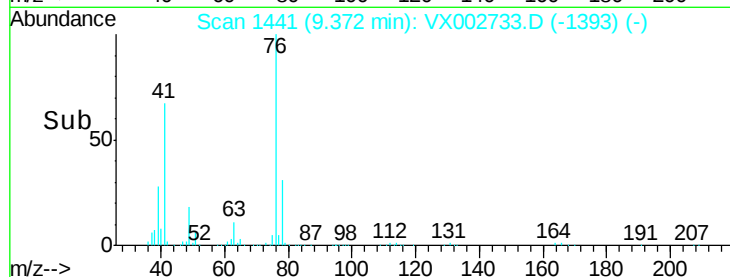


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 229.94 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX002733.D

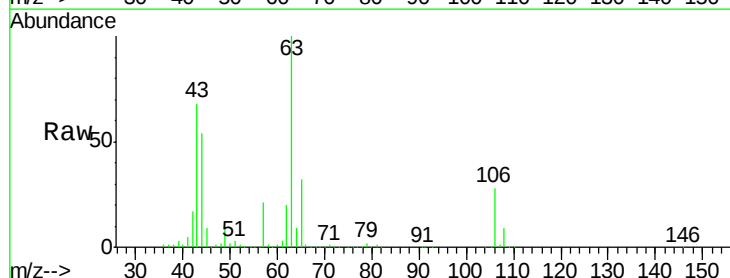
Acq: 20 Jun 2018 10:54

Tgt Ion: 63 Resp: 440236

Ion Ratio Lower Upper

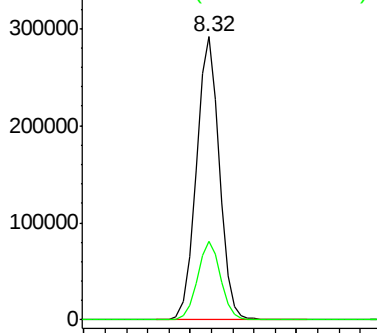
63 100

106 28.0 21.8 32.8

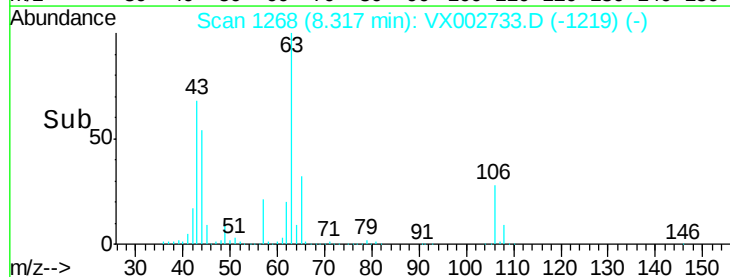


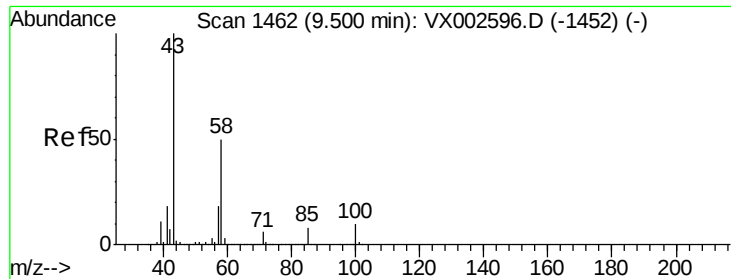
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V



Time-->





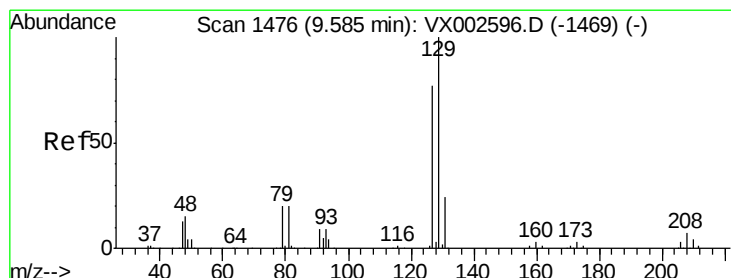
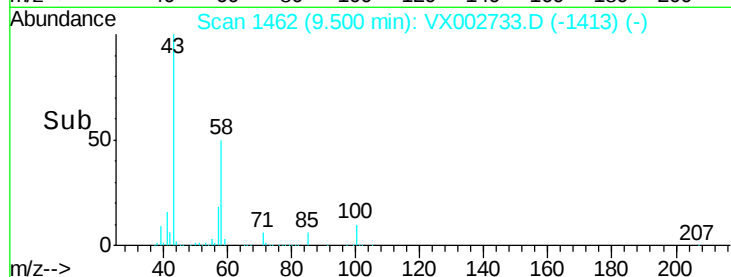
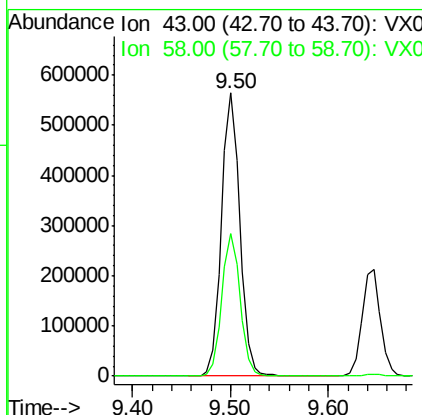
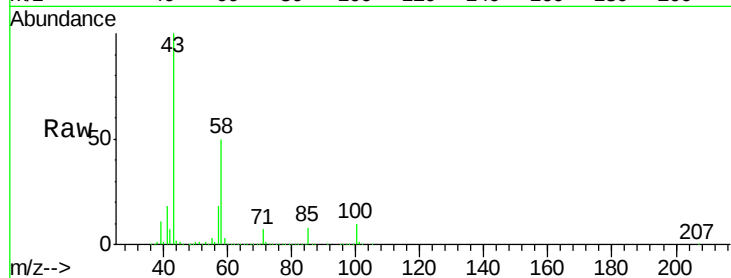
#59
2-Hexanone
Concen: 244.82 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 739272
Ion Ratio Lower Upper
43 100
58 50.3 24.6 73.6

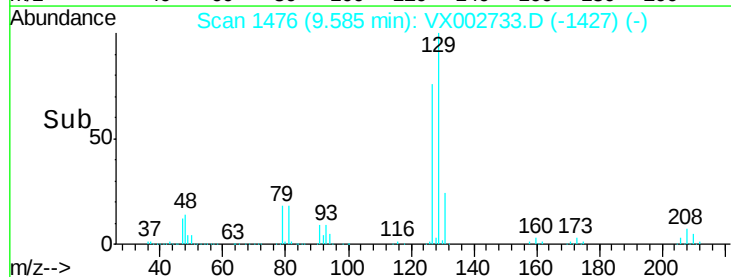
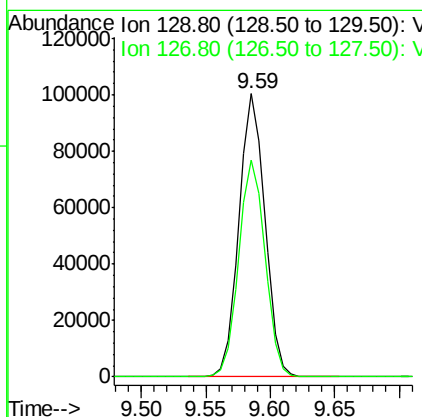
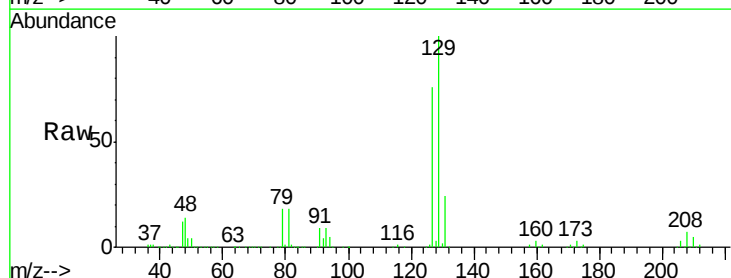
Manual Integrations
APPROVED

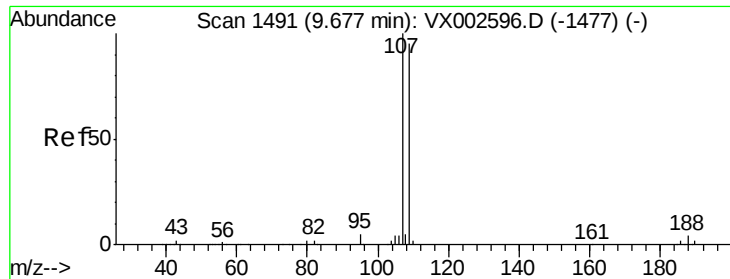
apatel
6/22/2018 8:07:41 AM



#60
Dibromochloromethane
Concen: 48.67 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Tgt Ion: 129 Resp: 140500
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.3





#61

1,2-Dibromoethane

Concen: 53.03 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 141271

Ion Ratio Lower Upper

107 100

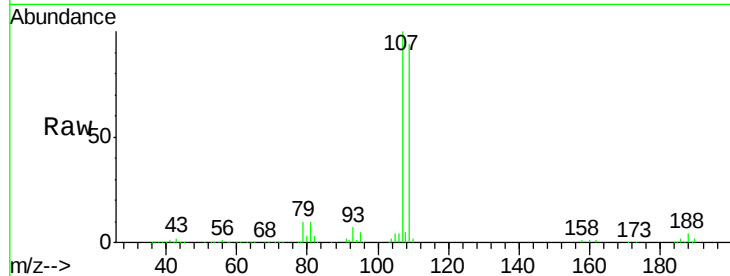
109 93.3 75.3 112.9

Manual Integrations

APPROVED

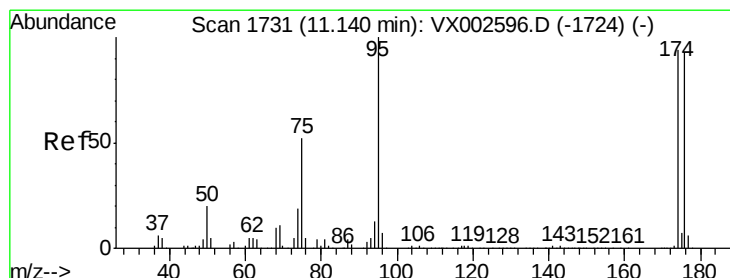
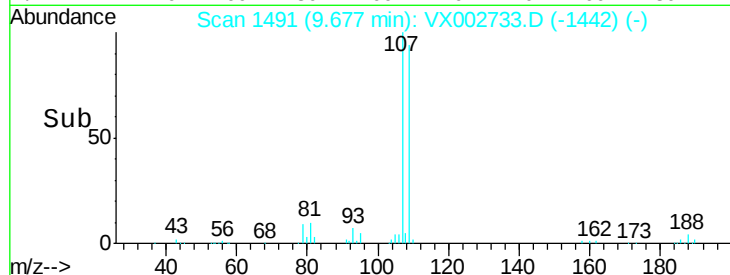
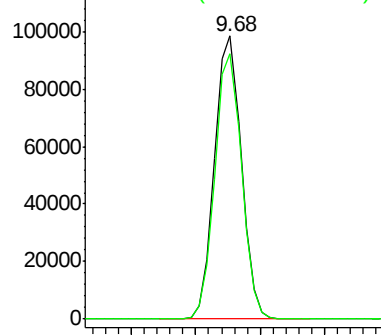
apatel

6/22/2018 8:07:41 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.17 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

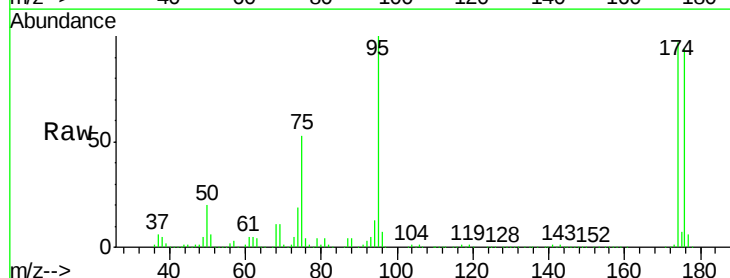
Tgt Ion: 95 Resp: 166147

Ion Ratio Lower Upper

95 100

174 98.8 0.0 187.4

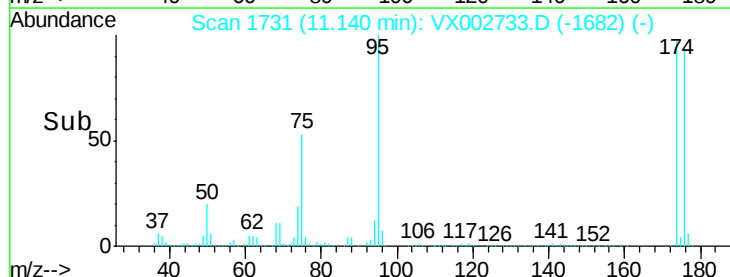
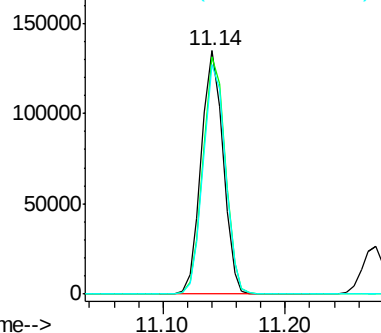
176 96.0 0.0 181.0

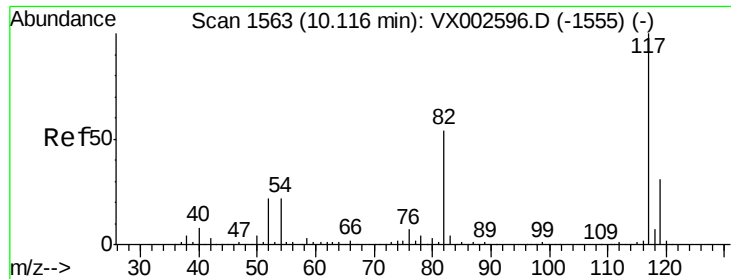


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





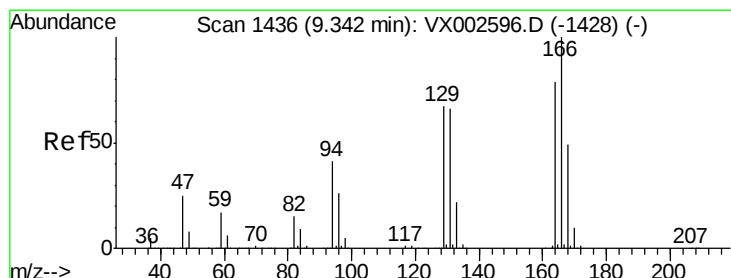
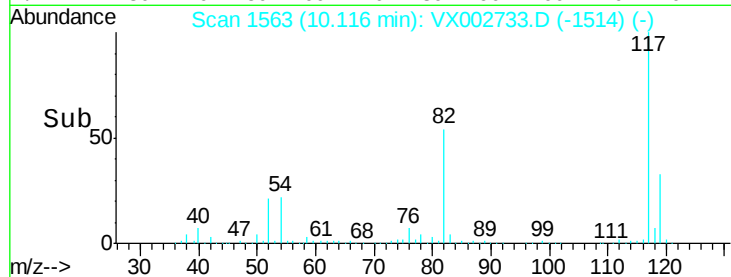
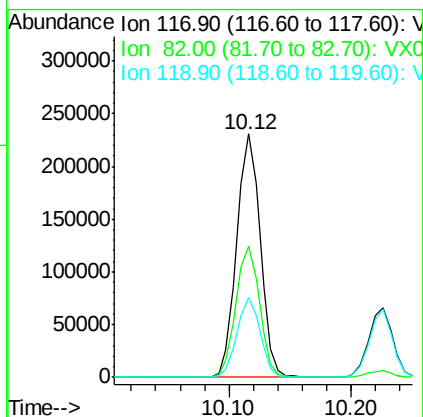
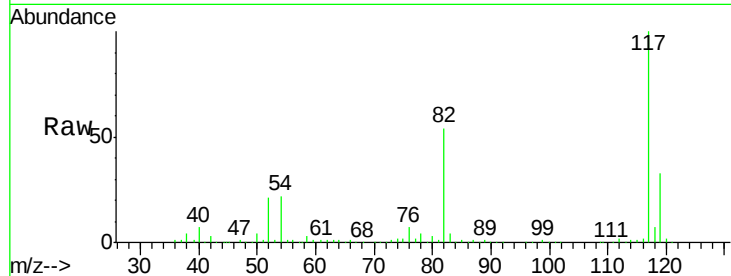
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	45.0	67.4
119	32.6	25.8	38.6

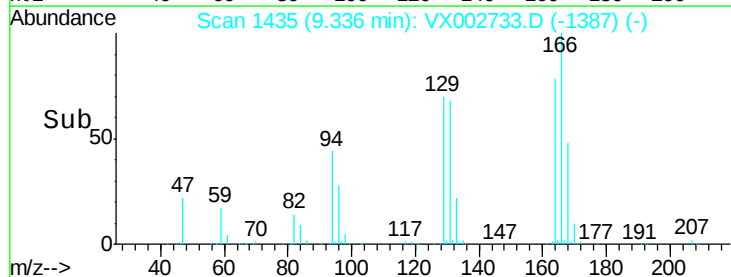
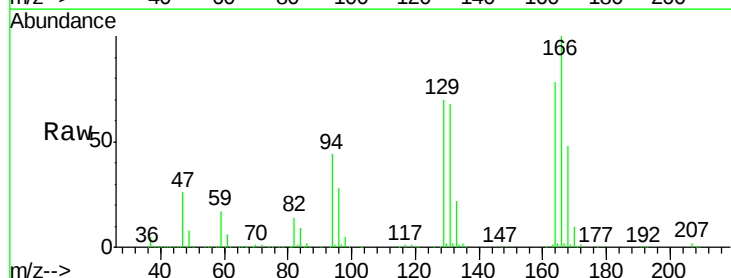
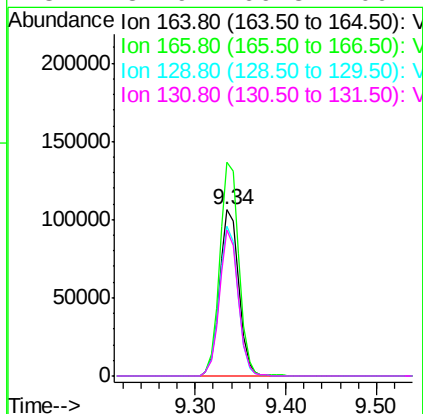
Manual Integrations
APPROVED

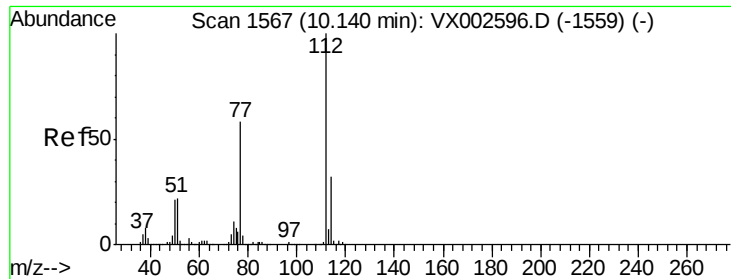
apatel
6/22/2018 8:07:41 AM



#64
Tetrachloroethene
Concen: 45.95 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	102.9	154.3
129	90.5	68.6	102.8
131	87.9	66.8	100.2





#65

Chlorobenzene

Concen: 49.38 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 371687

Ion Ratio Lower Upper

112 100

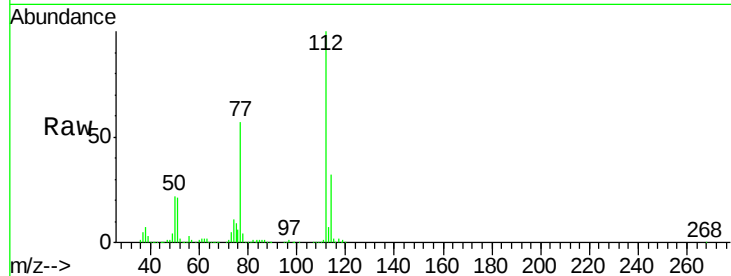
114 32.0 25.3 37.9

Manual Integrations

APPROVED

apatel

6/22/2018 8:07:41 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

250000

200000

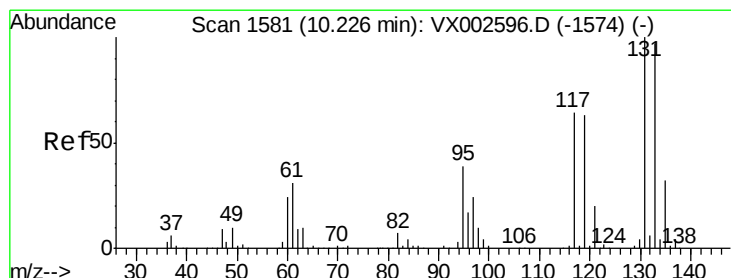
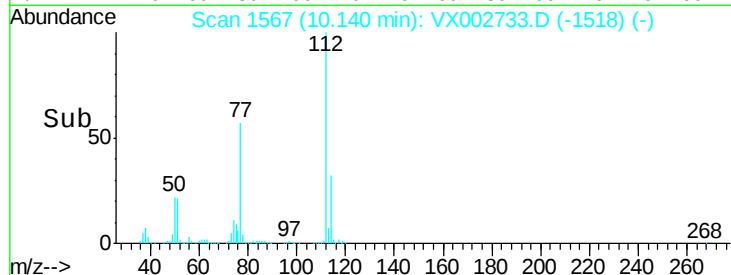
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 53.36 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

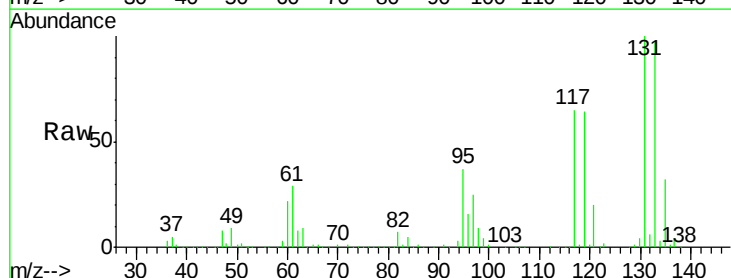
Tgt Ion:131 Resp: 136925

Ion Ratio Lower Upper

131 100

133 96.0 47.9 143.6

119 62.5 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

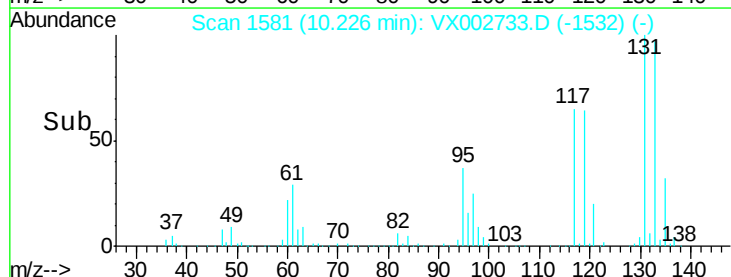
10.23

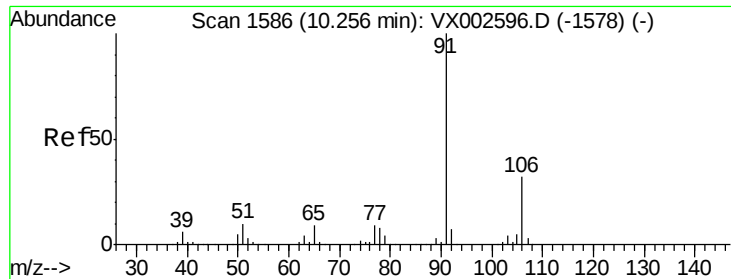
100000

50000

0

Time-->





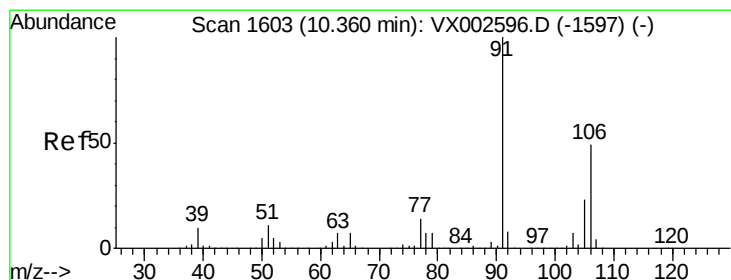
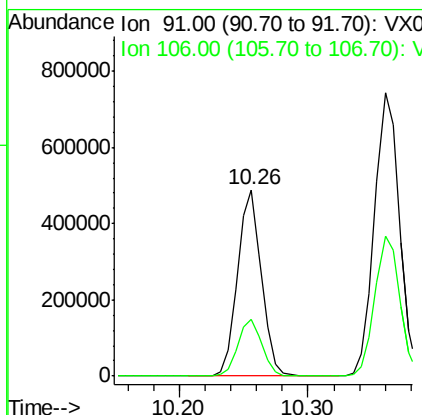
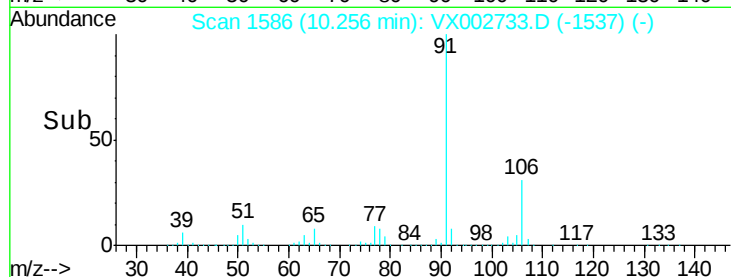
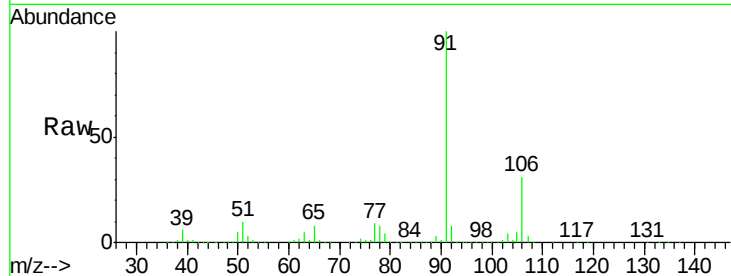
#67
Ethyl Benzene
Concen: 49.36 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 626607
Ion Ratio Lower Upper
91 100
106 30.8 25.5 38.3

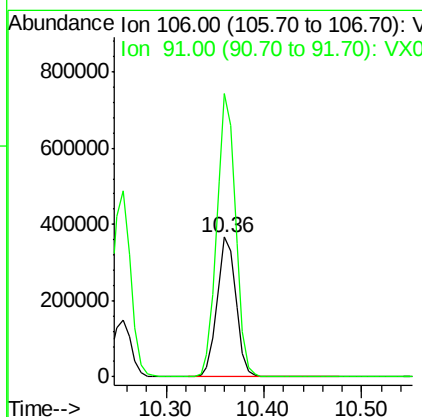
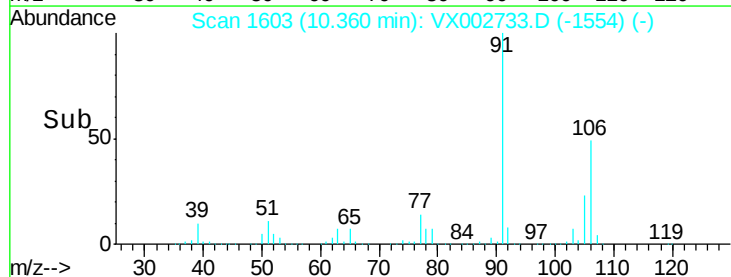
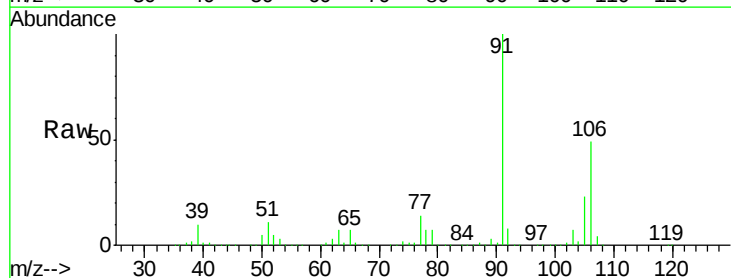
Manual Integrations
APPROVED

apatel
6/22/2018 8:07:41 AM



#68
m/p-Xylenes
Concen: 100.08 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Tgt Ion: 106 Resp: 490077
Ion Ratio Lower Upper
106 100
91 202.6 163.4 245.2





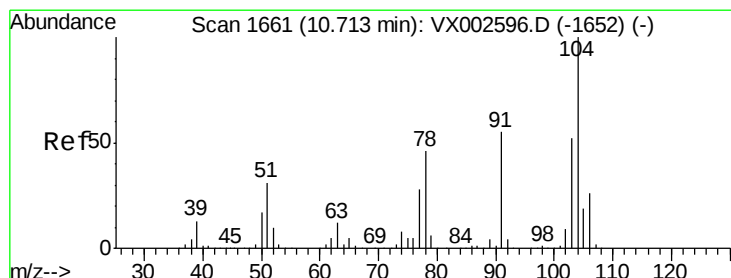
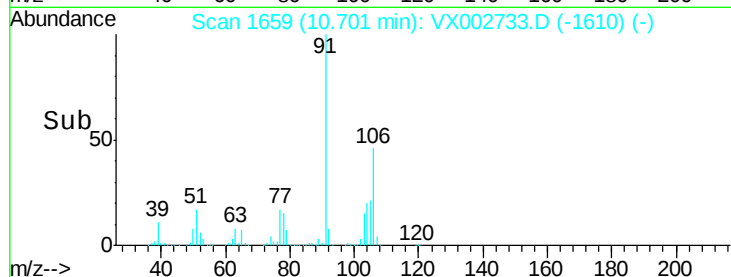
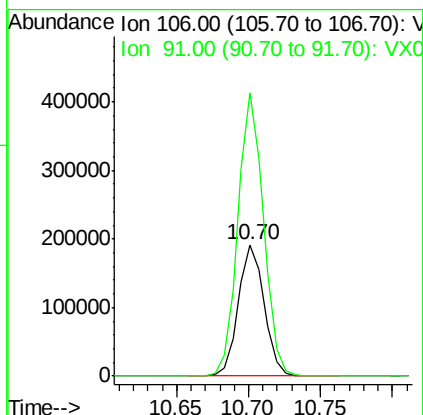
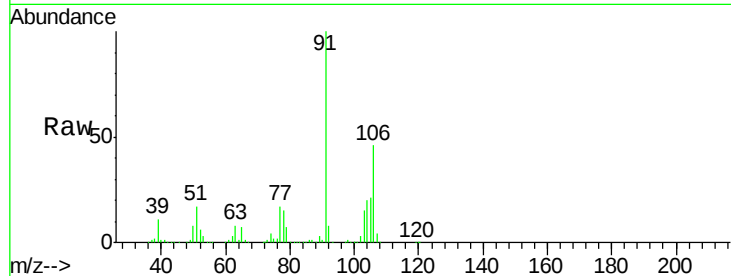
#69
o-Xylene
Concen: 49.76 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.5	108.2	324.6	

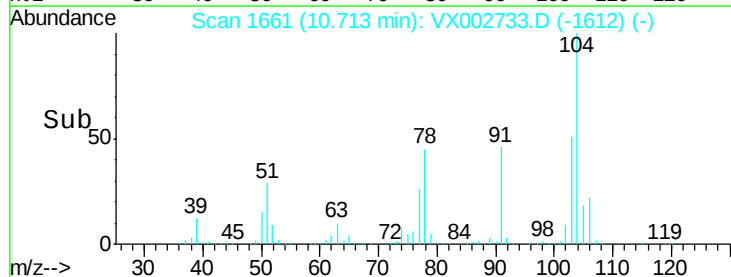
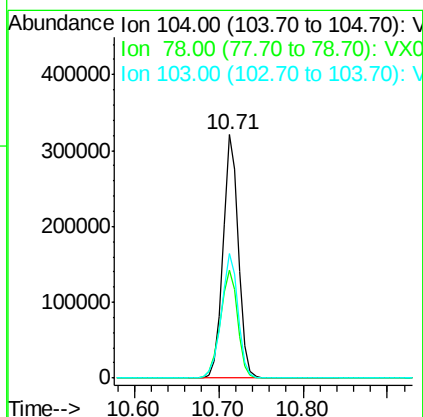
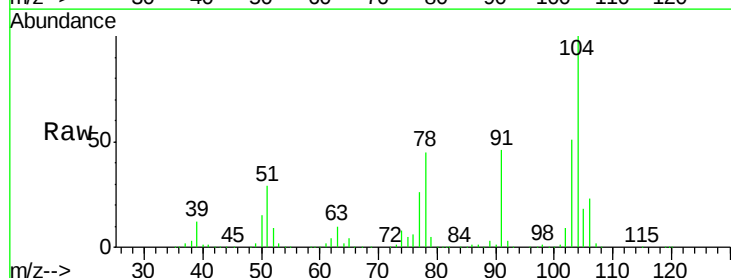
Manual Integrations
APPROVED

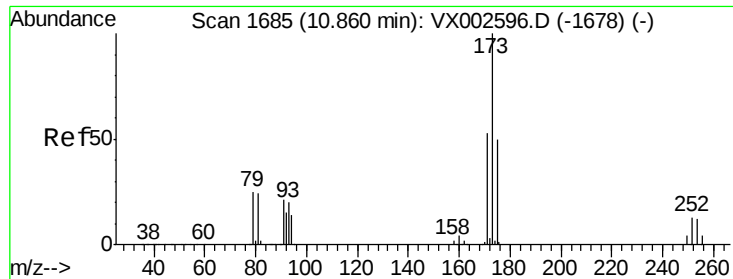
apatel
6/22/2018 8:07:41 AM



#70
Styrene
Concen: 51.32 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.3	41.0	61.6	
103	55.7	44.2	66.4	





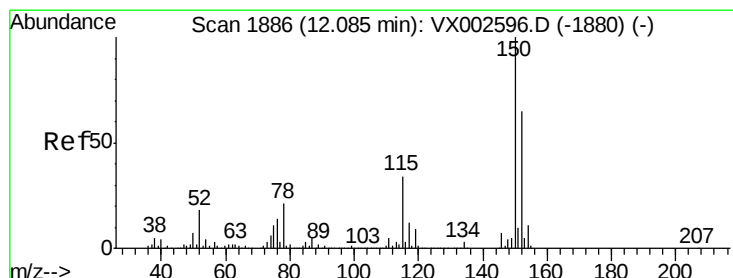
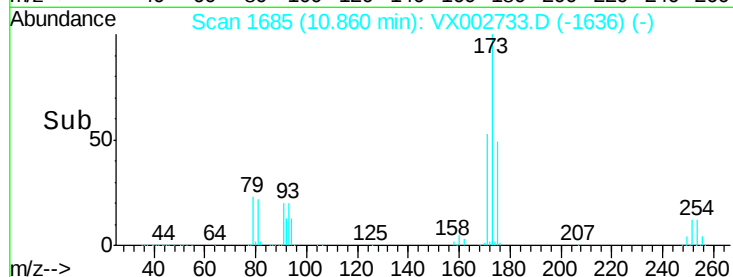
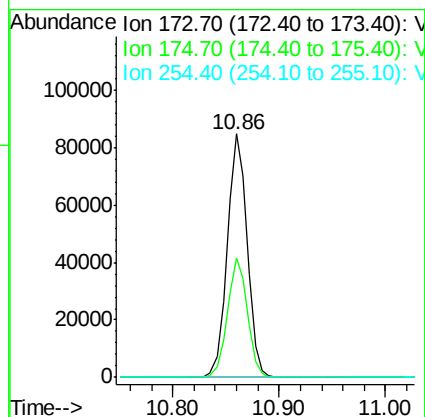
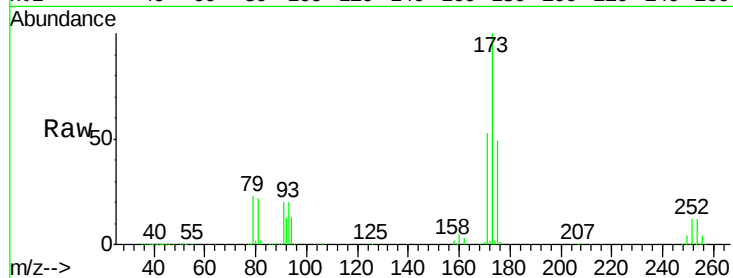
#71
Bromoform
Concen: 47.71 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.7	74.1
254	0.2	0.2	0.2

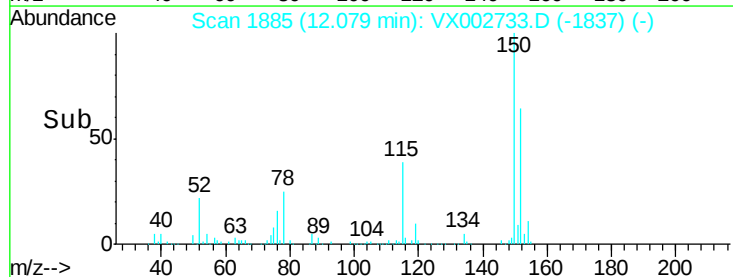
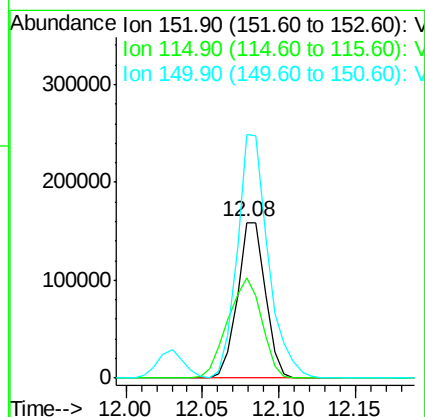
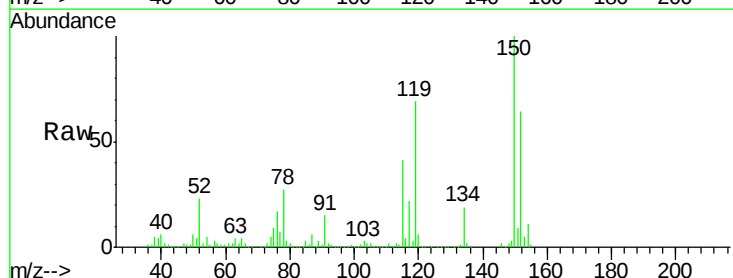
Manual Integrations
APPROVED

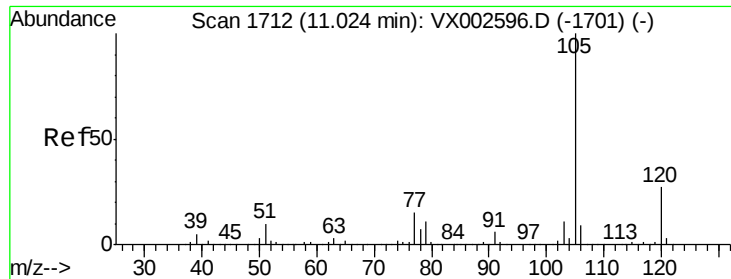
apatel
6/22/2018 8:07:41 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.6	40.1	120.2
150	172.9	0.0	347.2





#73

Isopropylbenzene

Concen: 47.78 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 643573

Ion Ratio Lower Upper

105 100

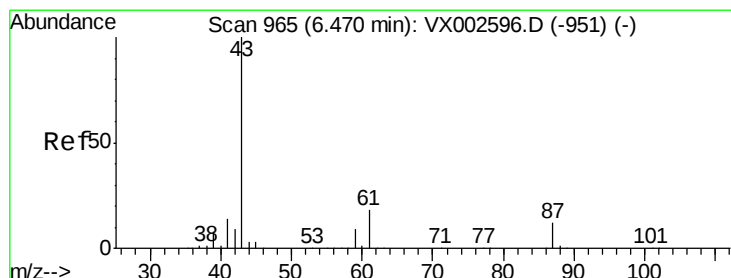
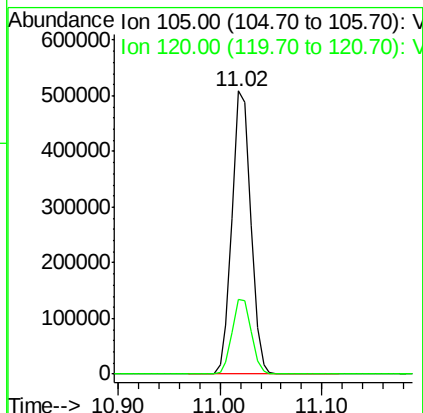
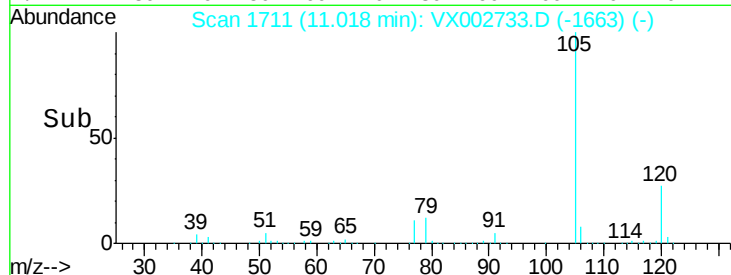
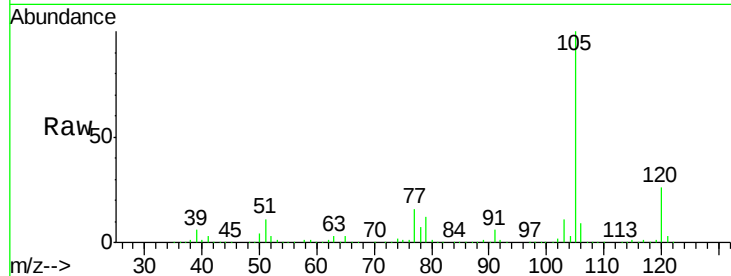
120 26.9 13.5 40.4

Manual Integrations

APPROVED

apatel

6/22/2018 8:07:41 AM



#74

N-ethyl acetate

Concen: 44.79 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Tgt Ion: 43 Resp: 299768

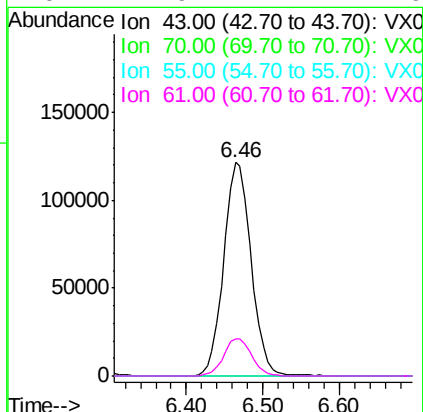
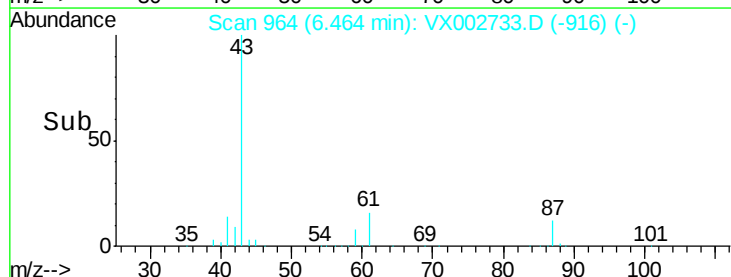
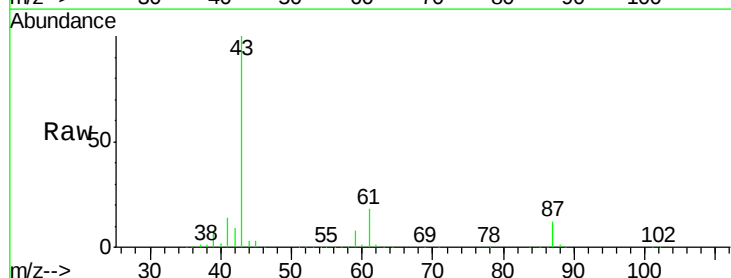
Ion Ratio Lower Upper

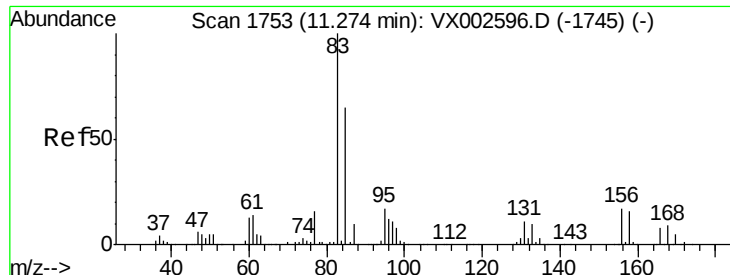
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 17.9 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.22 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_X

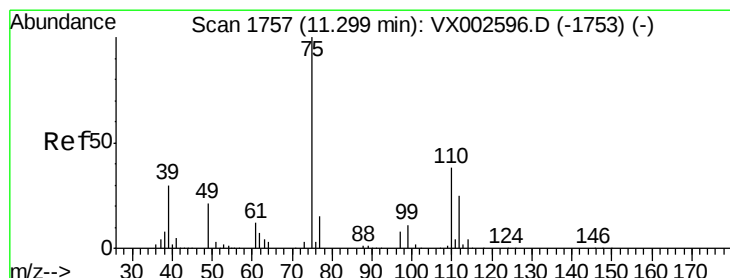
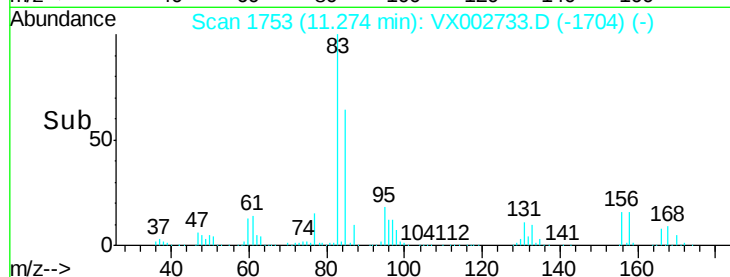
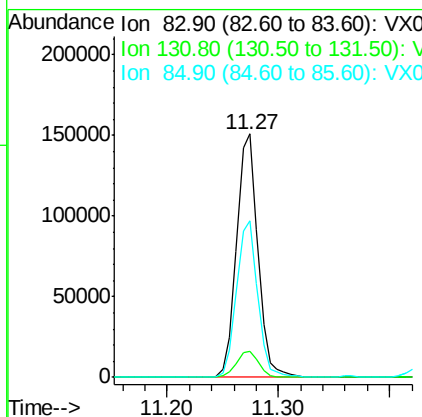
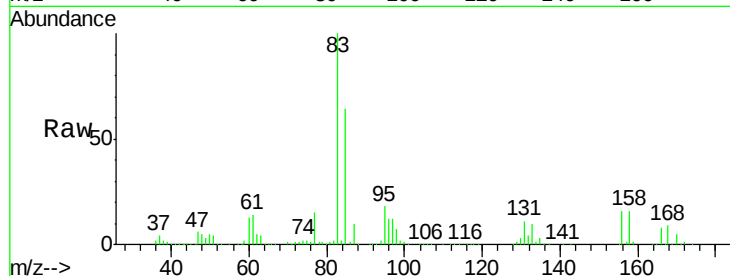
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	199756
Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.6	16.8
85	64.1	32.4	97.2

Manual Integrations
APPROVED

apatel
6/22/2018 8:07:41 AM



#76

1,2,3-Trichloropropane

Concen: 52.69 ug/l m

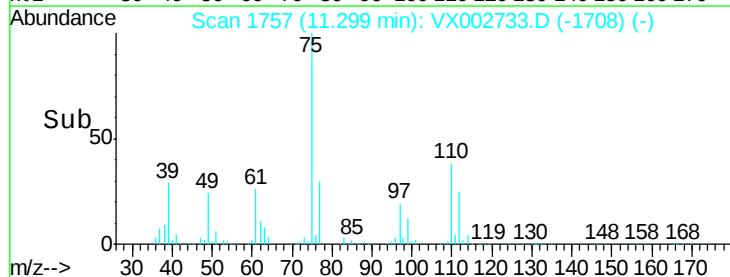
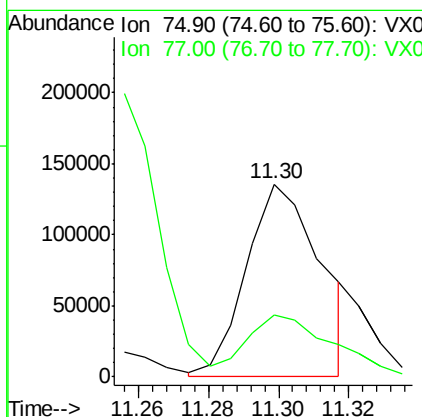
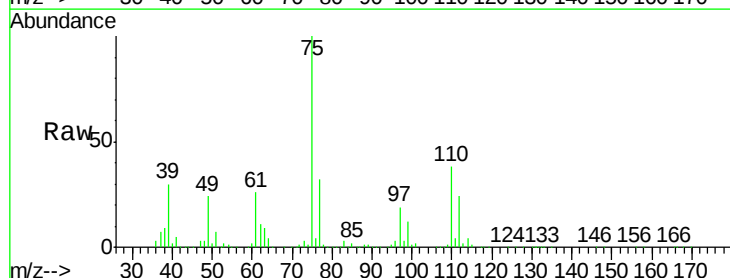
RT: 11.30 min Scan# 1757

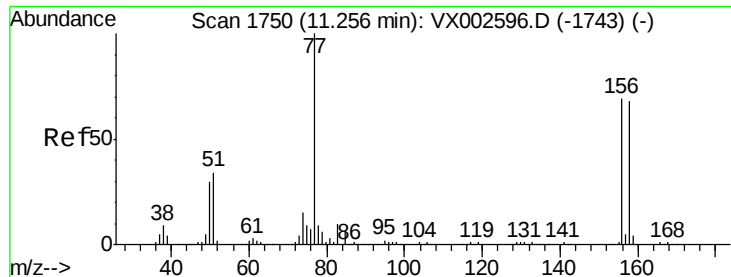
Delta R.T. 0.00 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Tgt Ion:	75	Resp:	200241
Ion	Ratio	Lower	Upper
75	100		
77	37.1	22.8	68.3





#77

Bromobenzene

Concen: 49.03 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_X

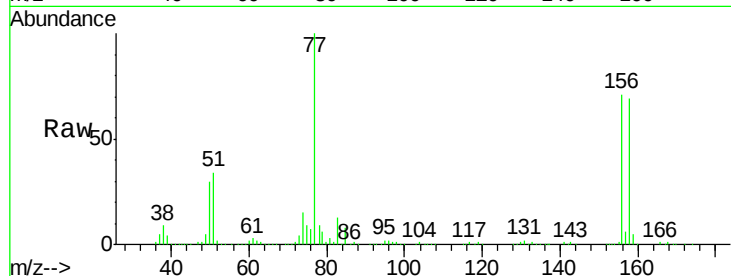
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	136.5	71.4	214.2
158	96.5	48.9	146.6

Manual Integrations
APPROVED

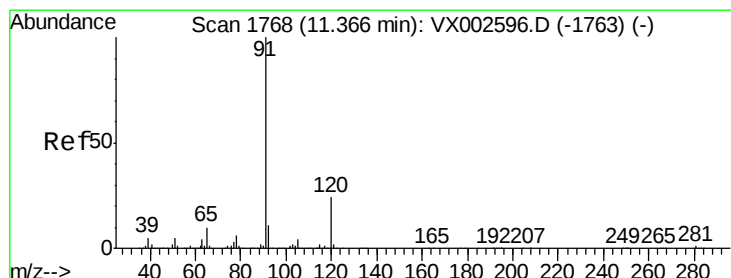
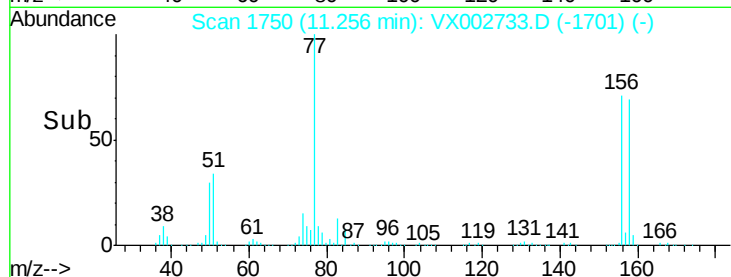
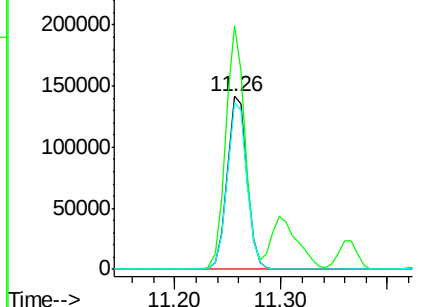
apatel
6/22/2018 8:07:41 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.00 ug/l

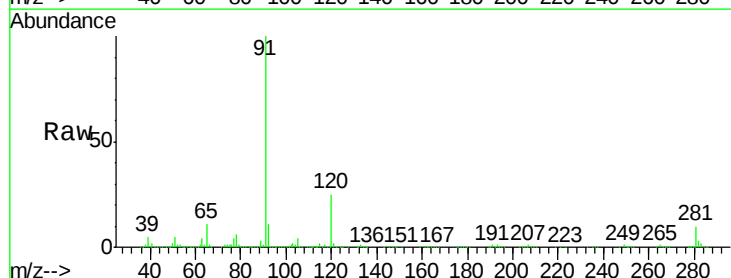
RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002733.D

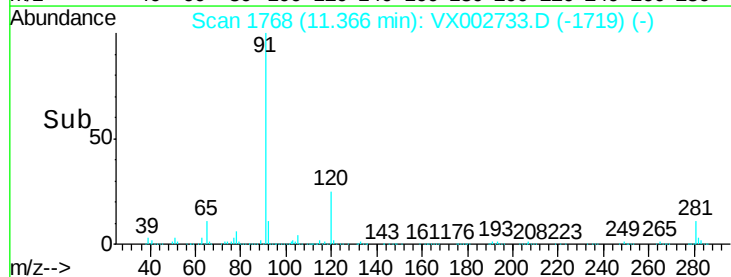
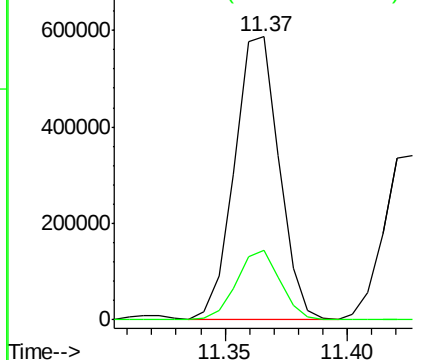
Acq: 20 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





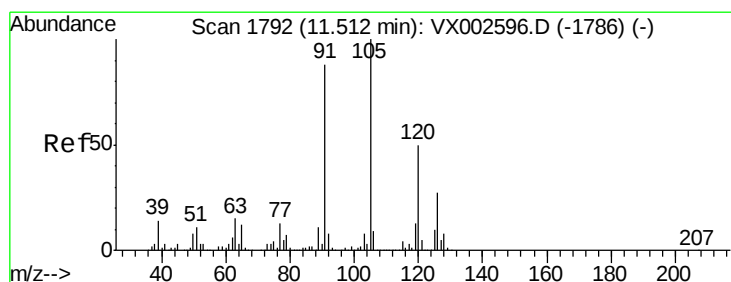
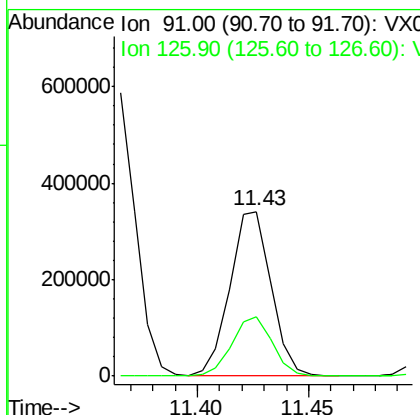
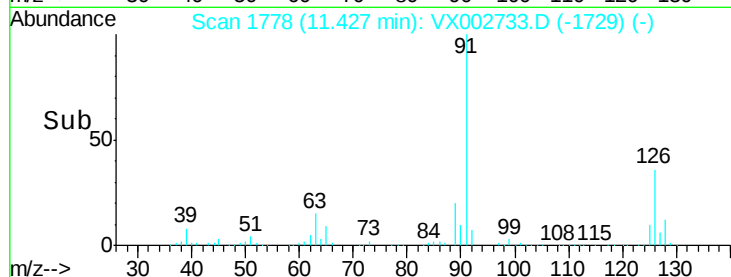
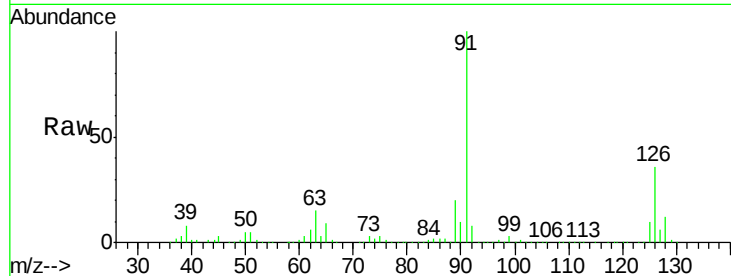
#79
2-Chlorotoluene
Concen: 47.46 ug/l
RT: 11.43 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 437752
Ion Ratio Lower Upper
91 100
126 35.5 17.7 53.1

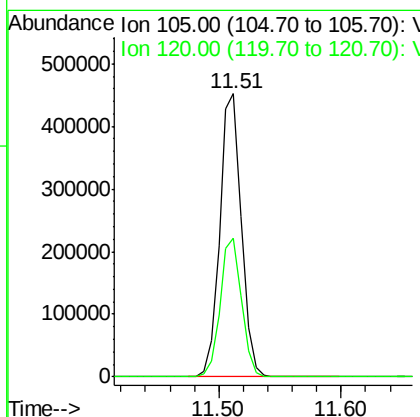
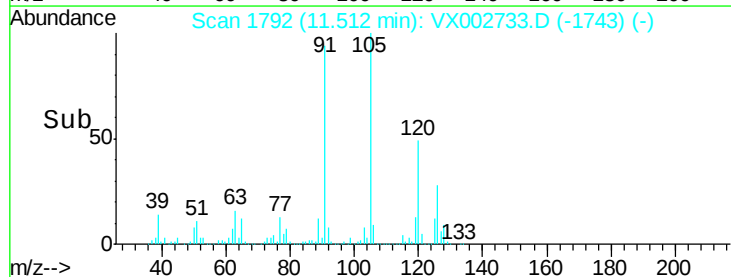
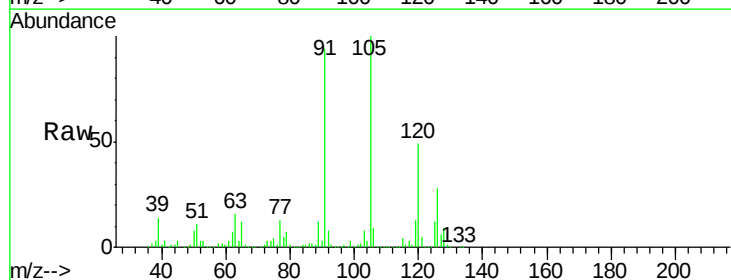
Manual Integrations
APPROVED

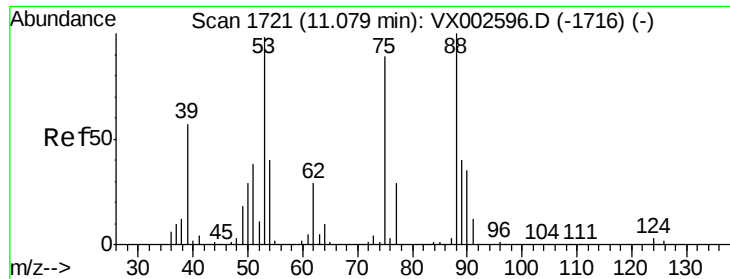
apatel
6/22/2018 8:07:41 AM



#80
1,3,5-Trimethylbenzene
Concen: 48.53 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Tgt Ion: 105 Resp: 552451
Ion Ratio Lower Upper
105 100
120 48.9 24.4 73.4





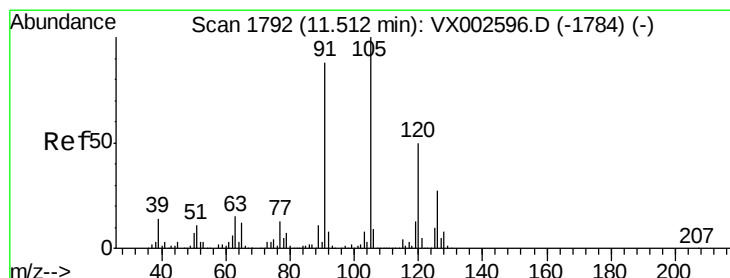
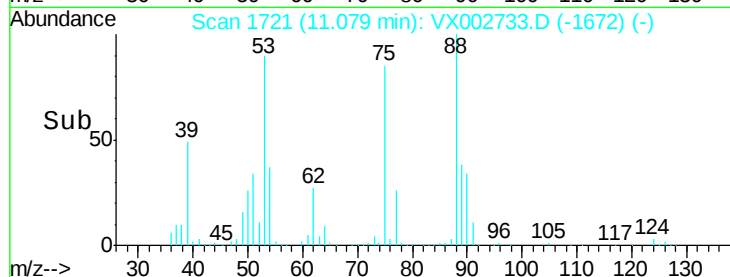
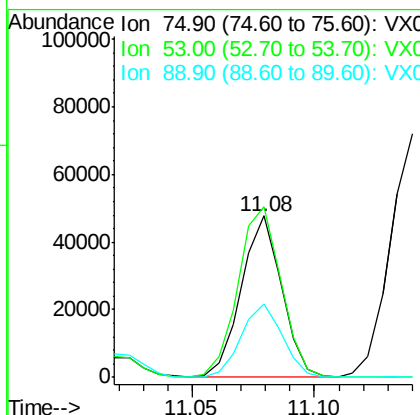
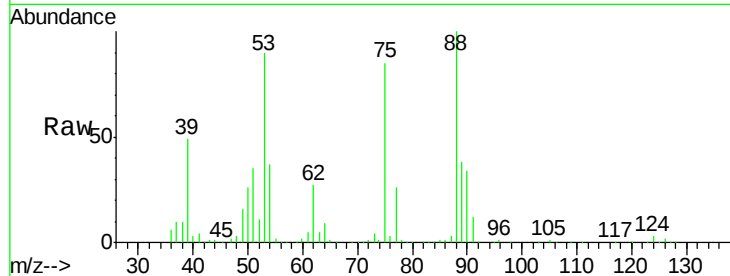
#81
trans-1,4-Dichloro-2-butene
Concen: 46.45 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.3	86.8	130.2
89	46.8	38.2	57.2

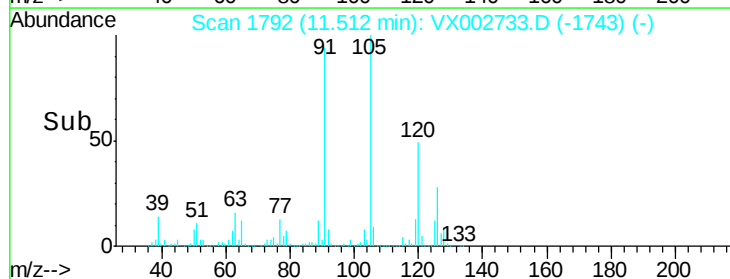
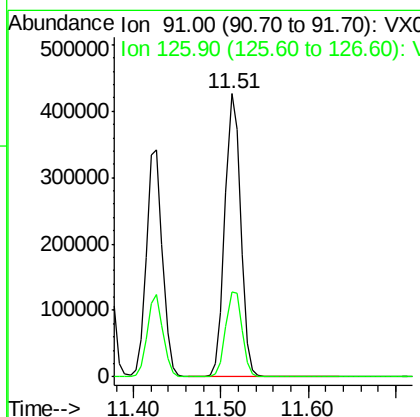
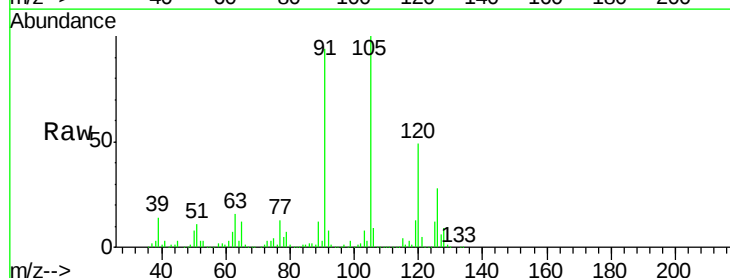
Manual Integrations
APPROVED

apatel
6/22/2018 8:07:41 AM



#82
4-Chlorotoluene
Concen: 48.73 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.4	46.4





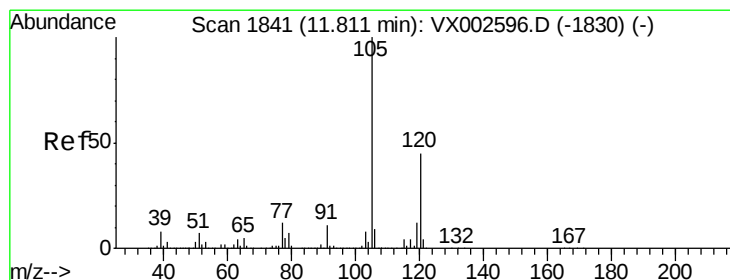
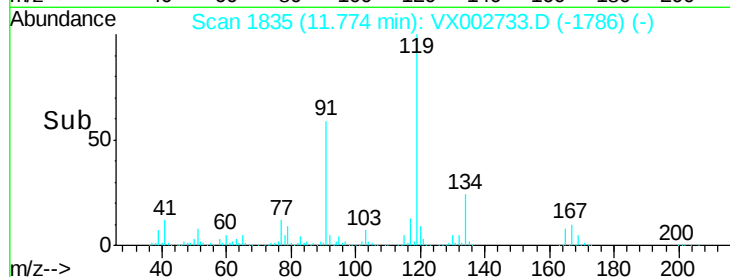
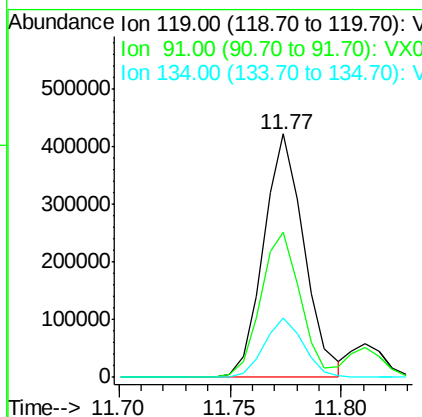
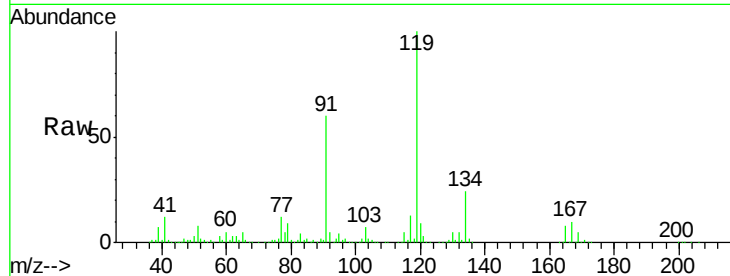
#83
 tert-Butylbenzene
 Concen: 48.62 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX002733.D
 Acq: 20 Jun 2018 10:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.2	30.3	90.9
134	23.7	11.7	35.1

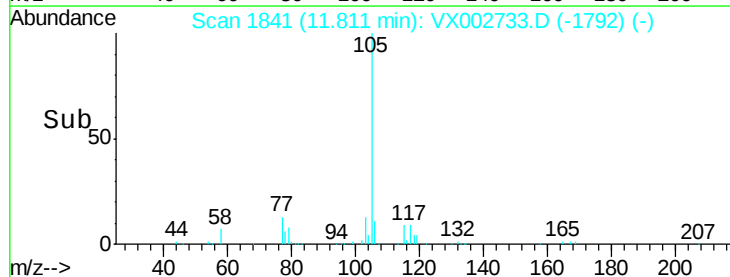
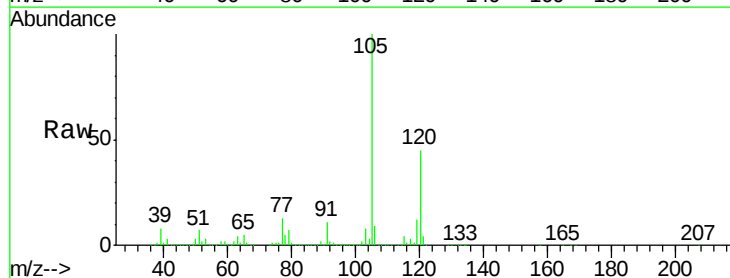
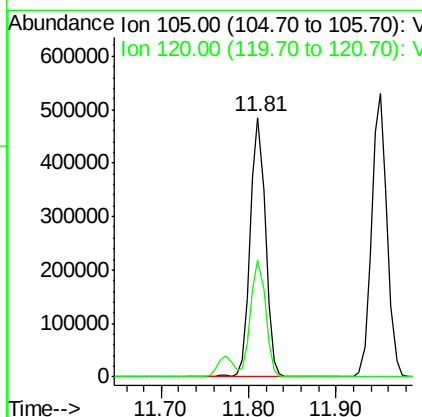
Manual Integrations
 APPROVED

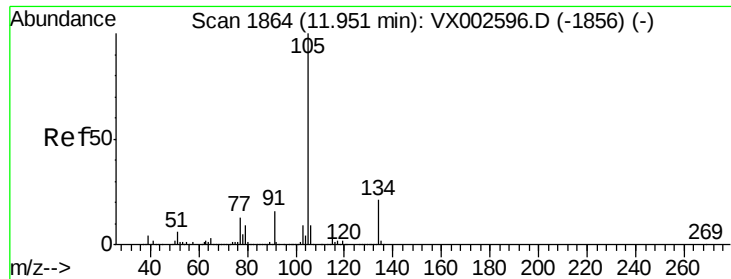
apatel
 6/22/2018 8:07:41 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.46 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002733.D
 Acq: 20 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.3	66.8





#85

sec-Butylbenzene

Concen: 48.16 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 656716

Ion Ratio Lower Upper

105 100

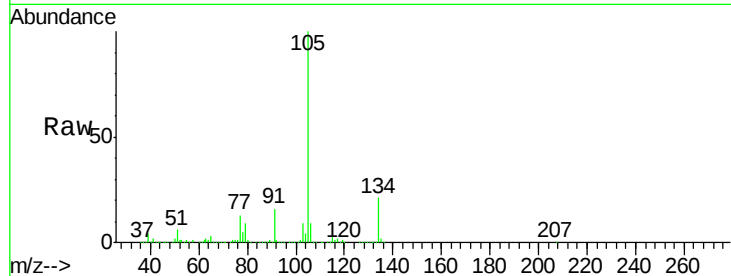
134 20.8 10.4 31.1

Manual Integrations

APPROVED

apatel

6/22/2018 8:07:41 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

500000

400000

300000

200000

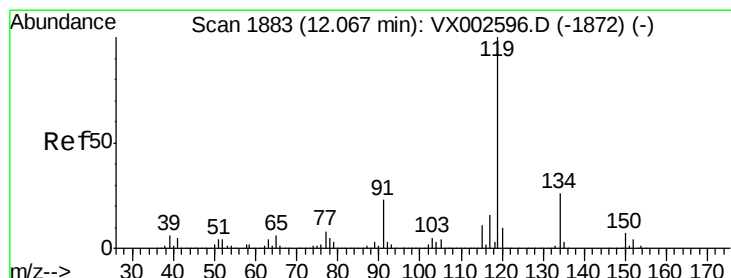
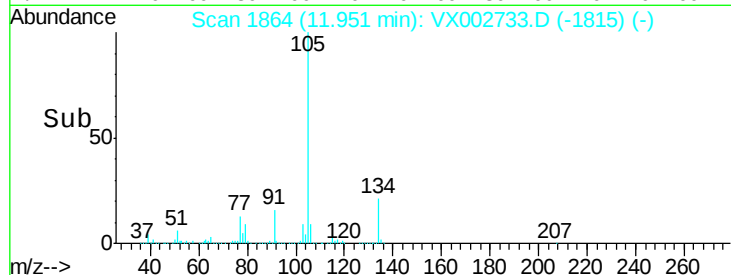
100000

0

11.90

12.00

Time-->



#86

p-Isopropyltoluene

Concen: 49.28 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

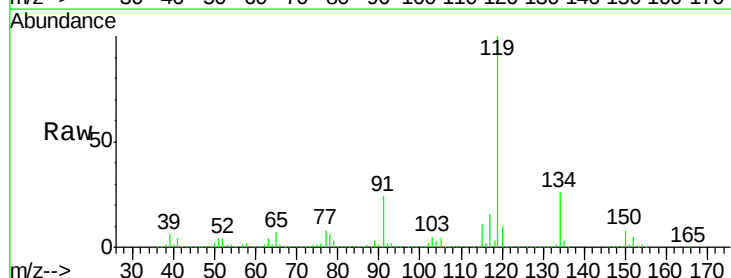
Tgt Ion:119 Resp: 608064

Ion Ratio Lower Upper

119 100

134 26.4 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

600000

400000

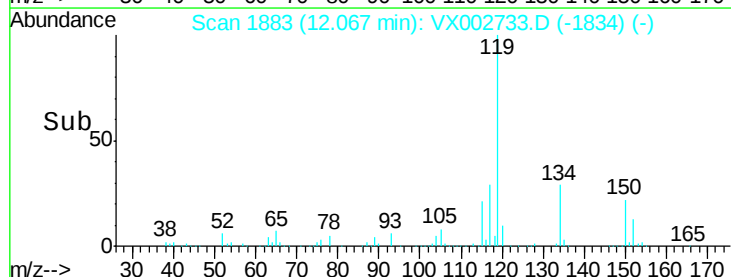
200000

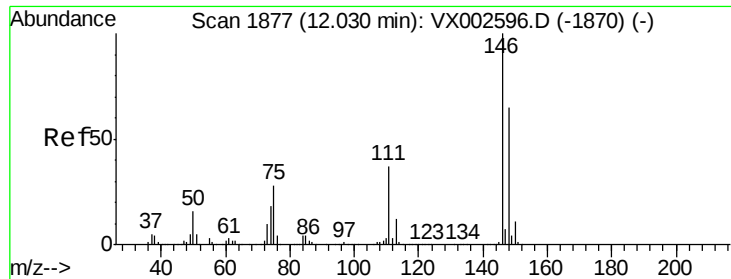
0

12.00

12.10

Time-->





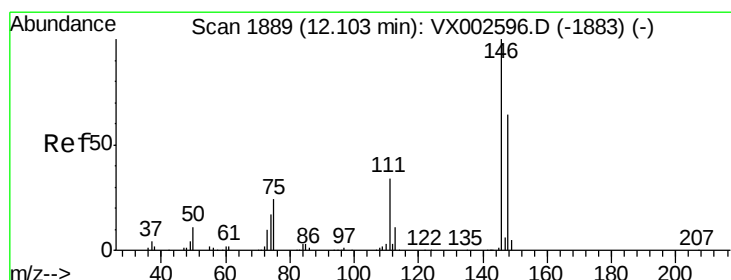
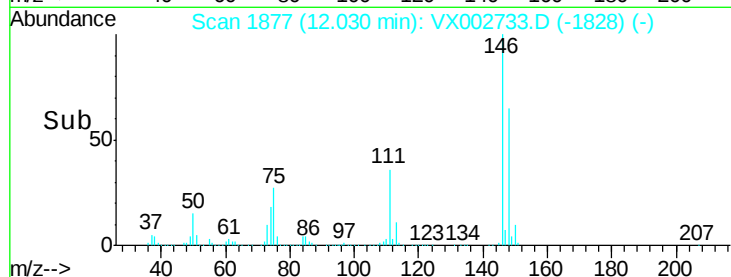
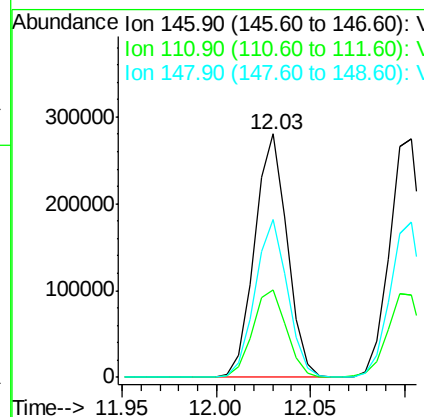
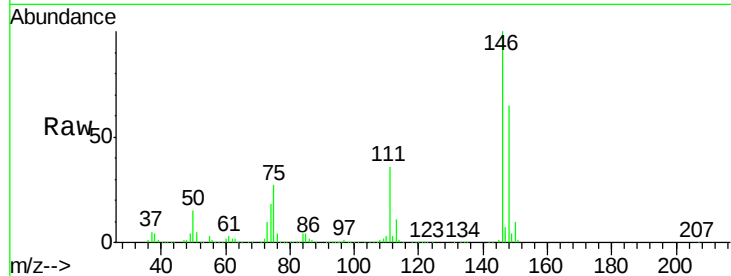
#87
 1,3-Dichlorobenzene
 Concen: 48.82 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002733.D
 Acq: 20 Jun 2018 10:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.9	56.7
148	64.4	32.1	96.3

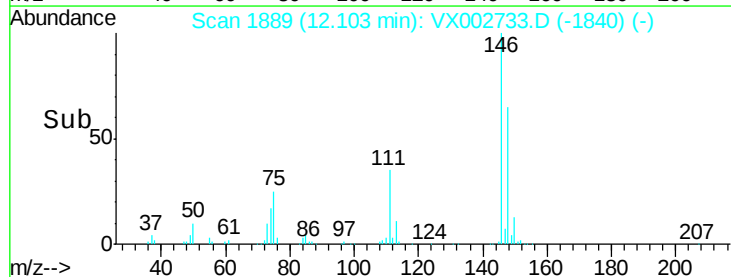
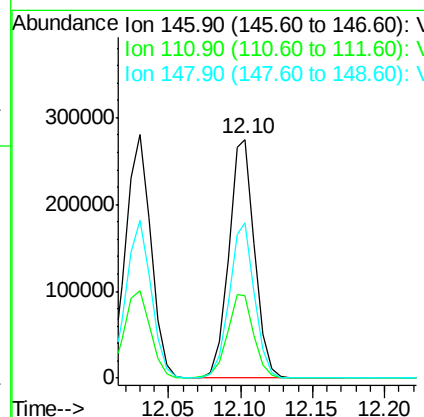
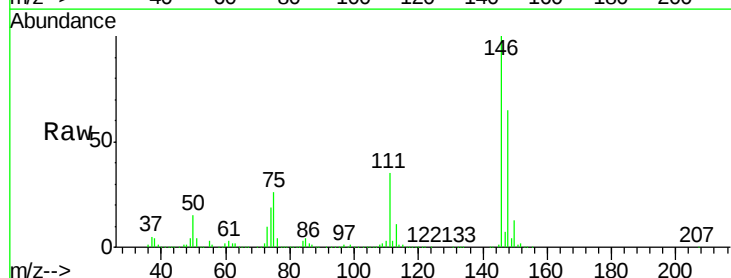
Manual Integrations
 APPROVED

apatel
 6/22/2018 8:07:41 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.25 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002733.D
 Acq: 20 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.7	56.1
148	63.8	32.4	97.0





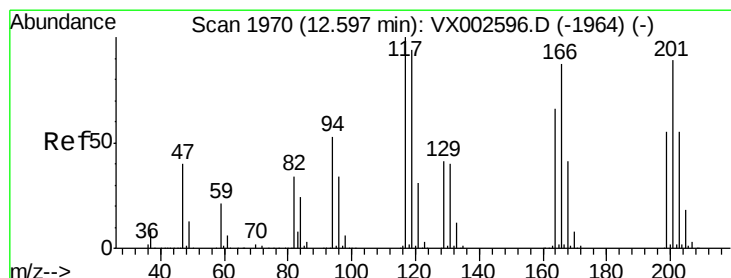
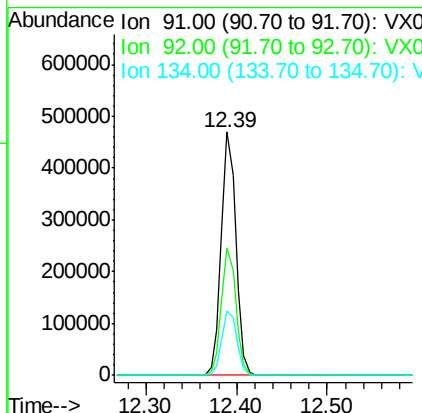
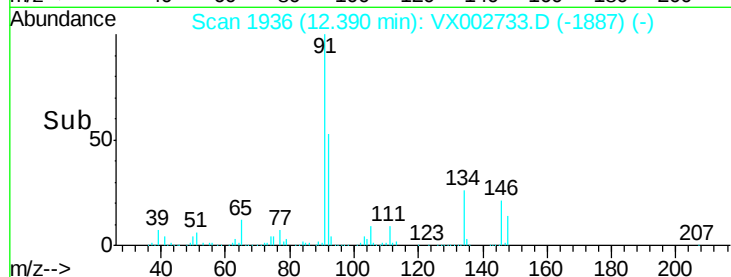
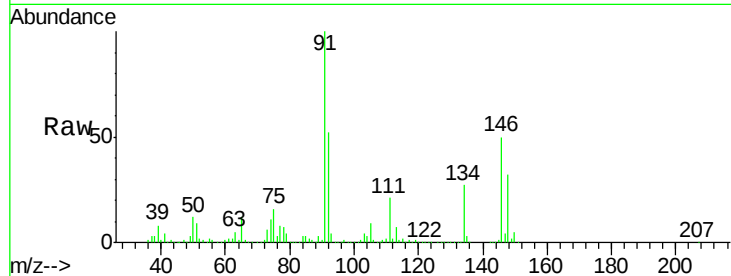
#89
n-Butylbenzene
Concen: 48.93 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.0	78.0
134	27.3	13.5	40.5

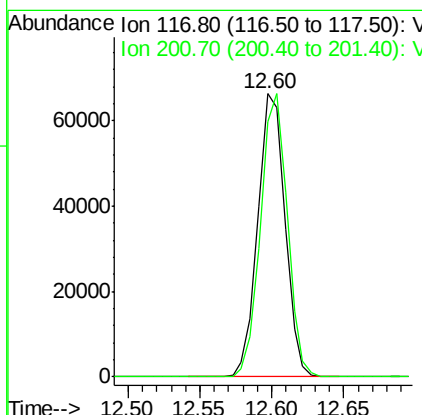
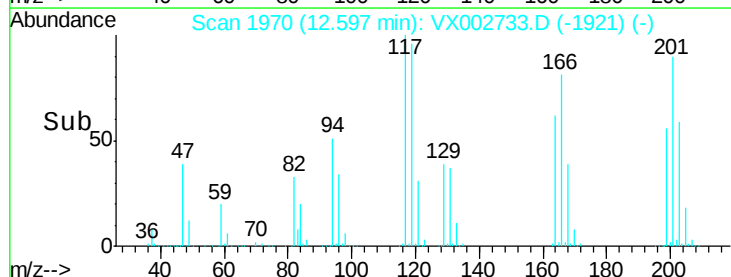
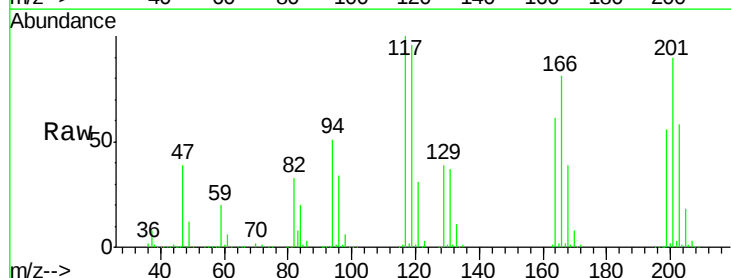
Manual Integrations
APPROVED

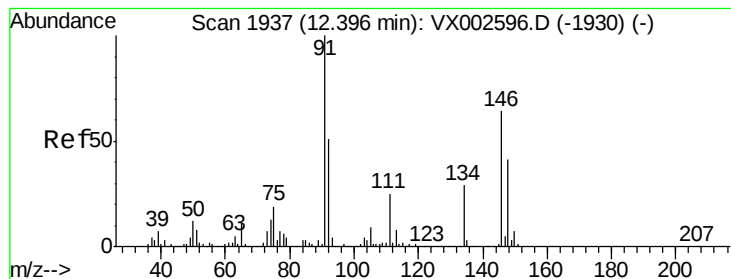
apatel
6/22/2018 8:07:41 AM



#90
Hexachloroethane
Concen: 45.12 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.1	49.0	147.0





#91

1,2-Dichlorobenzene

Concen: 49.05 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_X

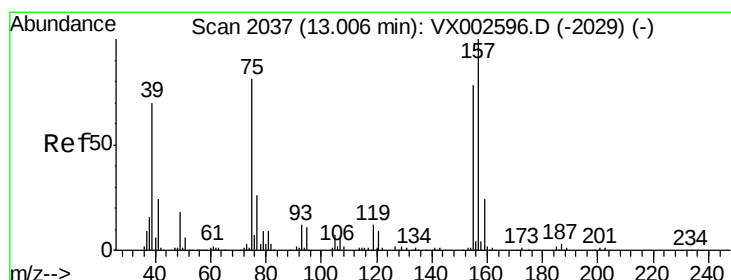
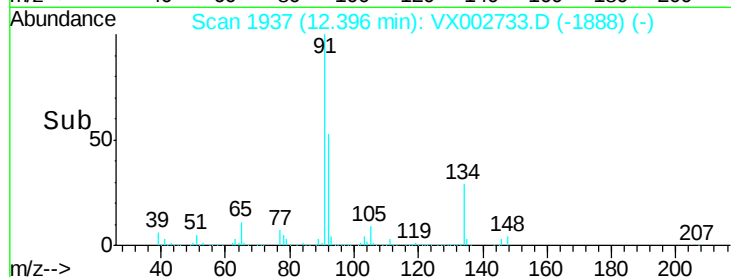
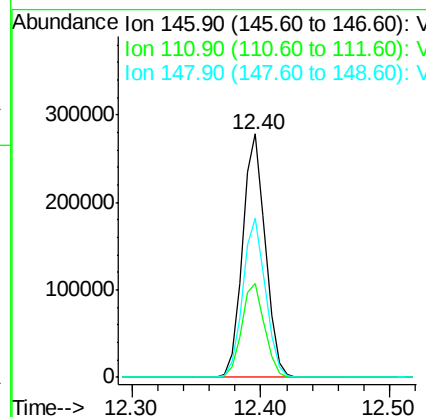
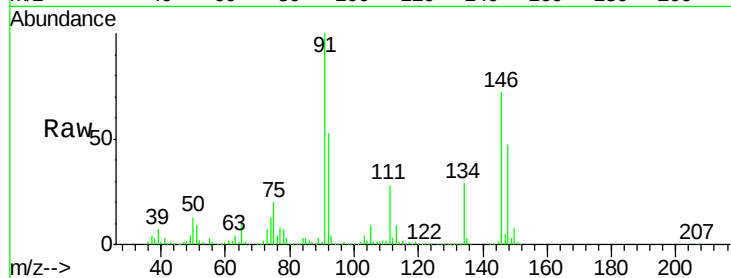
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	339728		
111	38.9	19.4	58.1	
148	65.0	31.7	95.1	

Manual Integrations
APPROVED

apatel
6/22/2018 8:07:41 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.29 ug/l

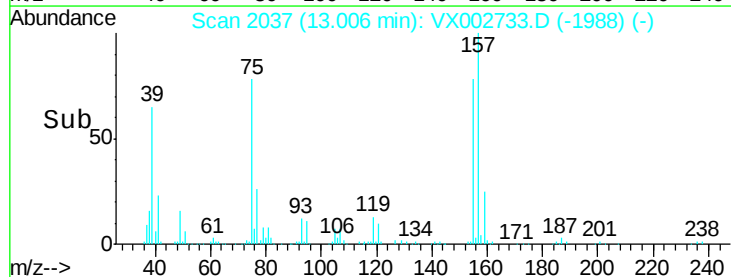
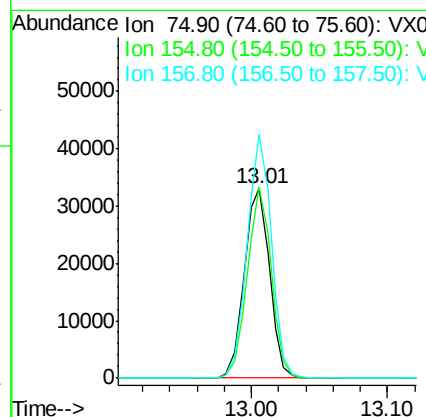
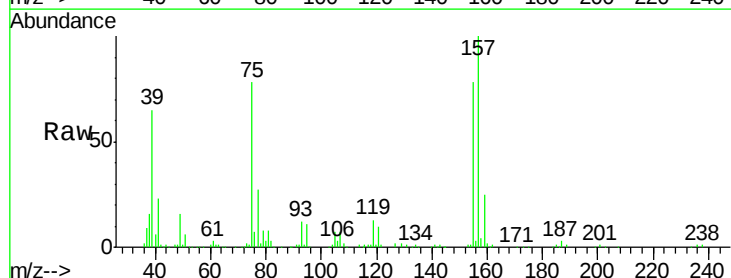
RT: 13.01 min Scan# 2037

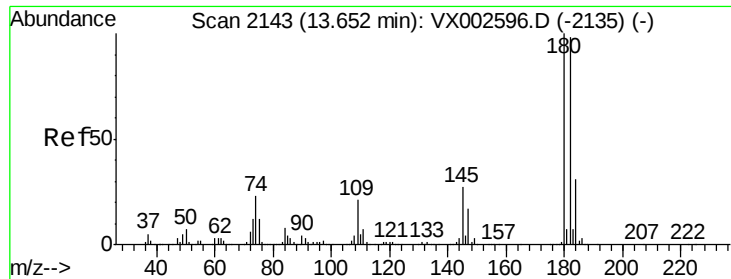
Delta R.T. 0.00 min

Lab File: VX002733.D

Acq: 20 Jun 2018 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	42736		
155	96.0	45.8	137.4	
157	123.6	60.1	180.3	





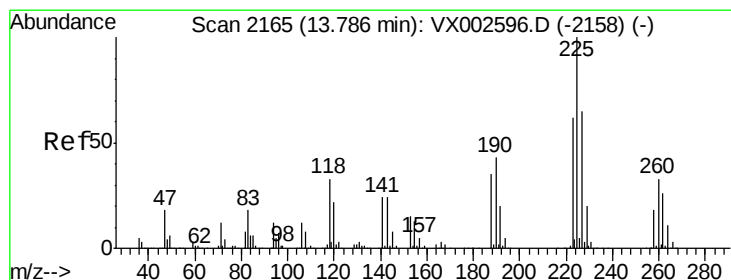
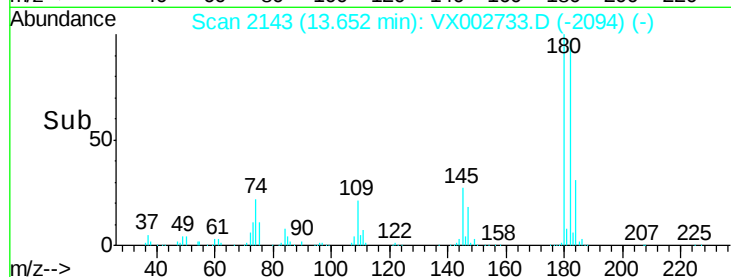
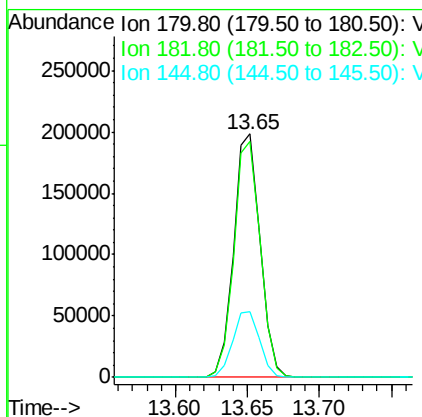
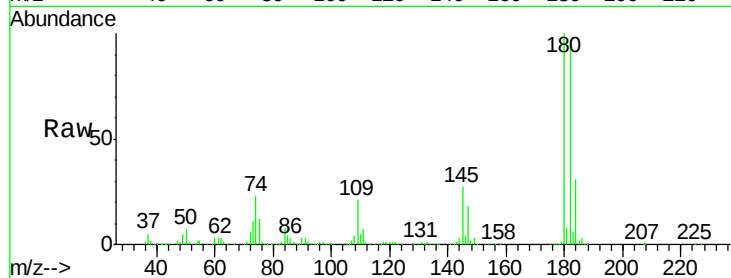
#93
 1,2,4-Trichlorobenzene
 Concen: 50.41 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002733.D
 Acq: 20 Jun 2018 10:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.7	143.1
145	27.8	14.1	42.4

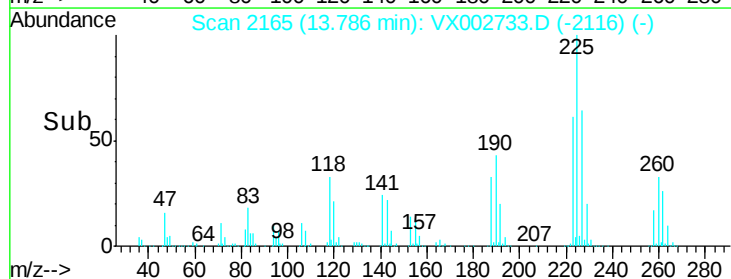
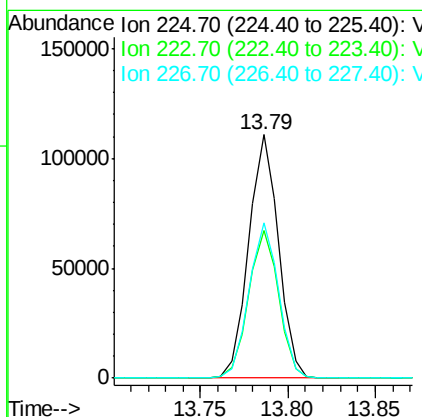
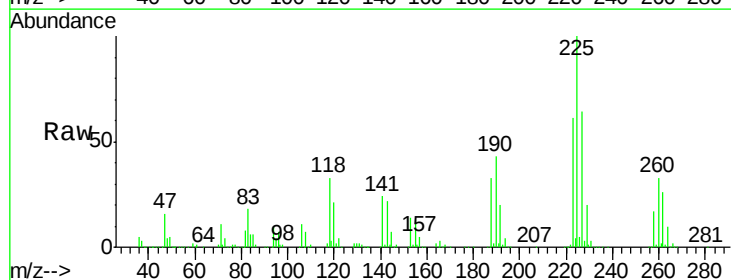
Manual Integrations
 APPROVED

apatel
 6/22/2018 8:07:41 AM



#94
 Hexachlorobutadiene
 Concen: 49.47 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002733.D
 Acq: 20 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	31.6	95.0
227	63.4	32.4	97.2





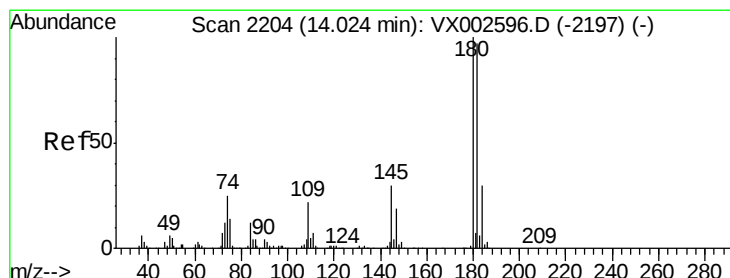
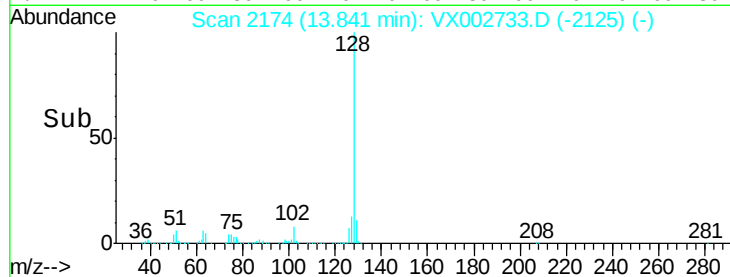
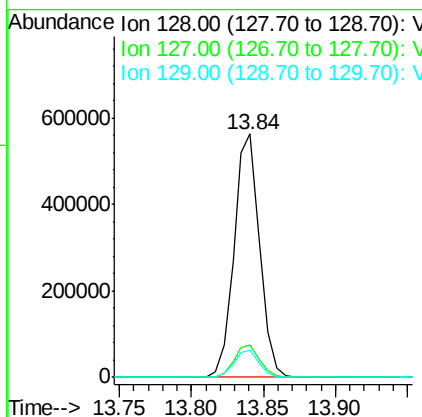
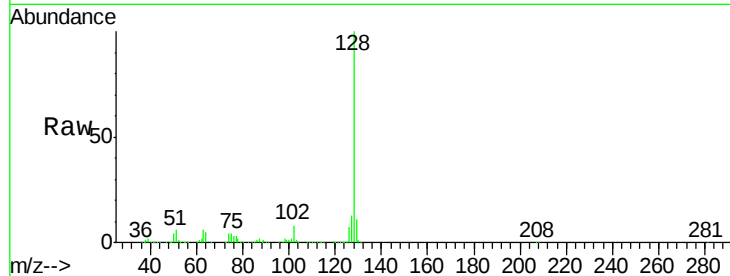
#95
Naphthalene
Concen: 51.22 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

apatel
6/22/2018 8:07:41 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.63 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX002733.D
Acq: 20 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.0	144.0
145	28.8	14.8	44.3

