

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032118\
 Data File : VX000394.D
 Acq On : 21 Mar 2018 19:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 3/22/2018 2:44:33 PM

Quant Time: Mar 22 07:40:05 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	114302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	186239	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	189297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	110924	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	77964	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
35) Dibromofluoromethane	5.51	113	61491	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
50) Toluene-d8	8.73	98	247224	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
62) 4-Bromofluorobenzene	11.15	95	90700	44.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	55947	44.41	ug/l	97
3) Chloromethane	1.32	50	59668	44.96	ug/l	99
4) Vinyl Chloride	1.41	62	69186	49.34	ug/l	97
5) Bromomethane	1.64	94	108645	64.70	ug/l	98
6) Chloroethane	1.73	64	45778	54.48	ug/l	97
7) Trichlorofluoromethane	1.93	101	123665	48.86	ug/l	99
8) Diethyl Ether	2.19	74	44769	49.50	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	67354	47.72	ug/l	99
10) Methyl Iodide	2.52	142	51583	38.01	ug/l	98
11) Tert butyl alcohol	3.07	59	127828	249.07	ug/l	100
12) 1,1-Dichloroethene	2.38	96	63522	51.27	ug/l	97
13) Acrolein	2.30	56	36638	225.12	ug/l	100
14) Allyl chloride	2.73	41	113803	52.01	ug/l	99
15) Acrylonitrile	3.15	53	261852	251.91	ug/l	100
16) Acetone	2.45	43	265550	213.95	ug/l	98
17) Carbon Disulfide	2.57	76	161386	48.97	ug/l	100
18) Methyl Acetate	2.78	43	133742	51.40	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	228137	49.79	ug/l	99
20) Methylene Chloride	2.87	84	70136	48.92	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	67087	48.54	ug/l	96
22) Diisopropyl ether	3.88	45	175663	45.36	ug/l	99
23) Vinyl Acetate	3.84	43	840641	228.96	ug/l	99
24) 1,1-Dichloroethane	3.70	63	126297	51.87	ug/l	100
25) 2-Butanone	4.72	43	334425	239.71	ug/l	100
26) 2,2-Dichloropropane	4.59	77	79676	46.68	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	63651	49.28	ug/l	98
28) Bromochloromethane	5.03	49	50813	50.60	ug/l	99
29) Tetrahydrofuran	5.18	42	218089	254.07	ug/l	99
30) Chloroform	5.23	83	116984	51.26	ug/l	92
31) Cyclohexane	5.59	56	91698	48.71	ug/l	100
32) 1,1,1-Trichloroethane	5.51	97	102987	50.02	ug/l	98
36) 1,1-Dichloropropene	5.81	75	85124	48.79	ug/l	99
37) Ethyl Acetate	4.87	43	114727	48.15	ug/l	99
38) Carbon Tetrachloride	5.79	117	91411	49.95	ug/l	99

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032118\
 Data File : VX000394.D
 Acq On : 21 Mar 2018 19:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 3/22/2018 2:44:33 PM

Quant Time: Mar 22 07:40:05 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	98753	46.55	ug/l	96
40) Benzene	6.15	78	256863	50.70	ug/l	99
41) Methacrylonitrile	5.08	41	60420	48.09	ug/l	98
42) 1,2-Dichloroethane	6.21	62	99969	50.29	ug/l	99
43) Isopropyl Acetate	6.48	43	178095	50.21	ug/l	99
44) Trichloroethene	7.23	130	70230	48.39	ug/l	88
45) 1,2-Dichloropropane	7.52	63	65402	50.43	ug/l	100
46) Dibromomethane	7.67	93	50896	50.00	ug/l	98
47) Bromodichloromethane	7.91	83	95213	53.17	ug/l	100
48) Methyl methacrylate	7.79	41	90219	52.39	ug/l	99
49) 1,4-Dioxane	7.77	88	34440	951.43	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	710386	258.73	ug/l	99
52) Toluene	8.79	92	176156	49.74	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	104444	50.33	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	104410	51.87	ug/l	100
55) 1,1,2-Trichloroethane	9.23	97	73668	50.58	ug/l	95
56) Ethyl methacrylate	9.19	69	112702	51.07	ug/l	98
57) 1,3-Dichloropropane	9.38	76	119660	51.37	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	279555	263.92	ug/l	99
59) 2-Hexanone	9.51	43	589382	252.81	ug/l	99
60) Dibromochloromethane	9.59	129	79672	46.54	ug/l	99
61) 1,2-Dibromoethane	9.68	107	79813	51.10	ug/l	97
64) Tetrachloroethene	9.35	164	73140	49.79	ug/l	89
65) Chlorobenzene	10.15	112	201461	47.82	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	71544	50.01	ug/l	97
67) Ethyl Benzene	10.26	91	349520	48.94	ug/l	99
68) m/p-Xylenes	10.37	106	275997	98.22	ug/l	97
69) o-Xylene	10.71	106	133766	49.16	ug/l	99
70) Styrene	10.72	104	225509	50.09	ug/l	98
71) Bromoform	10.87	173	61490	42.08	ug/l #	98
73) Isopropylbenzene	11.02	105	364566	49.60	ug/l	100
74) N-amyl acetate	6.48	43	178095	55.99	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.28	83	132049	50.80	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	116541m	48.89	ug/l	
77) Bromobenzene	11.27	156	91942	46.96	ug/l	99
78) n-propylbenzene	11.37	91	430087	49.08	ug/l	100
79) 2-Chlorotoluene	11.43	91	247396	48.87	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	309791	50.13	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.09	75	36618	49.73	ug/l	96
82) 4-Chlorotoluene	11.52	91	299349	49.52	ug/l	100
83) tert-Butylbenzene	11.78	119	309860	49.72	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	324623	50.10	ug/l	100
85) sec-Butylbenzene	11.96	105	387986	50.31	ug/l	99
86) p-Isopropyltoluene	12.07	119	350720	51.21	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	177408	47.92	ug/l	98
88) 1,4-Dichlorobenzene	12.11	146	183783	47.29	ug/l	98
89) n-Butylbenzene	12.40	91	313126	49.10	ug/l	99
90) Hexachloroethane	12.60	117	56064	52.01	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	178165	49.09	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	37282	51.43	ug/l	93

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032118\
Data File : VX000394.D
Acq On : 21 Mar 2018 19:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

apatel
3/22/2018 2:44:33 PM

Quant Time: Mar 22 07:40:05 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.66	180	121978	46.88	ug/l	99
94) Hexachlorobutadiene	13.79	225	51108	47.44	ug/l	98
95) Naphthalene	13.85	128	454604	50.16	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	122509	47.65	ug/l	100

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

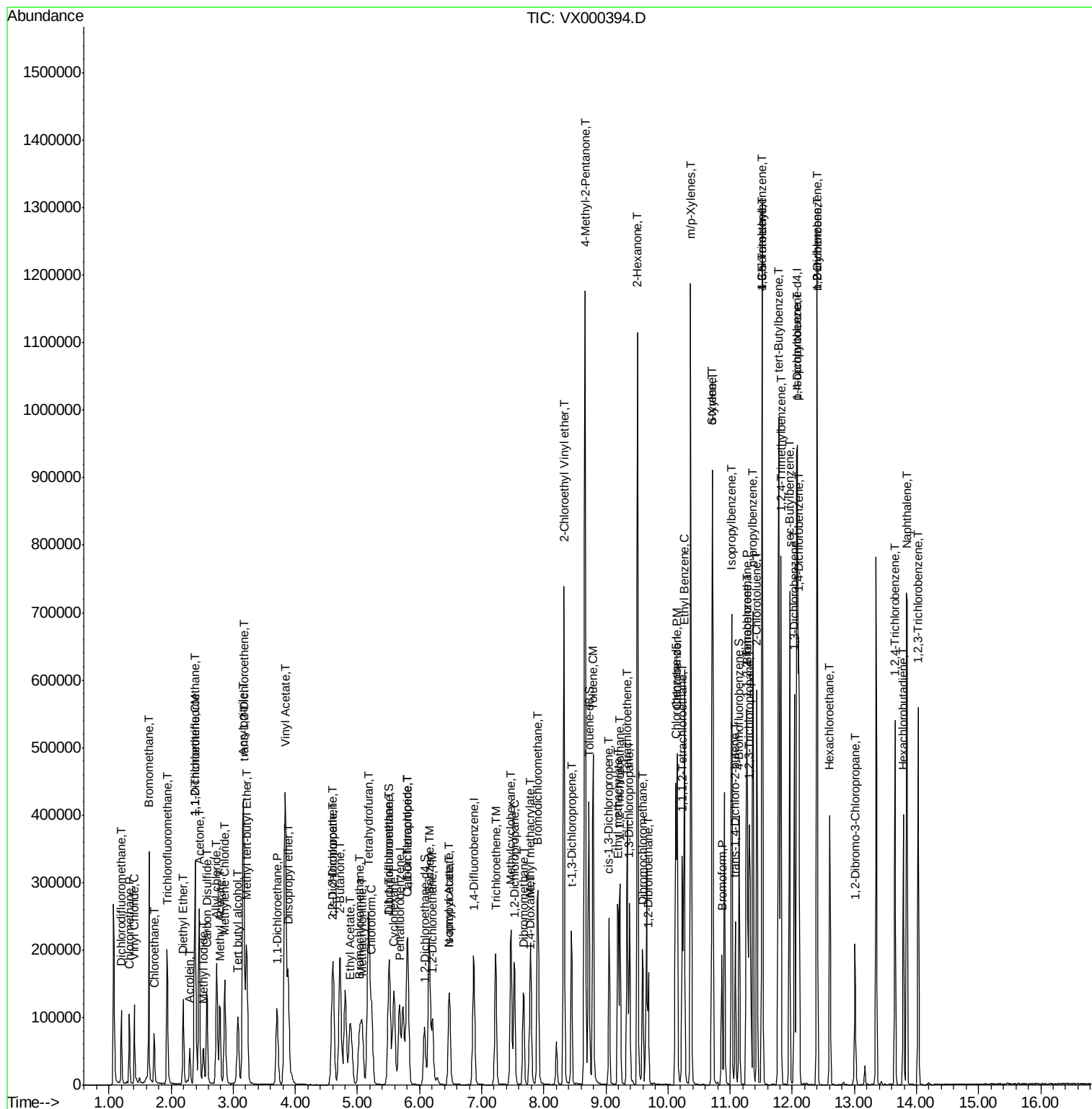
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032118\
Data File : VX000394.D
Acq On : 21 Mar 2018 19:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

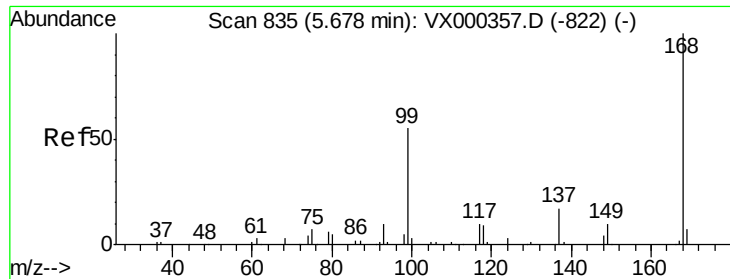
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

apatel
3/22/2018 2:44:33 PM

Quant Time: Mar 22 07:40:05 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 114302

Ion Ratio Lower Upper

168 100

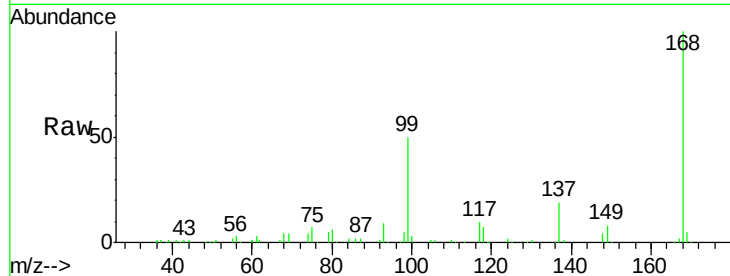
99 50.4 45.8 68.6

Manual Integrations

APPROVED

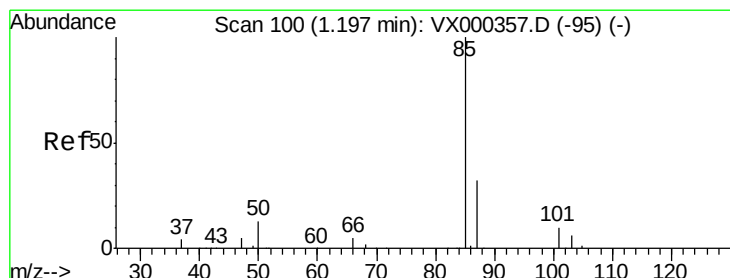
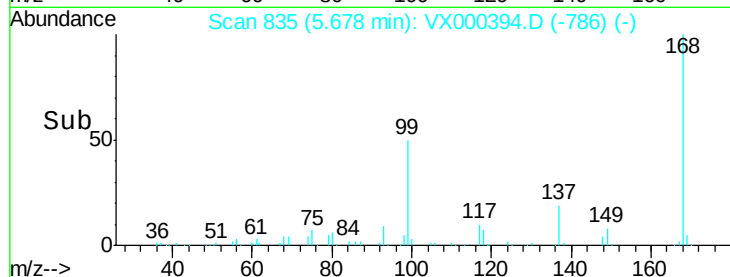
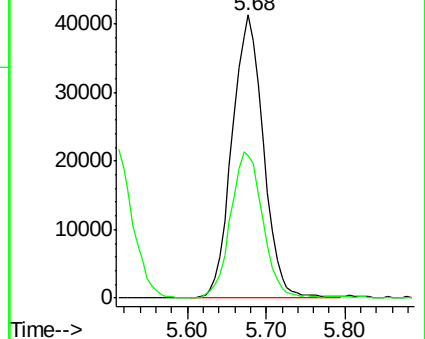
apatel

3/22/2018 2:44:33 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 44.41 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000394.D

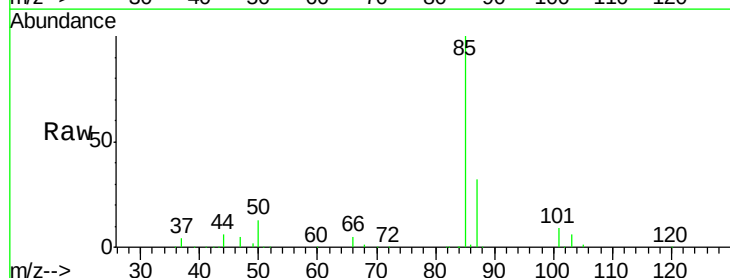
Acq: 21 Mar 2018 19:00

Tgt Ion: 85 Resp: 55947

Ion Ratio Lower Upper

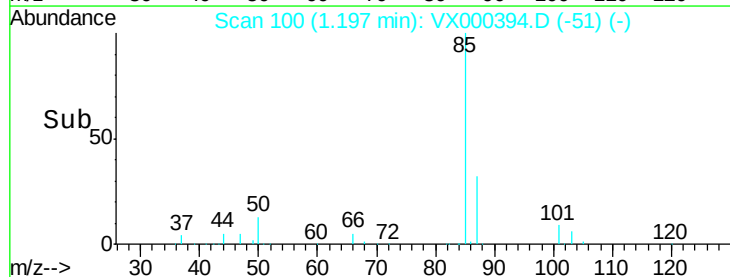
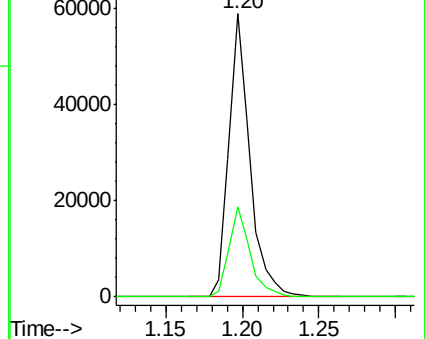
85 100

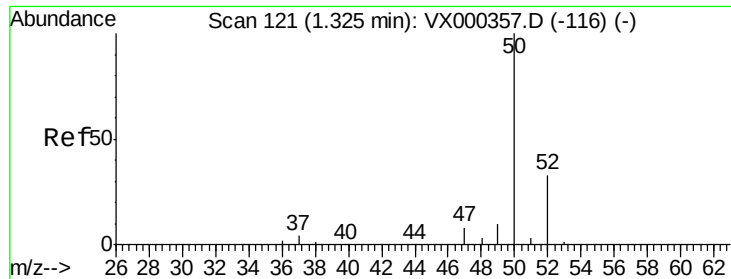
87 31.7 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 44.96 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 50 Resp: 59668

Ion Ratio Lower Upper

50 100

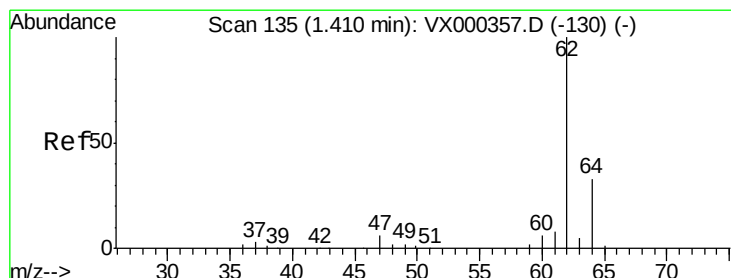
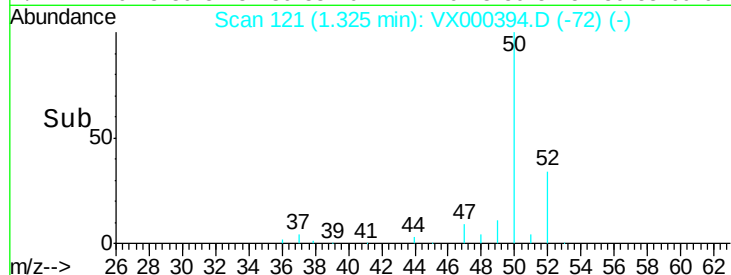
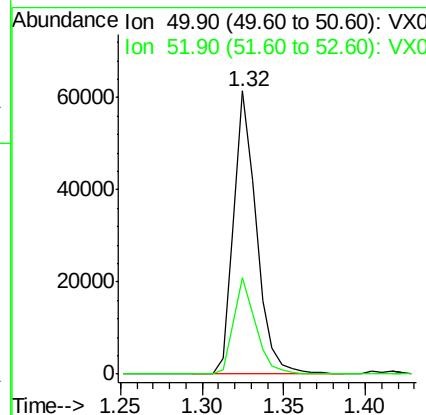
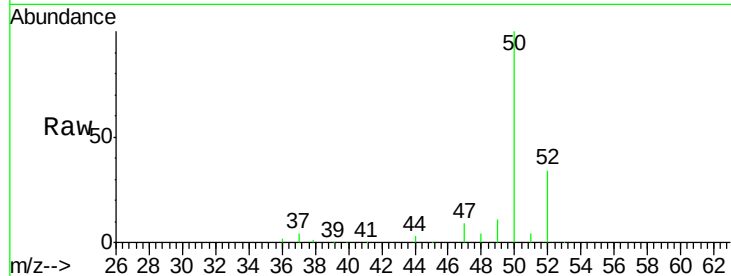
52 34.0 27.5 41.3

Manual Integrations

APPROVED

apatel

3/22/2018 2:44:33 PM



#4

Vinyl Chloride

Concen: 49.34 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX000394.D

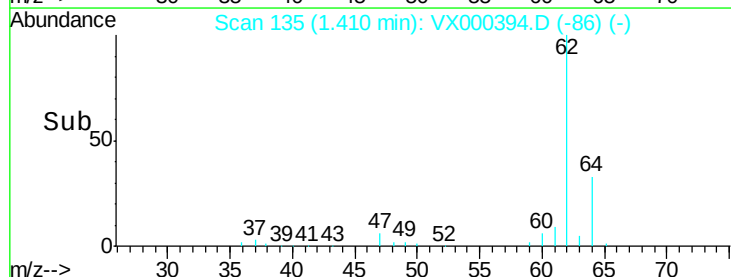
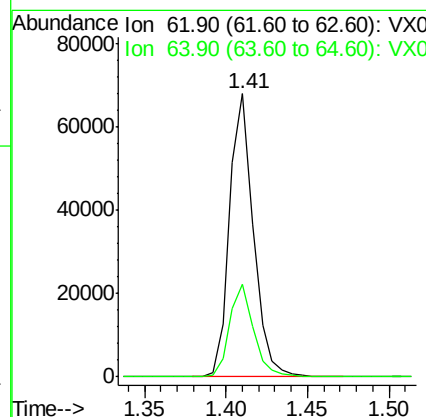
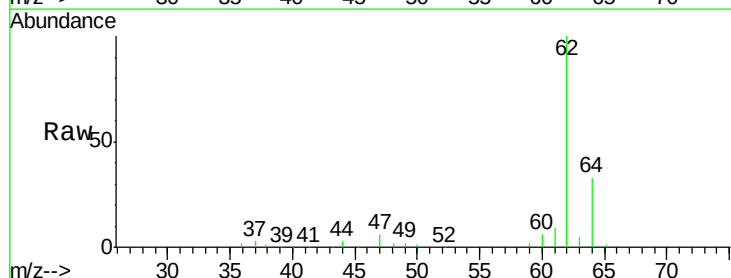
Acq: 21 Mar 2018 19:00

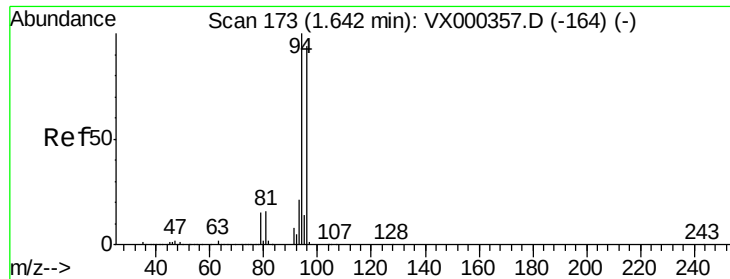
Tgt Ion: 62 Resp: 69186

Ion Ratio Lower Upper

62 100

64 32.7 24.8 37.2





#5

Bromomethane

Concen: 64.70 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 94 Resp: 108645

Ion Ratio Lower Upper

94 100

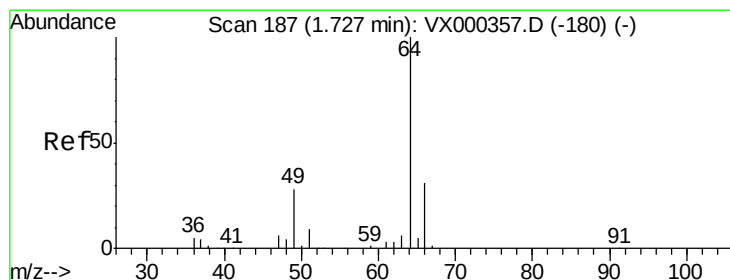
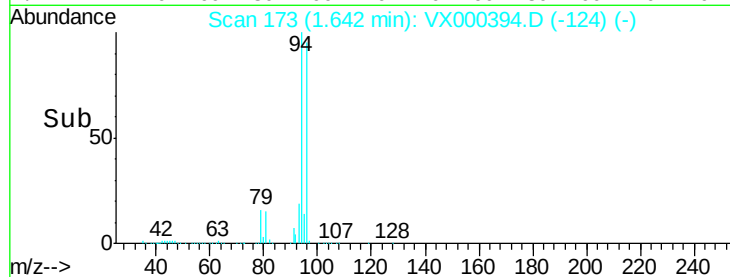
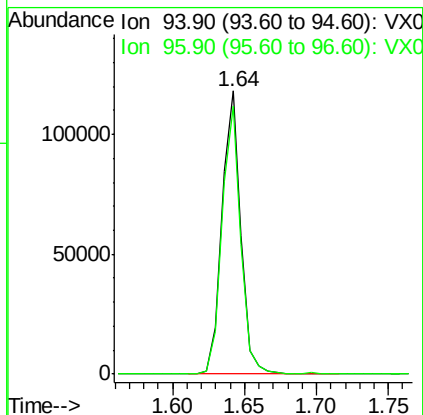
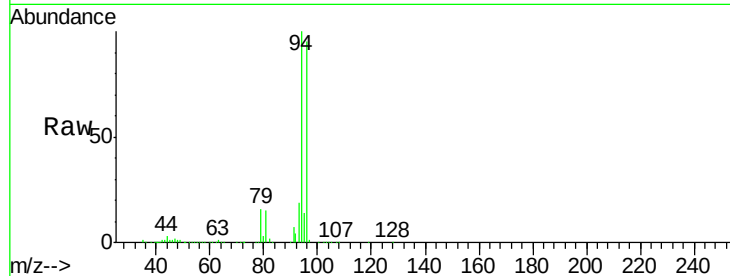
96 94.8 77.7 116.5

Manual Integrations

APPROVED

apatel

3/22/2018 2:44:33 PM



#6

Chloroethane

Concen: 54.48 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX000394.D

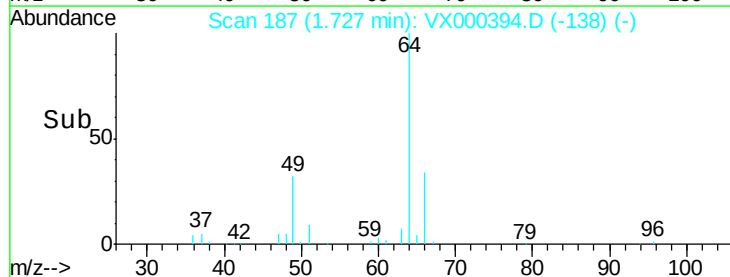
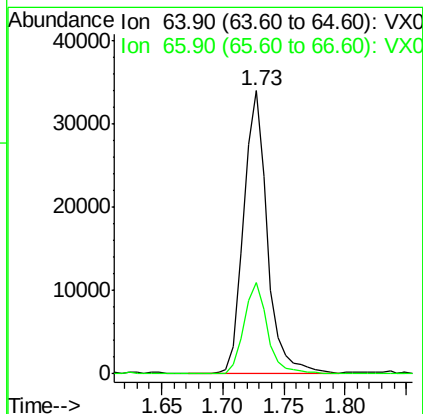
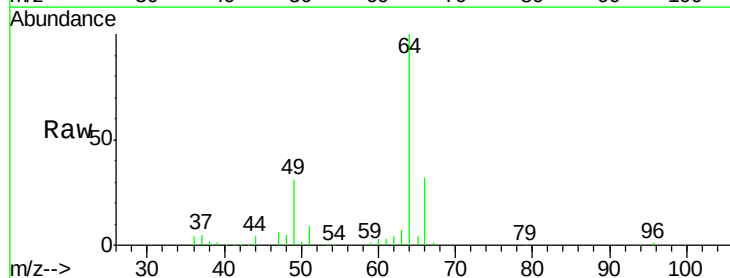
Acq: 21 Mar 2018 19:00

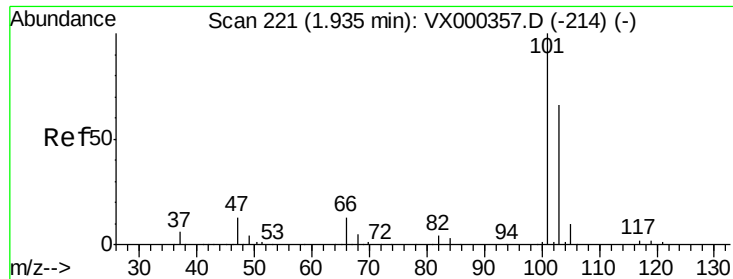
Tgt Ion: 64 Resp: 45778

Ion Ratio Lower Upper

64 100

66 32.5 24.8 37.2





#7

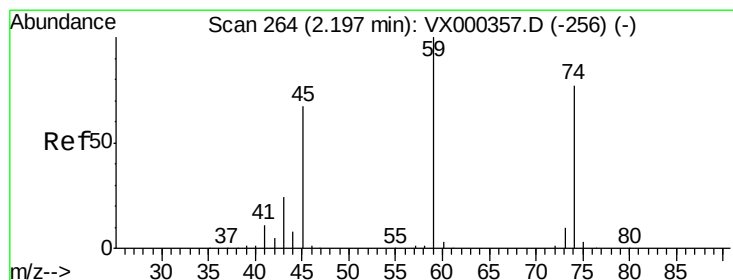
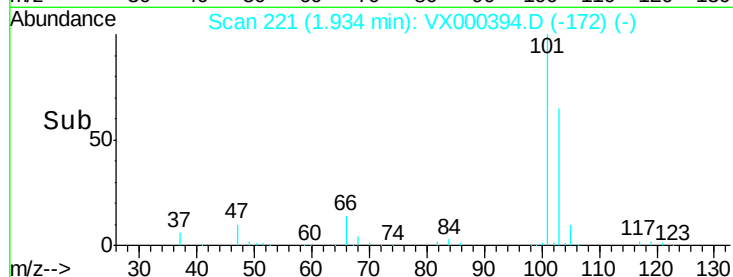
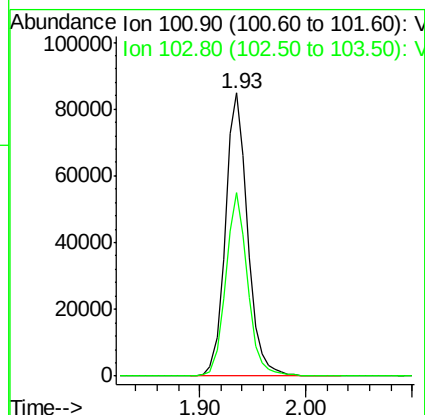
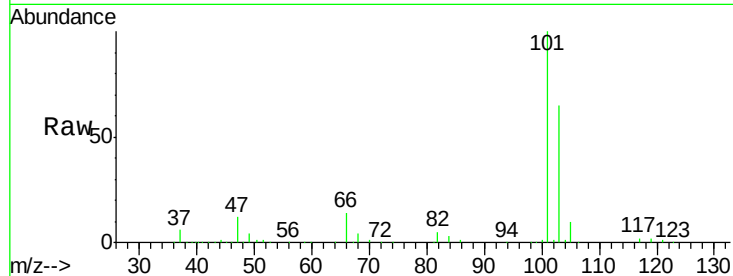
Trichlorofluoromethane
Concen: 48.86 ug/l
RT: 1.93 min Scan# 221
Delta R.T. -0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 123665
Ion Ratio Lower Upper
101 100
103 64.9 51.6 77.4

Manual Integrations
APPROVED

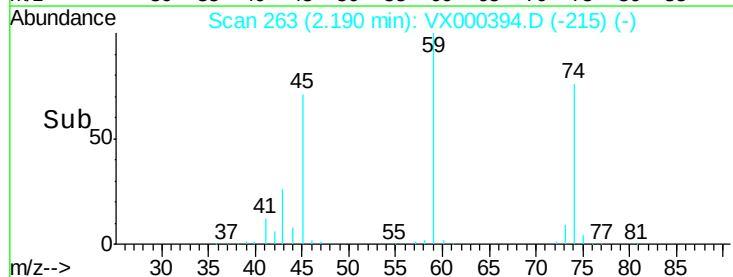
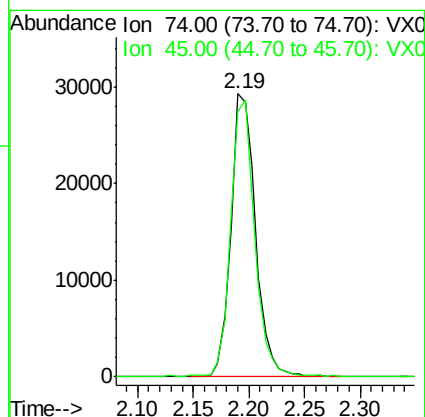
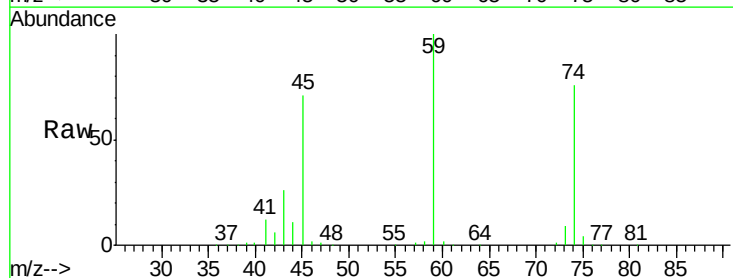
apatel
3/22/2018 2:44:33 PM

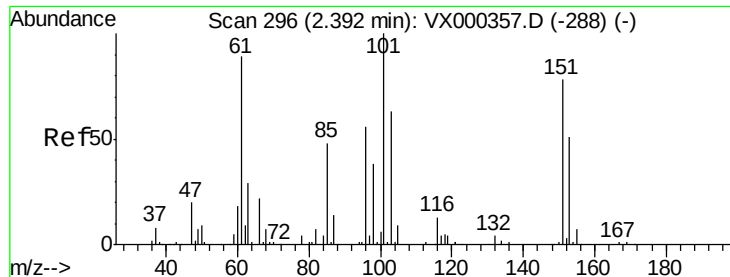


#8

Diethyl Ether
Concen: 49.50 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.01 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Tgt Ion: 74 Resp: 44769
Ion Ratio Lower Upper
74 100
45 96.3 45.1 135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.72 ug/l

RT: 2.39 min Scan# 296

Delta R.T. -0.00 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

Instrument :

MSVOA_X

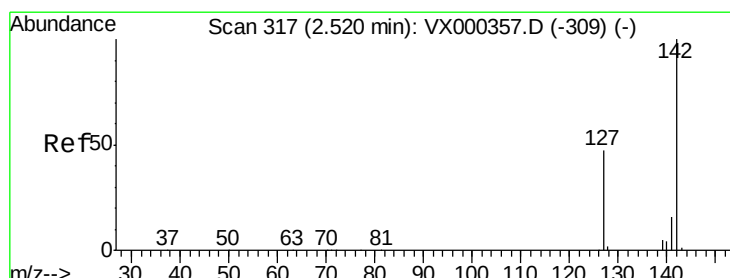
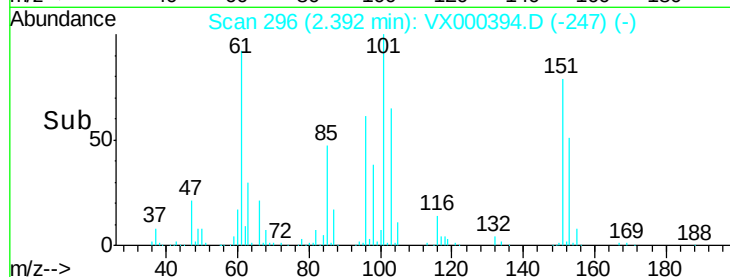
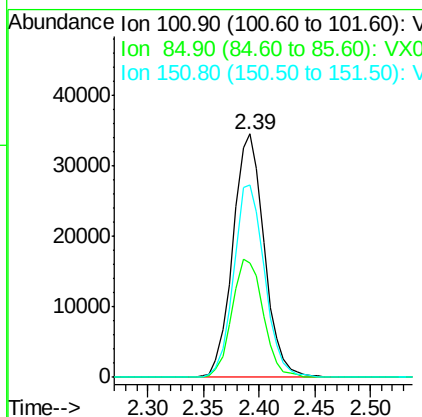
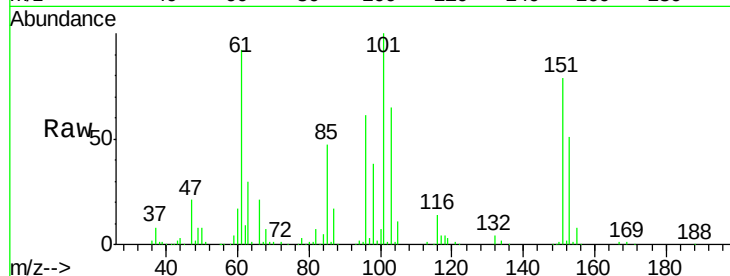
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	67354
Ion Ratio	Lower	Upper	
101	100		
85	48.5	37.6	56.4
151	78.2	62.6	93.8

Manual Integrations
APPROVED

apatel
3/22/2018 2:44:33 PM



#10

Methyl Iodide

Concen: 38.01 ug/l

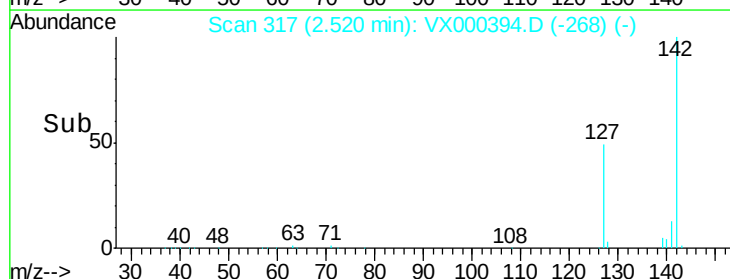
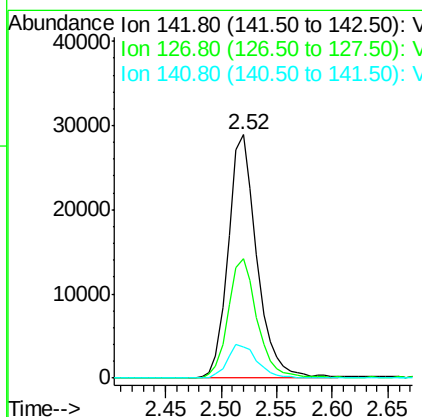
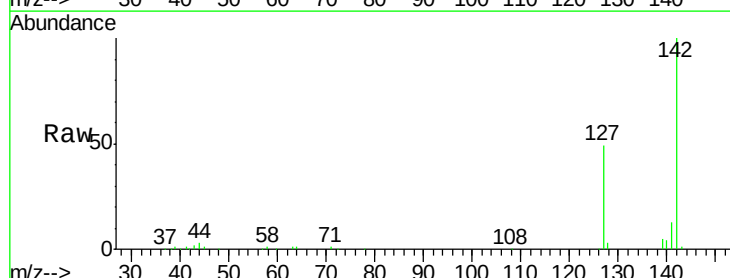
RT: 2.52 min Scan# 317

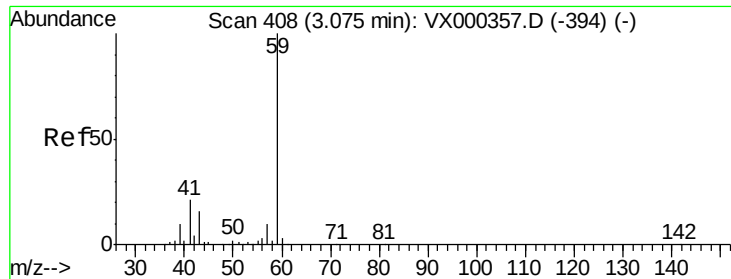
Delta R.T. 0.00 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

Tgt Ion:	142	Resp:	51583
Ion Ratio	Lower	Upper	
142	100		
127	50.4	39.2	58.8
141	14.5	11.7	17.5





#11

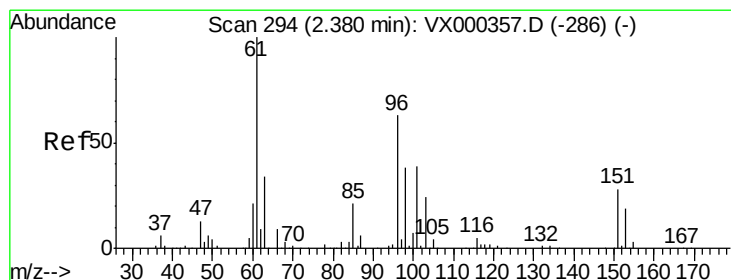
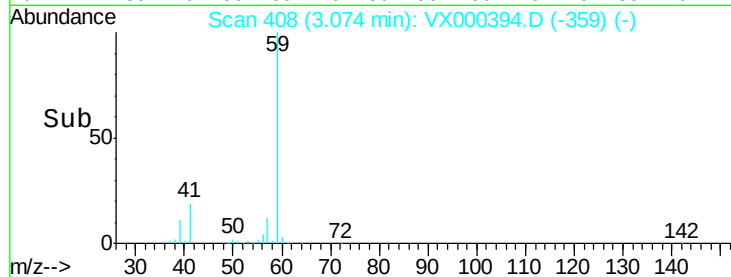
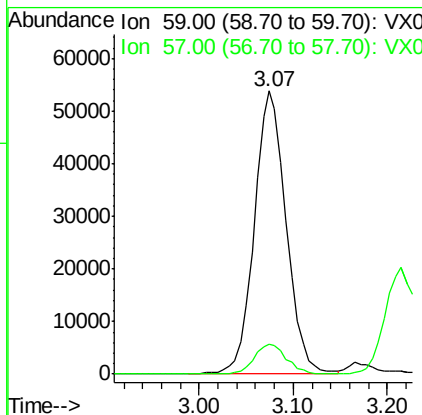
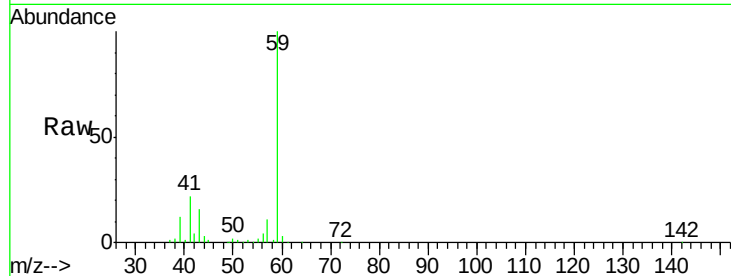
Tert butyl alcohol
 Concen: 249.07 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.00 min
 Lab File: VX000394.D
 Acq: 21 Mar 2018 19:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.4	12.6

Manual Integrations
 APPROVED

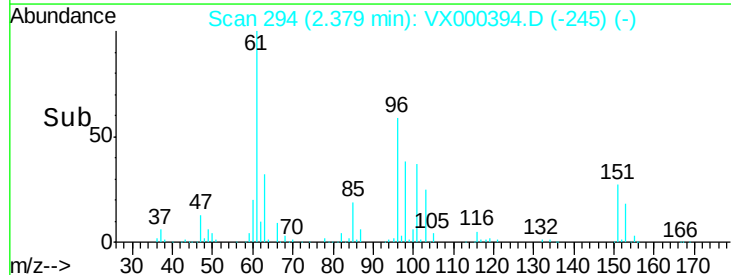
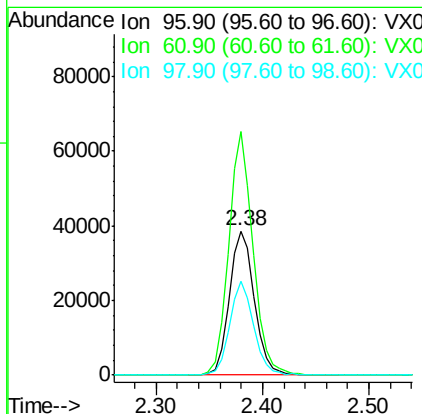
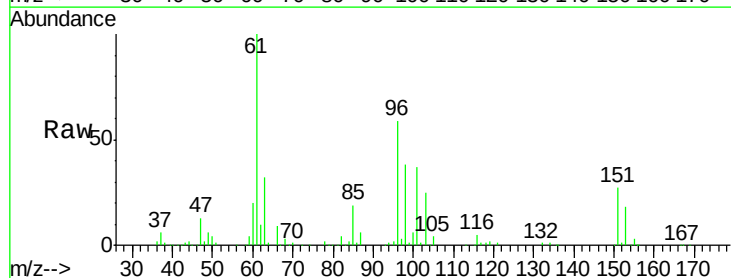
apatel
 3/22/2018 2:44:33 PM

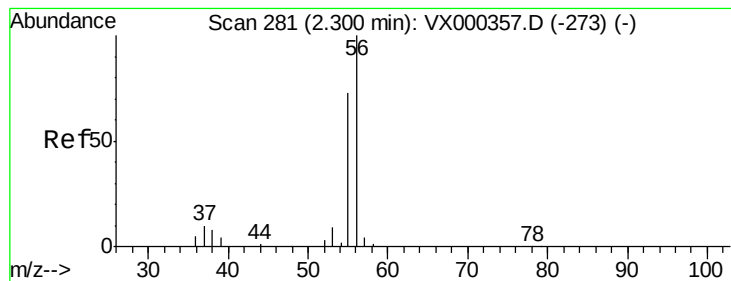


#12

1,1-Dichloroethene
 Concen: 51.27 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. -0.00 min
 Lab File: VX000394.D
 Acq: 21 Mar 2018 19:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.9	131.2	196.8
98	64.7	49.8	74.8





#13

Acrolein

Concen: 225.12 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 56 Resp: 36638

Ion Ratio Lower Upper

56 100

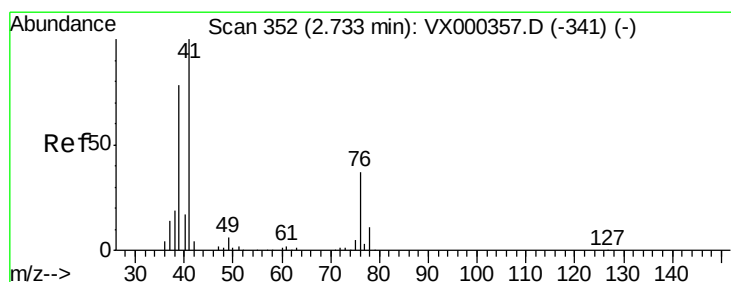
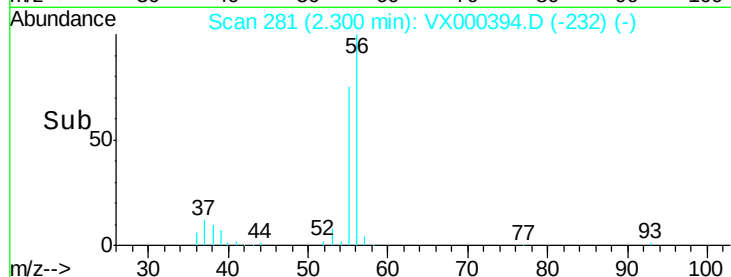
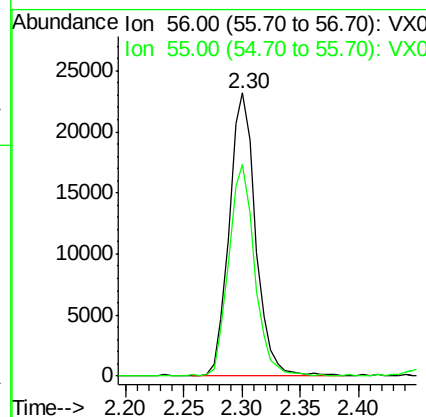
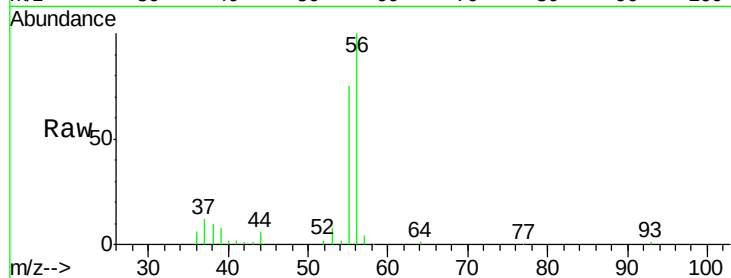
55 73.5 58.8 88.2

Manual Integrations

APPROVED

apatel

3/22/2018 2:44:33 PM



#14

Allyl chloride

Concen: 52.01 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

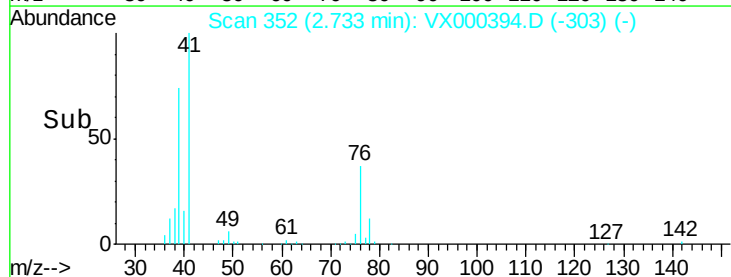
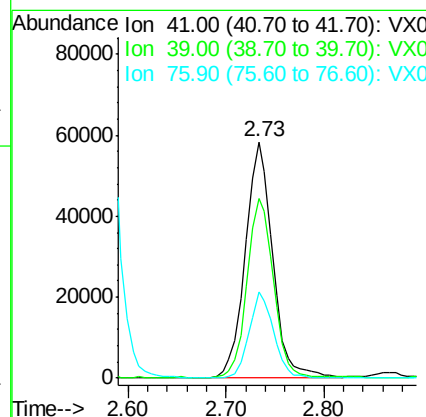
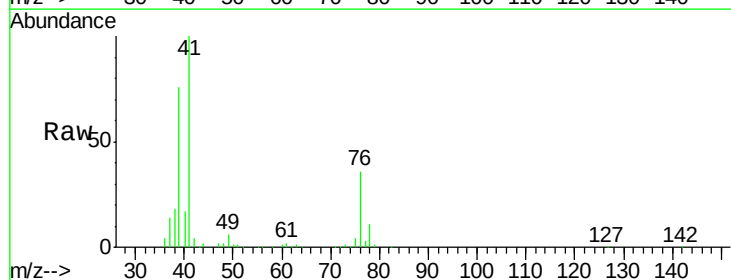
Tgt Ion: 41 Resp: 113803

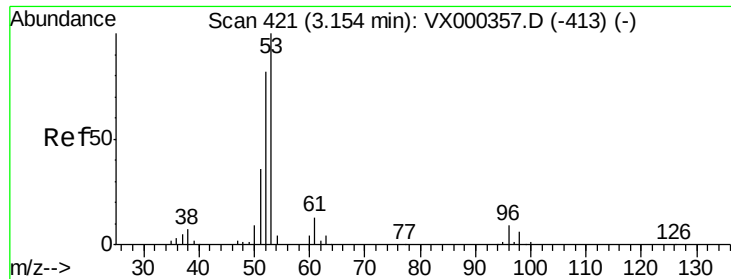
Ion Ratio Lower Upper

41 100

39 72.5 57.6 86.4

76 32.7 27.3 40.9





#15

Acrylonitrile

Concen: 251.91 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

Instrument :

MSVOA_X

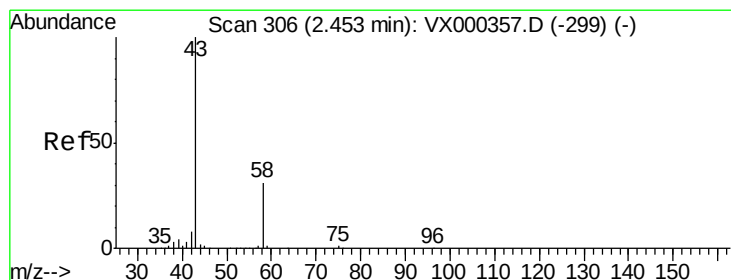
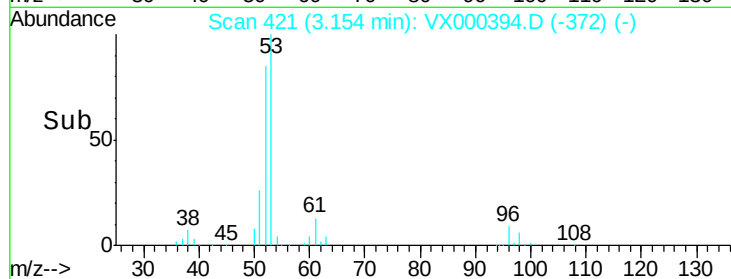
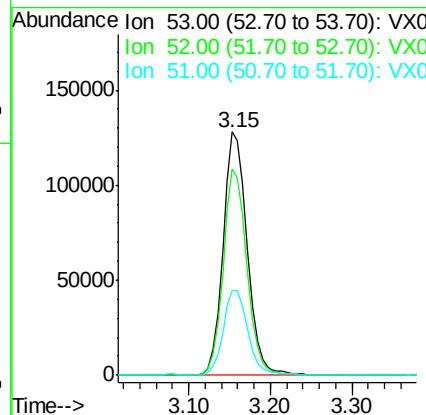
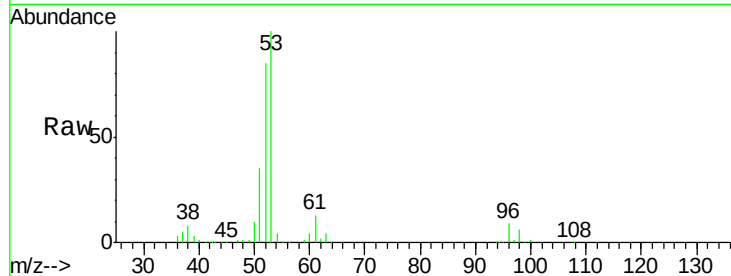
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	261852
Ion Ratio		Lower	Upper
53	100		
52	83.4	66.6	99.8
51	36.3	29.3	43.9

Manual Integrations
APPROVED

apatel
3/22/2018 2:44:33 PM



#16

Acetone

Concen: 213.95 ug/l

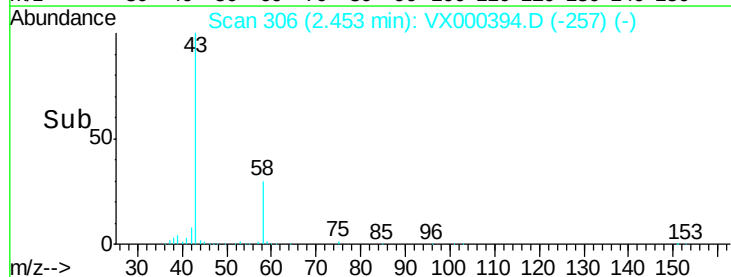
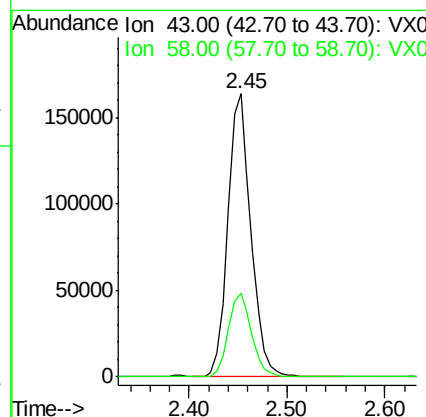
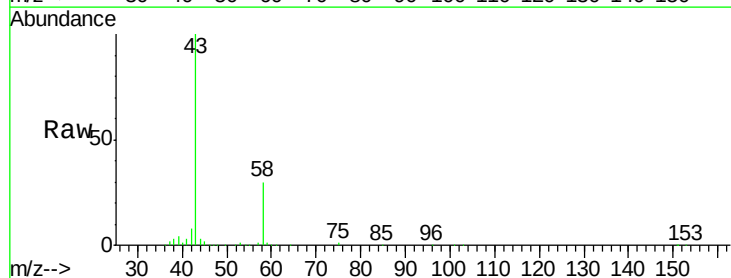
RT: 2.45 min Scan# 306

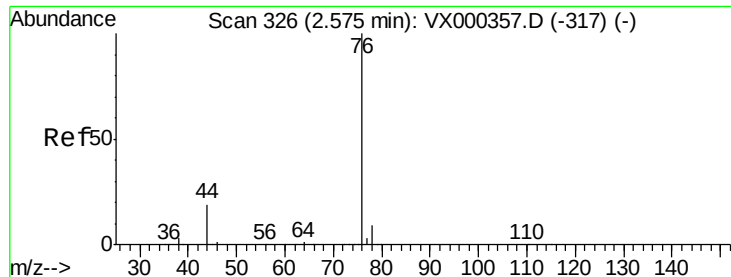
Delta R.T. -0.00 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

Tgt Ion:	43	Resp:	265550
Ion Ratio		Lower	Upper
43	100		
58	29.6	24.7	37.1





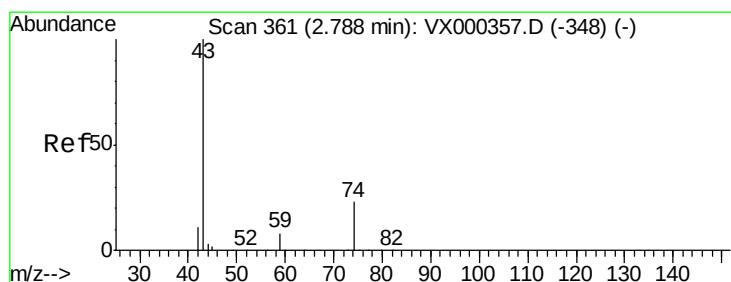
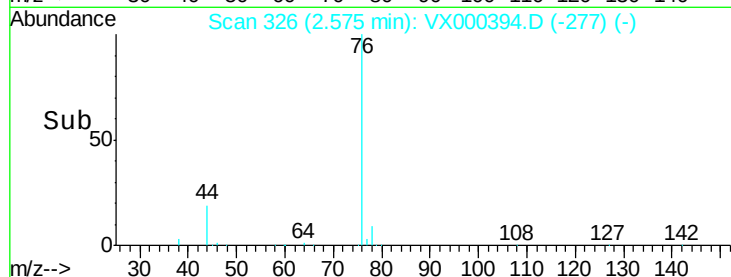
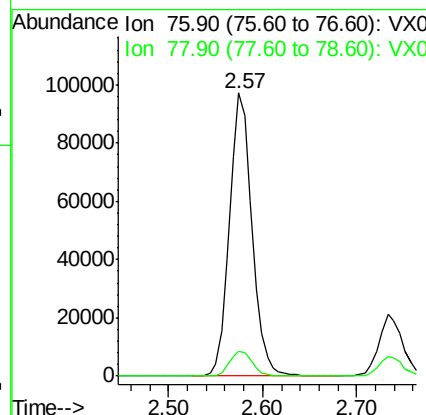
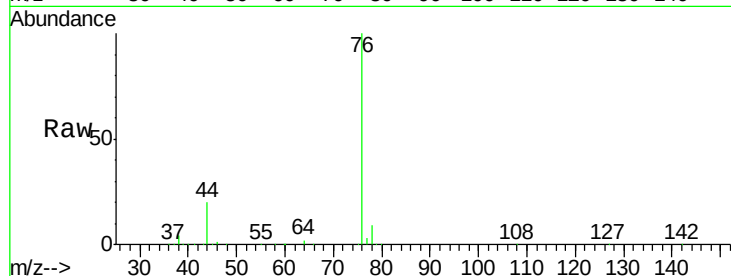
#17
Carbon Disulfide
Concen: 48.97 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

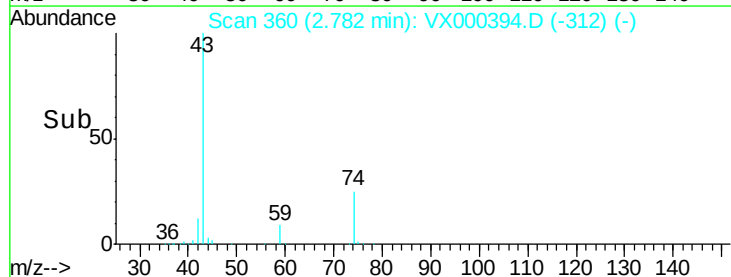
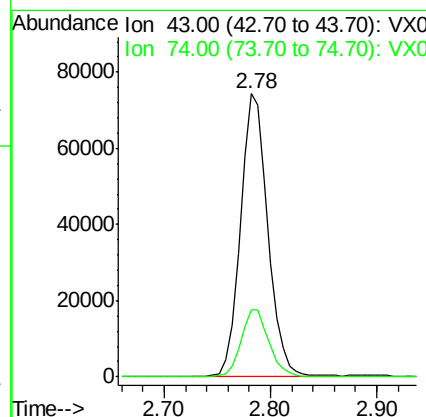
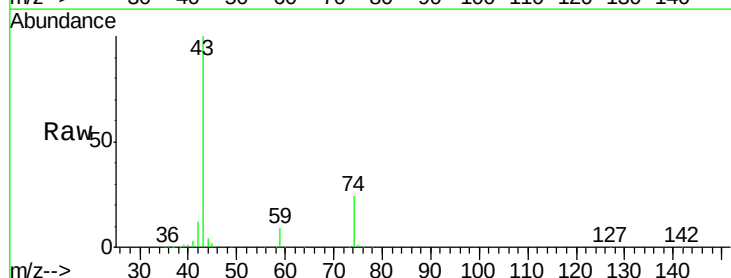
Manual Integrations
APPROVED

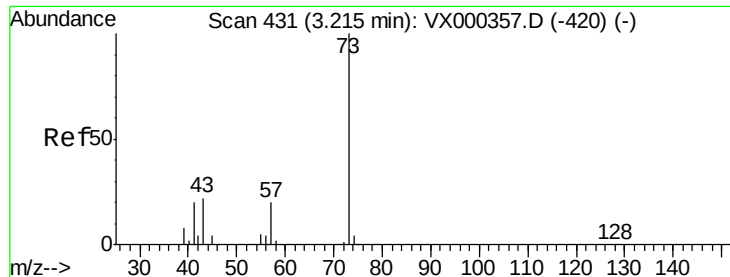
apatel
3/22/2018 2:44:33 PM



#18
Methyl Acetate
Concen: 51.40 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.01 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.4	29.2





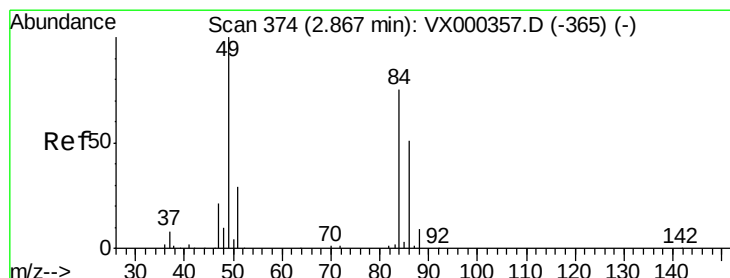
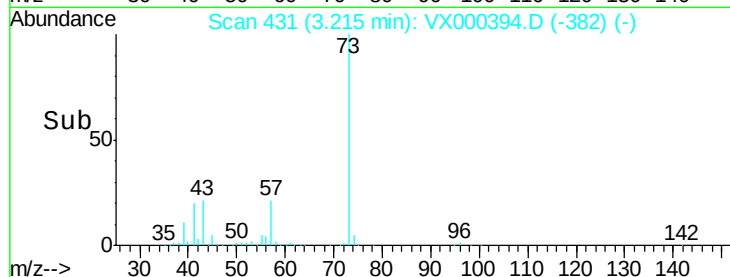
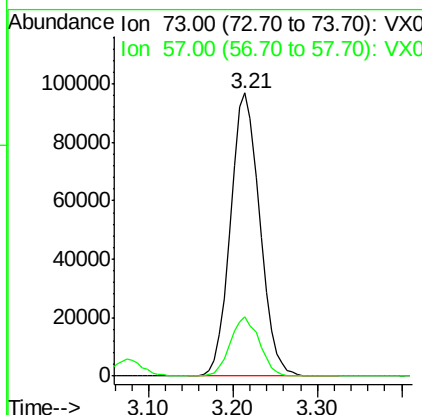
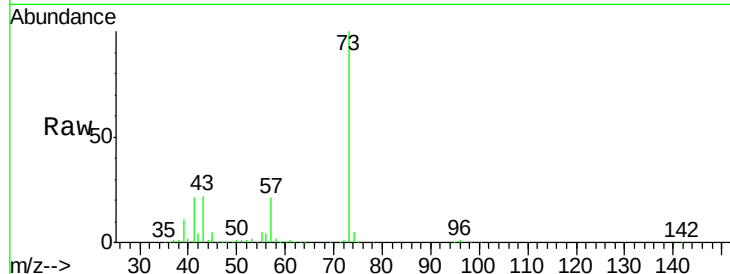
#19
Methyl tert-butyl Ether
Concen: 49.79 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	73	Resp	228137
Ion Ratio	100	Lower	Upper
73	100		
57	21.0	17.2	25.8

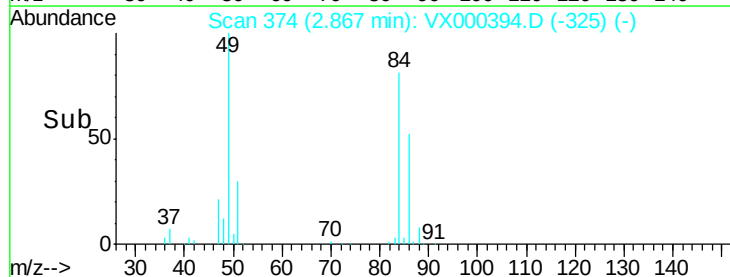
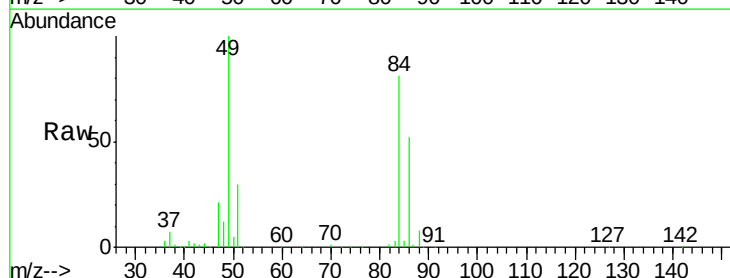
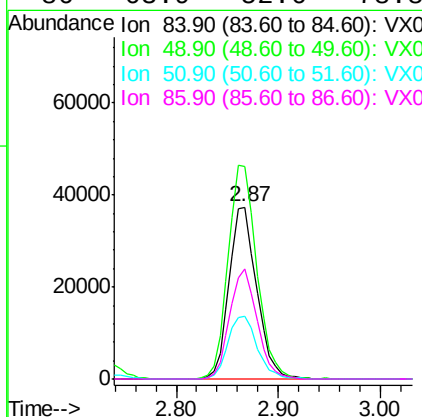
Manual Integrations
APPROVED

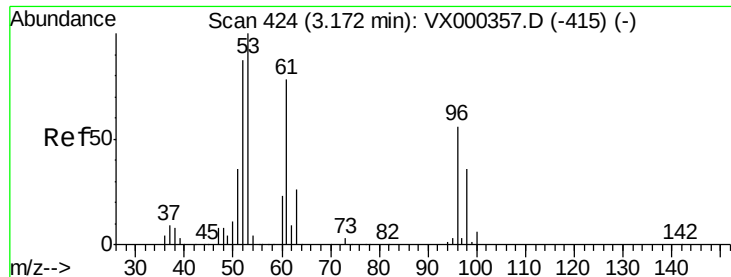
apatel
3/22/2018 2:44:33 PM



#20
Methylene Chloride
Concen: 48.92 ug/l
RT: 2.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Tgt Ion	84	Resp	70136
Ion Ratio	100	Lower	Upper
84	100		
49	123.5	100.6	151.0
51	36.6	31.6	47.4
86	63.9	52.6	78.8





#21

trans-1,2-Dichloroethene

Concen: 48.54 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

Instrument :

MSVOA_X

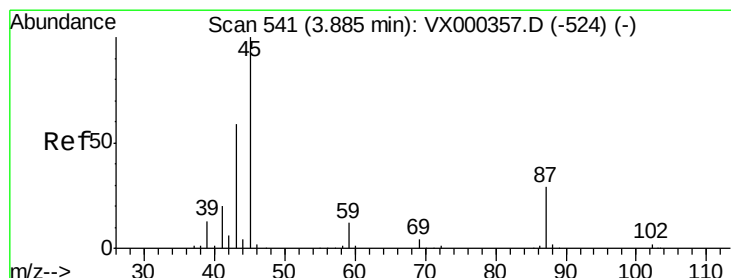
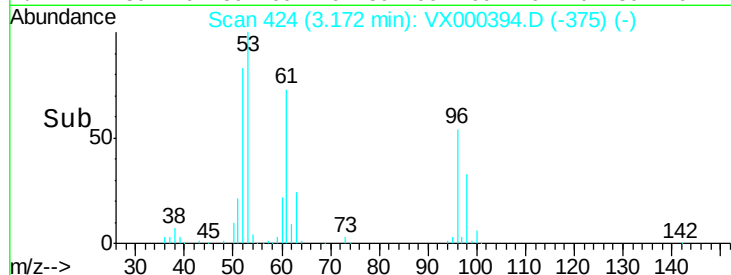
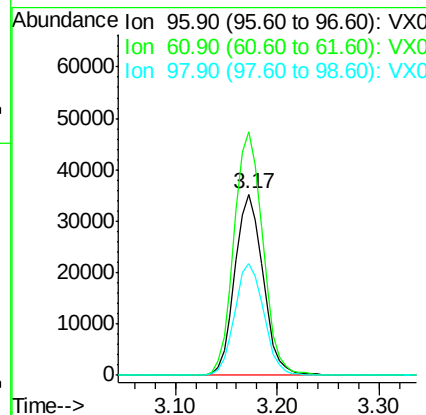
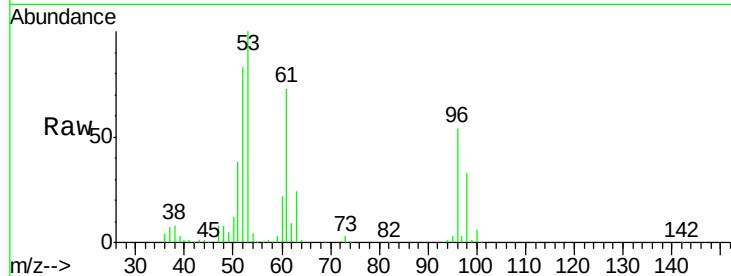
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	67087
Ion	Ratio	Lower	Upper
96	100		
61	134.4	104.0	156.0
98	61.6	52.1	78.1

Manual Integrations
APPROVED

apatel
3/22/2018 2:44:33 PM



#22

Diisopropyl ether

Concen: 45.36 ug/l

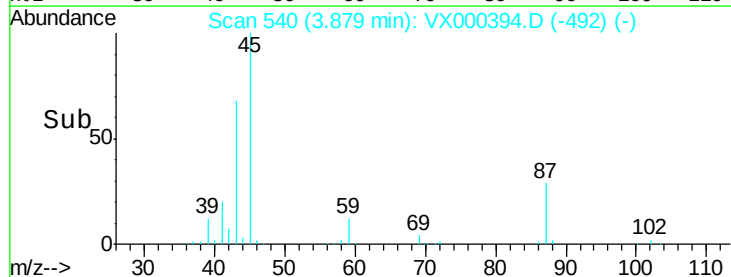
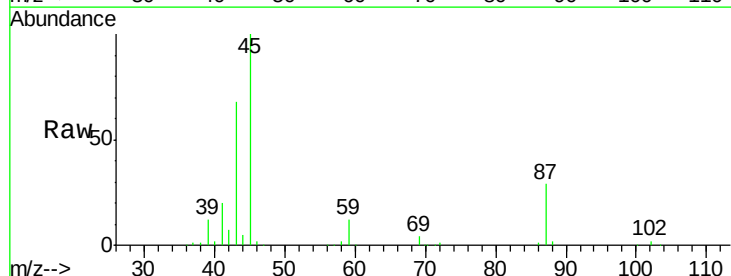
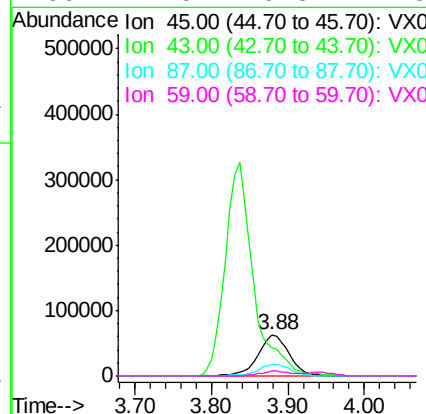
RT: 3.88 min Scan# 540

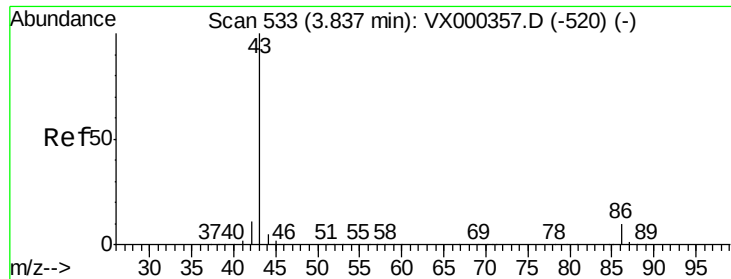
Delta R.T. -0.01 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

Tgt Ion:	45	Resp:	175663
Ion	Ratio	Lower	Upper
45	100		
43	67.0	53.9	80.9
87	29.2	22.6	34.0
59	12.5	9.5	14.3





#23

Vinyl Acetate

Concen: 228.96 ug/l

RT: 3.84 min Scan# 533

Delta R.T. -0.00 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 840641

Ion Ratio Lower Upper

43 100

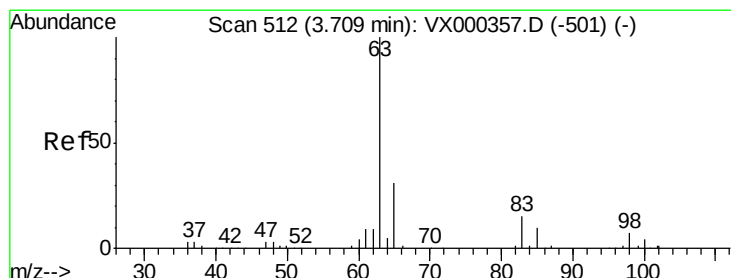
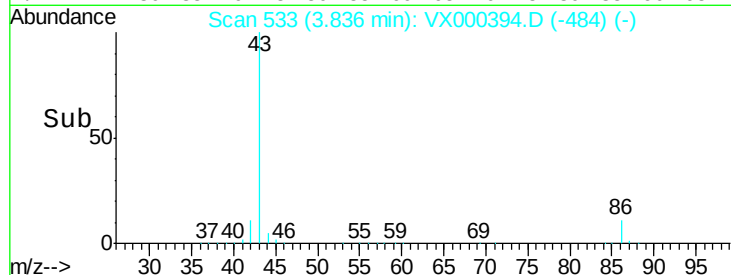
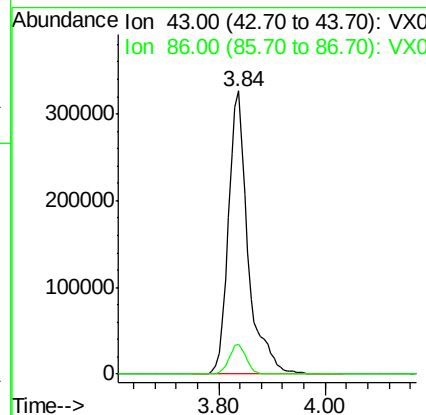
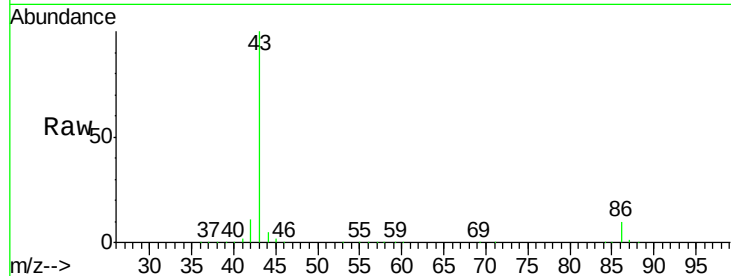
86 10.5 8.6 12.8

Manual Integrations

APPROVED

apatel

3/22/2018 2:44:33 PM



#24

1,1-Dichloroethane

Concen: 51.87 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.01 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

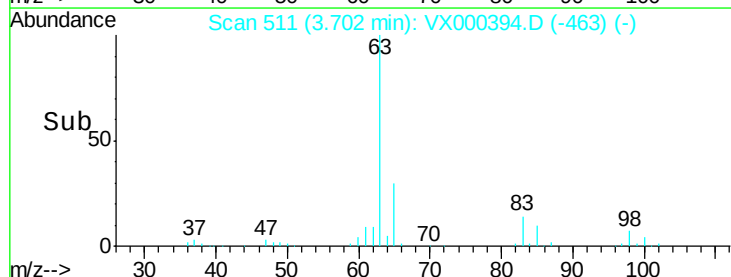
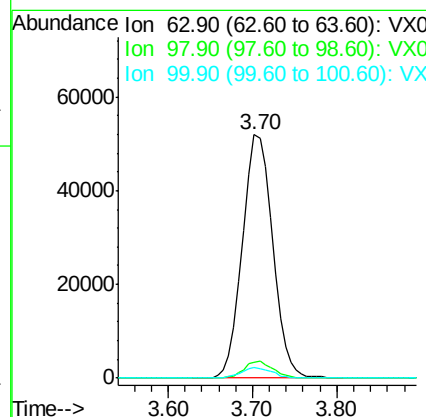
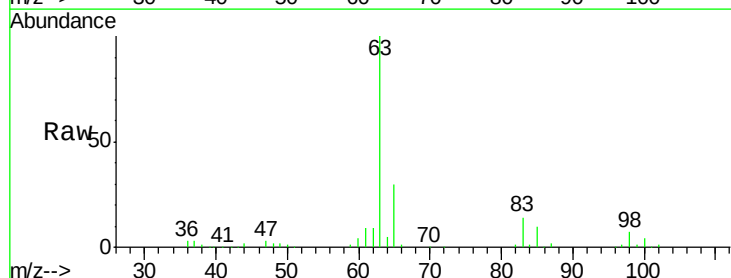
Tgt Ion: 63 Resp: 126297

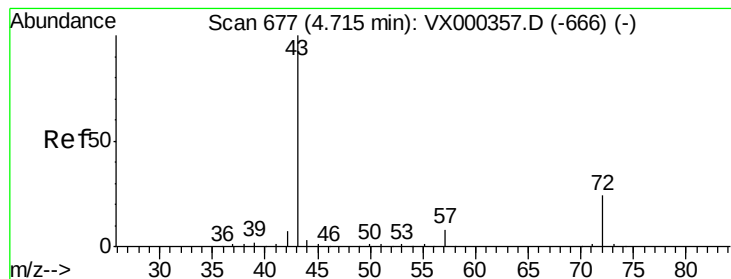
Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

100 4.3 2.0 5.8





#25

2-Butanone

Concen: 239.71 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 334425

Ion Ratio Lower Upper

43 100

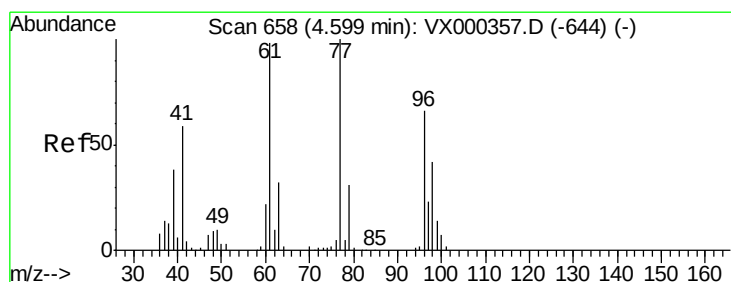
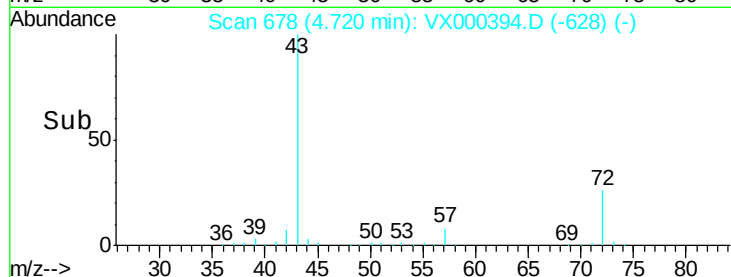
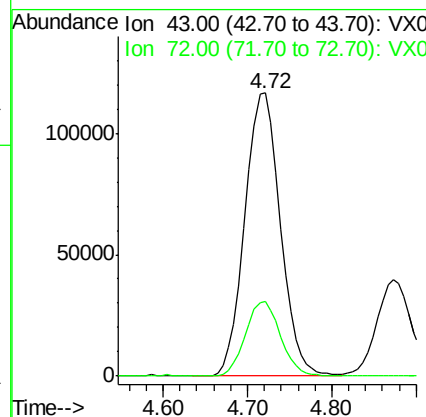
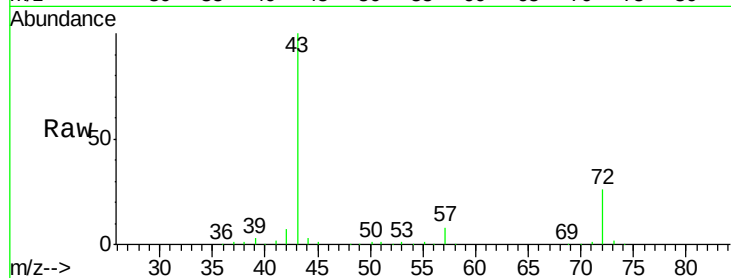
72 26.4 21.0 31.6

Manual Integrations

APPROVED

apatel

3/22/2018 2:44:33 PM



#26

2,2-Dichloropropane

Concen: 46.68 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX000394.D

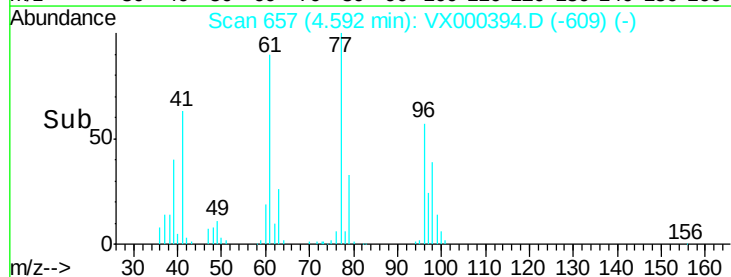
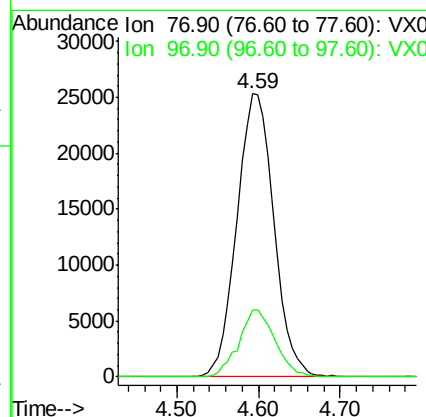
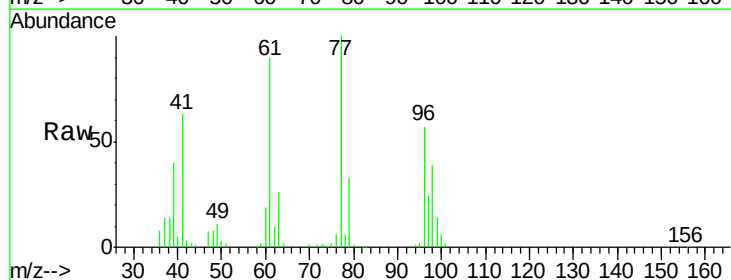
Acq: 21 Mar 2018 19:00

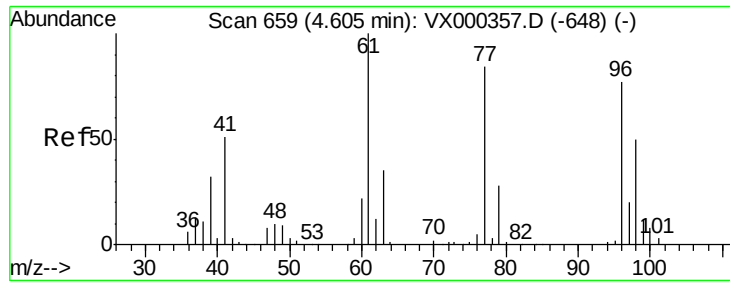
Tgt Ion: 77 Resp: 79676

Ion Ratio Lower Upper

77 100

97 23.3 11.3 33.8





#27

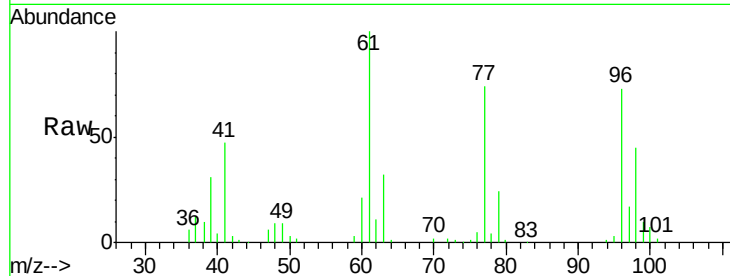
cis-1,2-Dichloroethene
Concen: 49.28 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

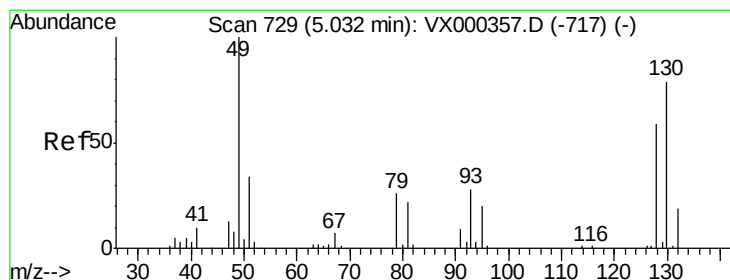
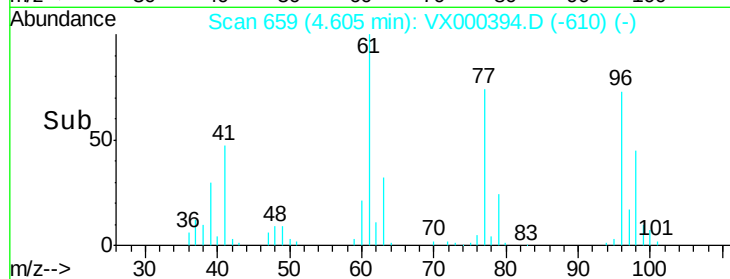
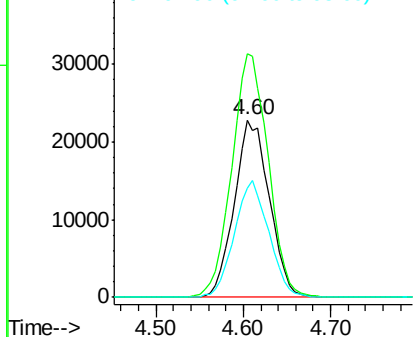
Tot Ion	Ratio	Lower	Upper
96	100		
61	142.5	0.0	291.6
98	64.7	0.0	132.0

Manual Integrations
APPROVED

apatel
3/22/2018 2:44:33 PM



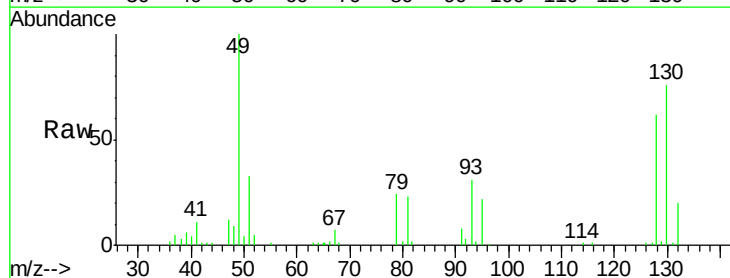
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



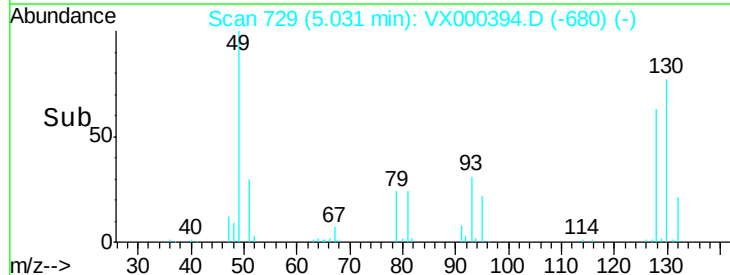
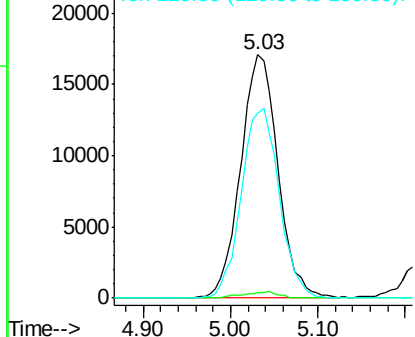
#28

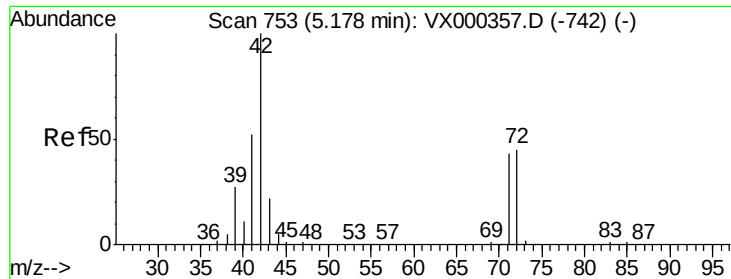
Bromochloromethane
Concen: 50.60 ug/l
RT: 5.03 min Scan# 729
Delta R.T. -0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.0
130	78.9	64.0	96.0



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





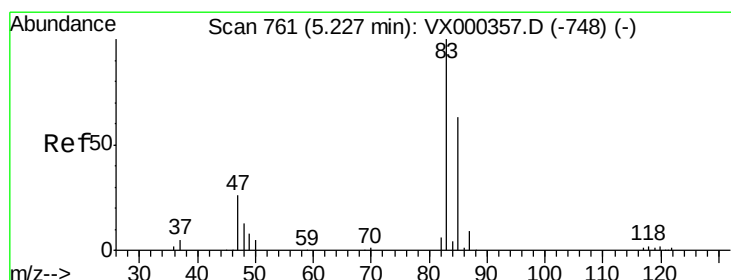
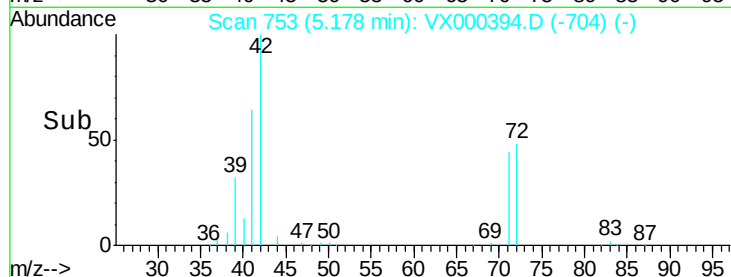
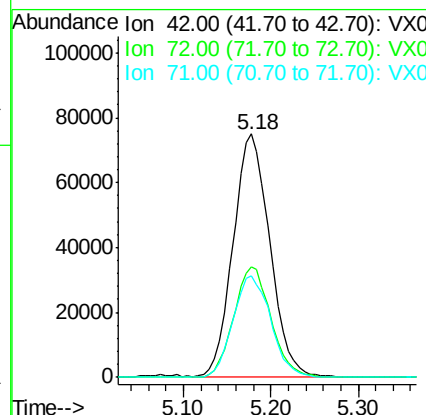
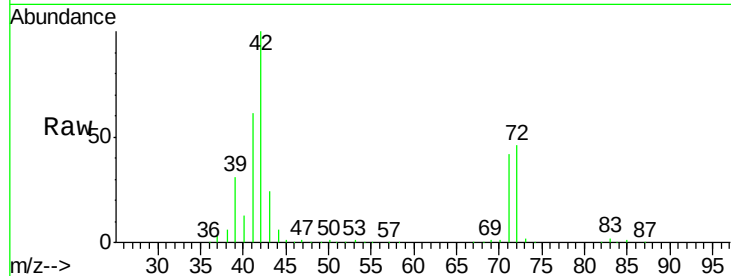
#29
Tetrahydrofuran
Concen: 254.07 ug/l
RT: 5.18 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	37.9	56.9
71	43.2	34.4	51.6

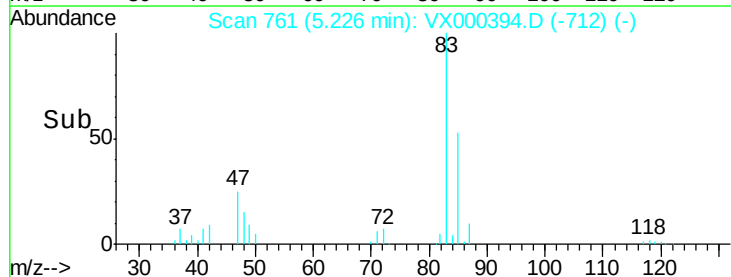
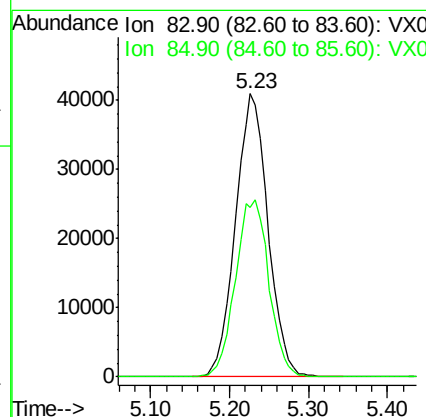
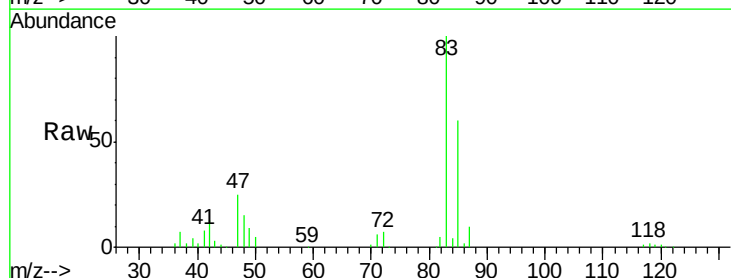
Manual Integrations
APPROVED

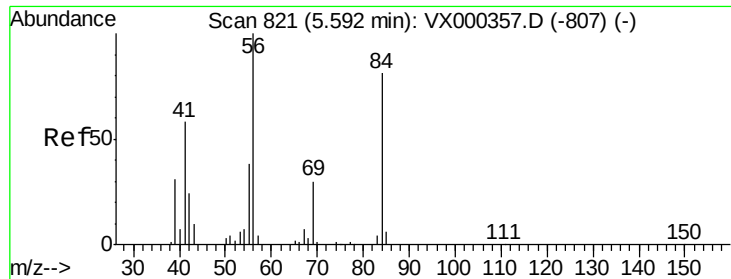
apatel
3/22/2018 2:44:33 PM



#30
Chloroform
Concen: 51.26 ug/l
RT: 5.23 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.9	53.3	79.9





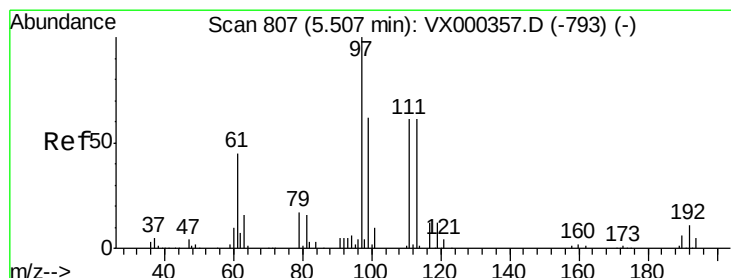
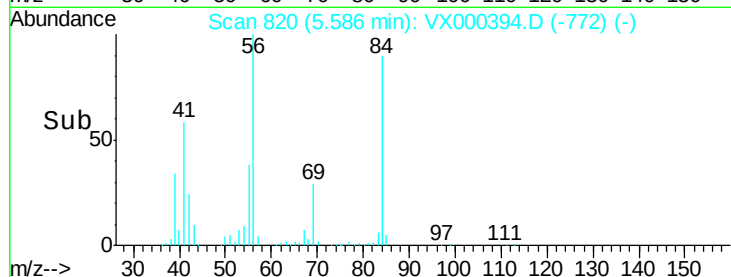
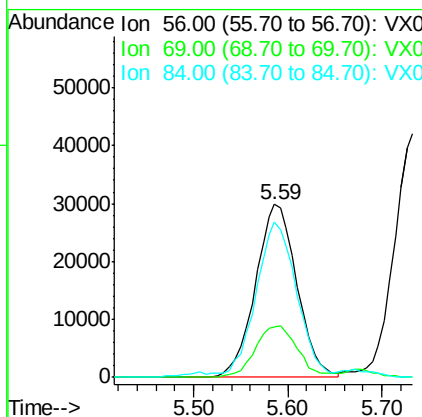
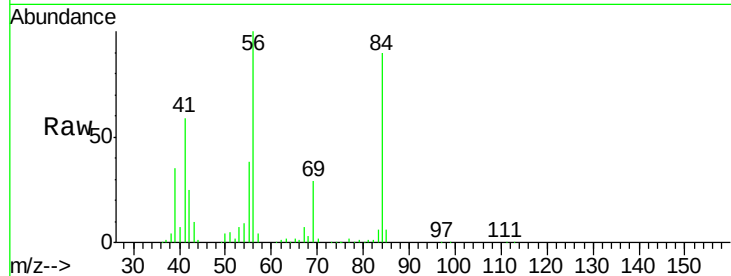
#31
Cyclohexane
Concen: 48.71 ug/l
RT: 5.59 min Scan# 820
Delta R.T. -0.01 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.4	35.0
84	88.3	71.0	106.4

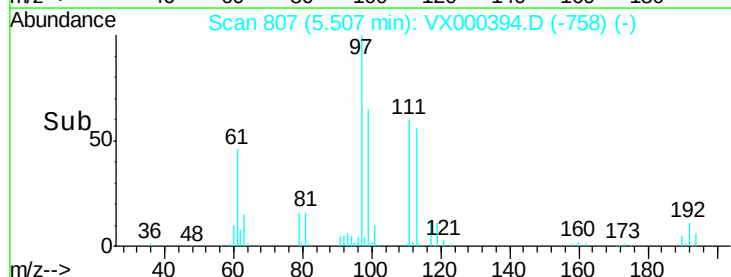
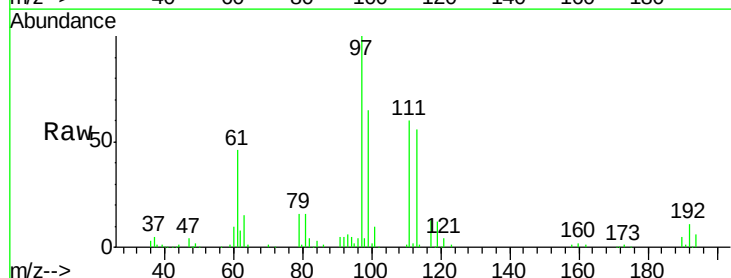
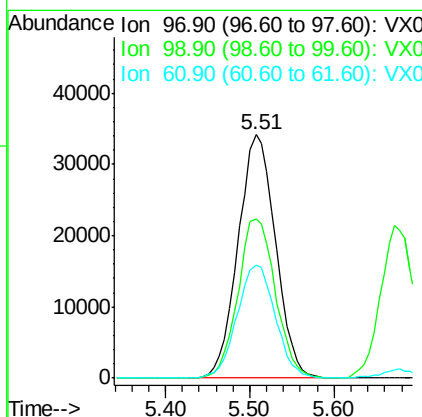
Manual Integrations
APPROVED

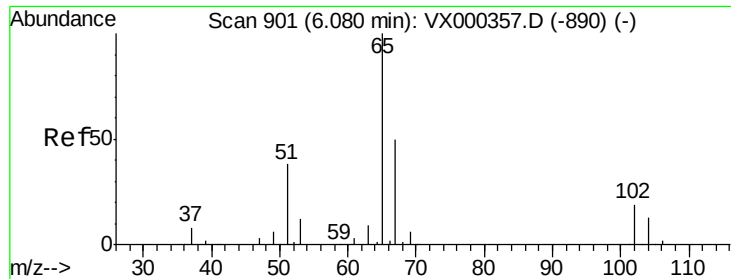
apatel
3/22/2018 2:44:33 PM



#32
1,1,1-Trichloroethane
Concen: 50.02 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.1	78.1
61	47.3	36.2	54.4





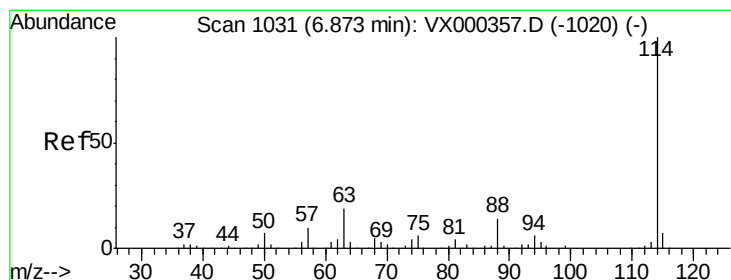
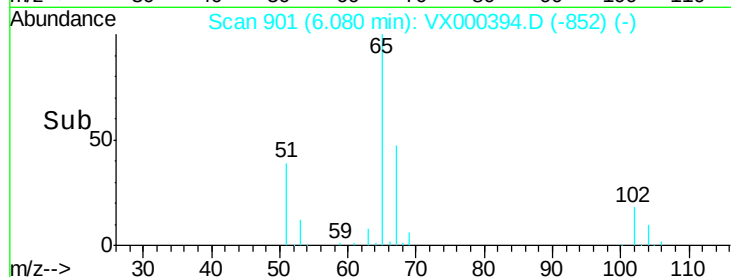
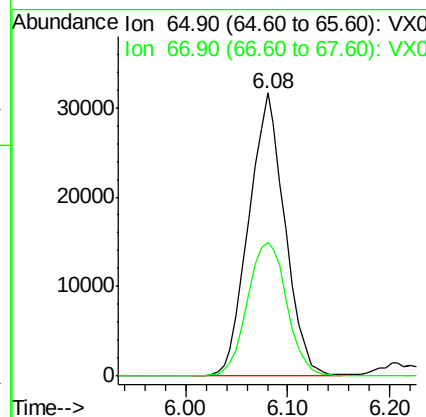
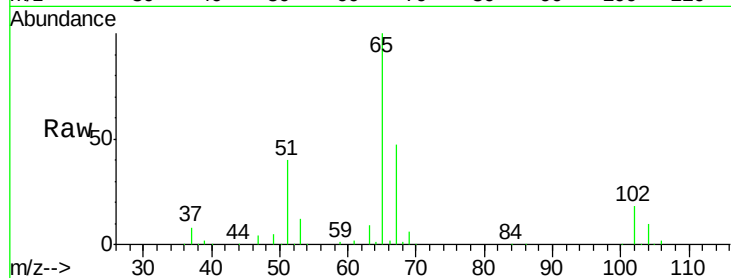
#33
 1,2-Dichloroethane-d4
 Concen: 52.25 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VX000394.D
 Acq: 21 Mar 2018 19:00

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.2

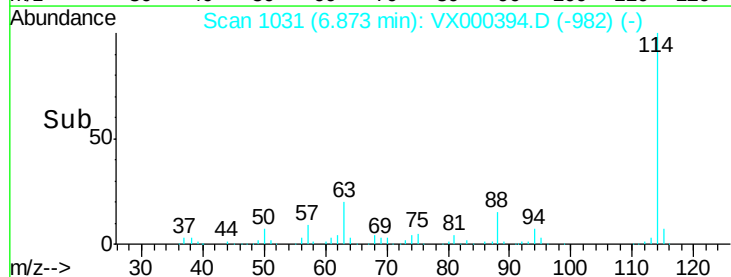
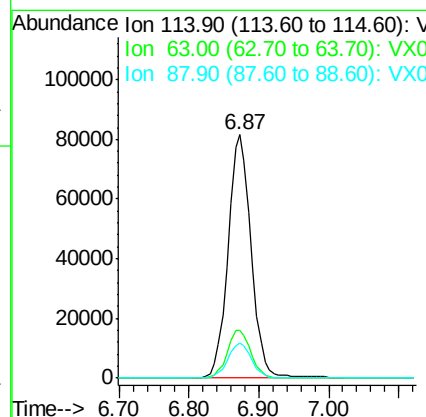
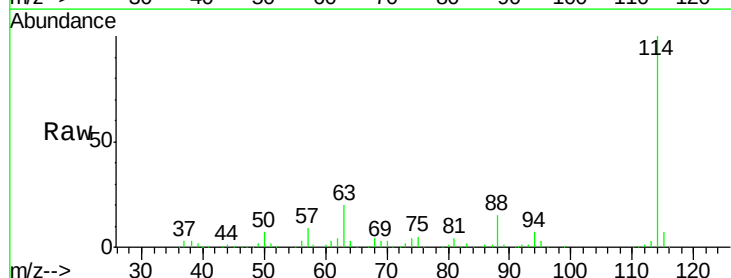
Manual Integrations
 APPROVED

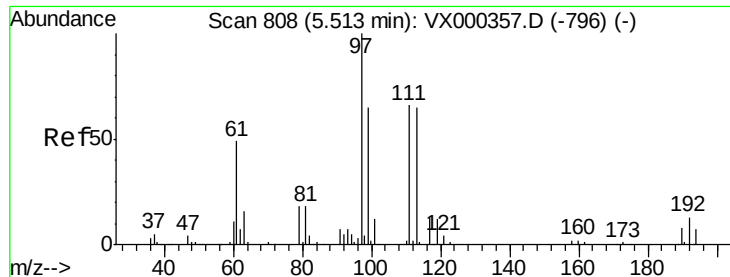
apatel
 3/22/2018 2:44:33 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000394.D
 Acq: 21 Mar 2018 19:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	38.4
88	14.5	0.0	27.0





#35

Dibromofluoromethane

Concen: 52.40 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

Instrument :

MSVOA_X

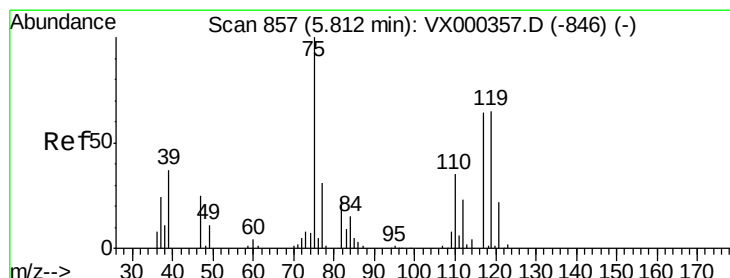
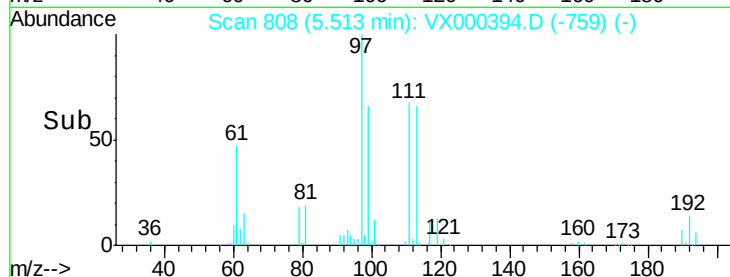
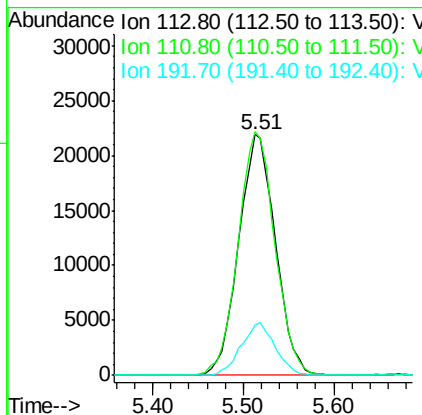
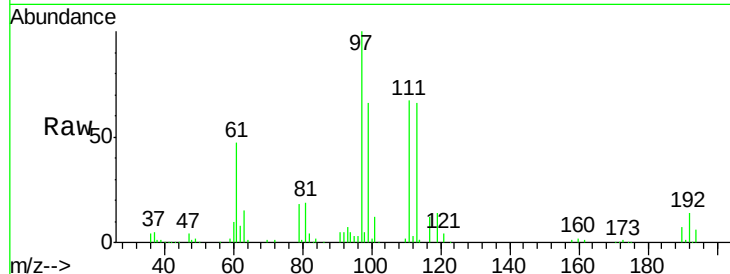
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	61491
Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.4	123.6
192	20.5	15.8	23.6

Manual Integrations
APPROVED

apatel
3/22/2018 2:44:33 PM



#36

1,1-Dichloropropene

Concen: 48.79 ug/l

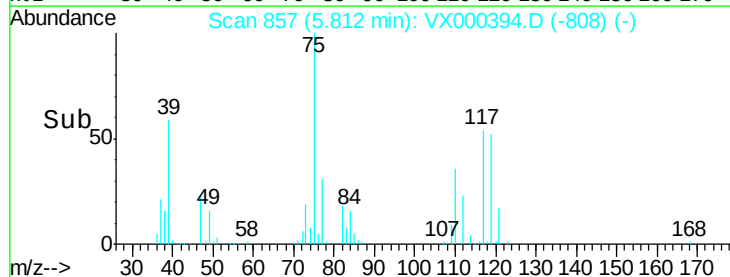
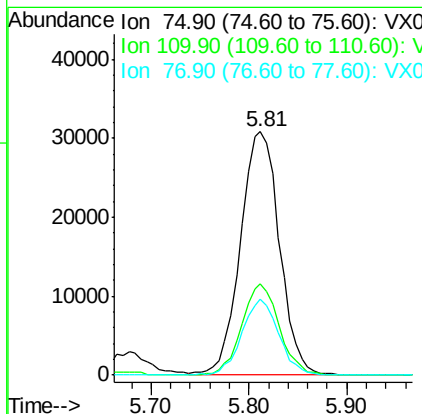
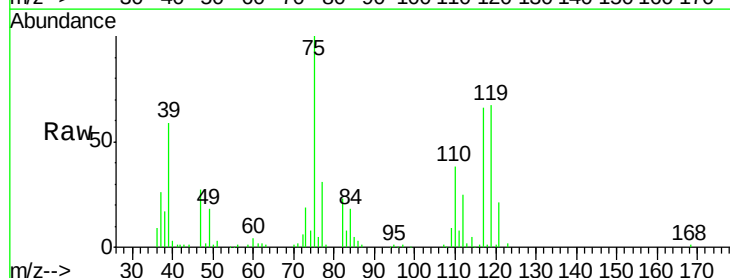
RT: 5.81 min Scan# 857

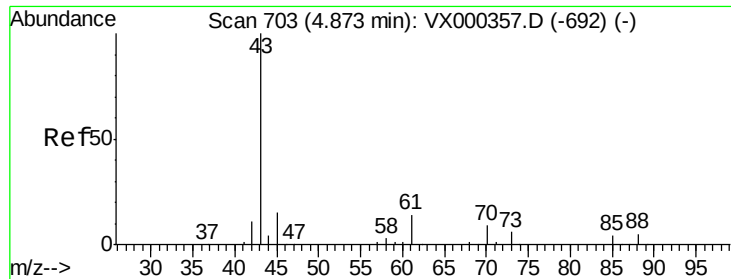
Delta R.T. -0.00 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

Tgt Ion:	75	Resp:	85124
Ion	Ratio	Lower	Upper
75	100		
110	36.2	17.9	53.7
77	29.6	24.0	36.0





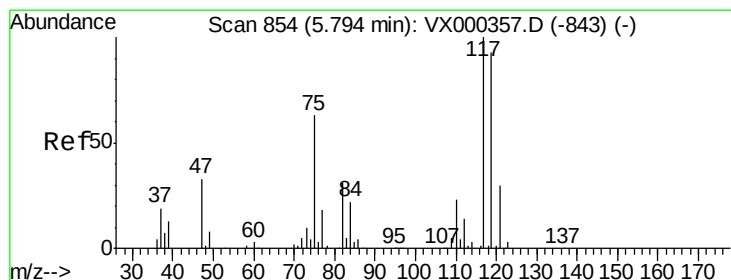
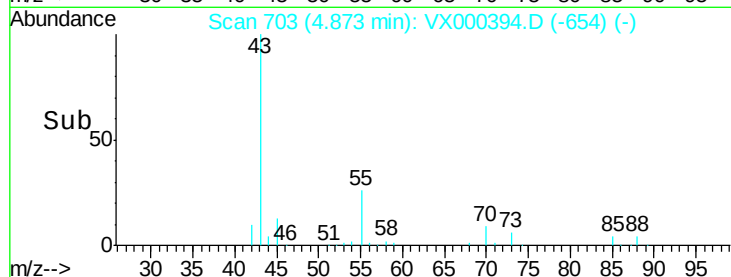
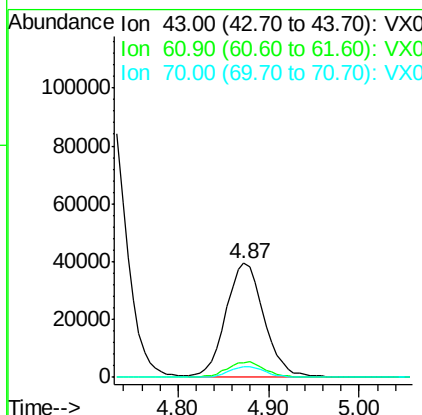
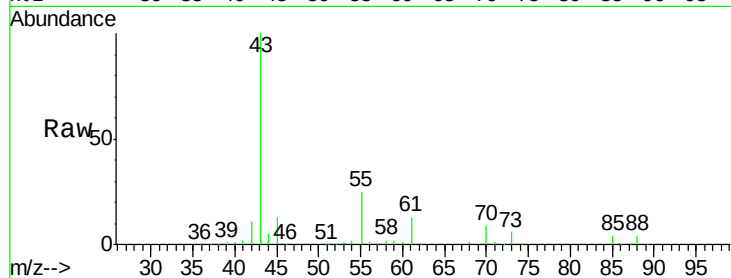
#37
Ethyl Acetate
Concen: 48.15 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.1	16.7
70	9.2	7.7	11.5

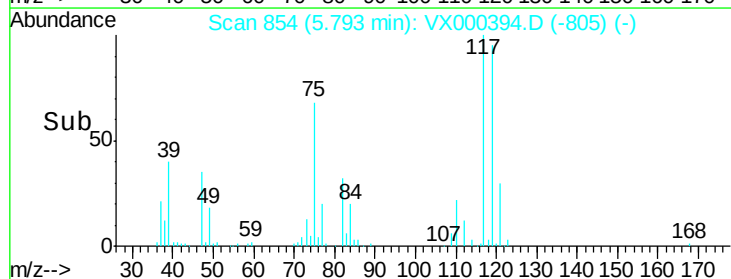
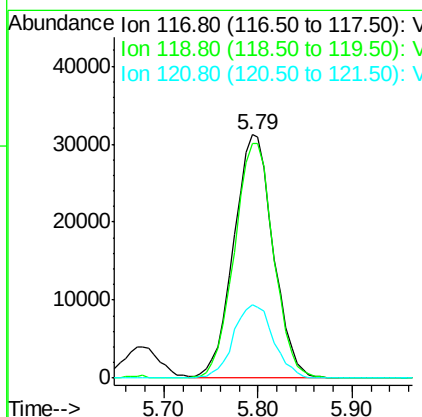
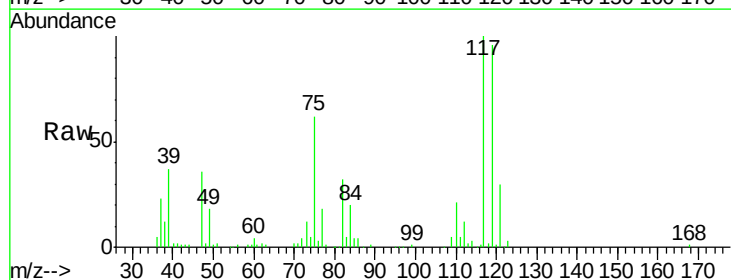
Manual Integrations
APPROVED

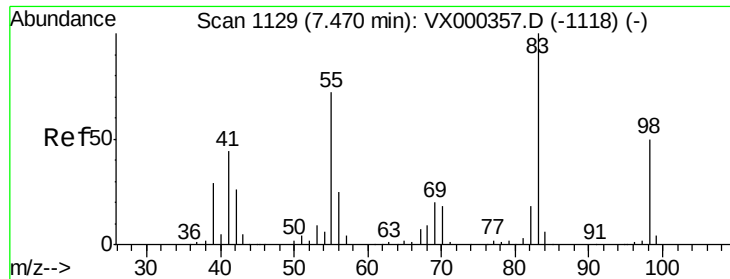
apatel
3/22/2018 2:44:33 PM



#38
Carbon Tetrachloride
Concen: 49.95 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.4	116.2
121	30.3	24.8	37.2





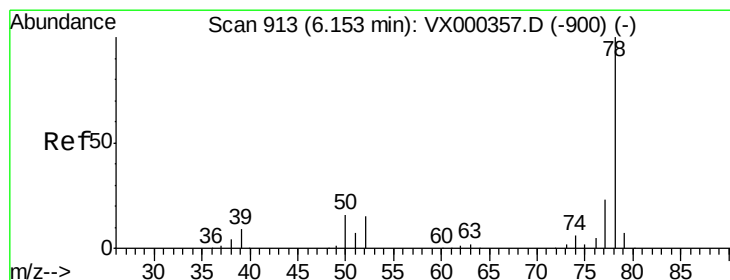
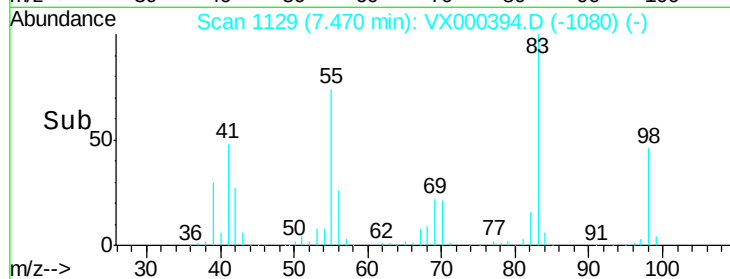
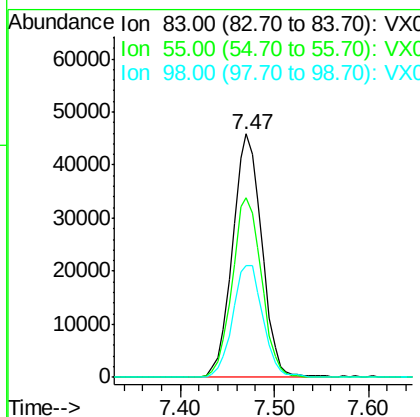
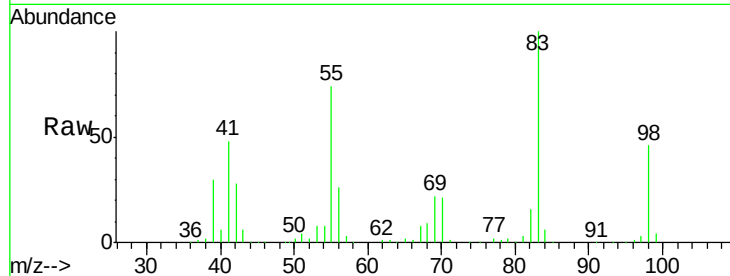
#39
Methylvlcyclohexane
Concen: 46.55 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	98753
Ion Ratio	100	Lower	Upper
83	100		
55	73.7	55.5	83.3
98	46.2	38.2	57.4

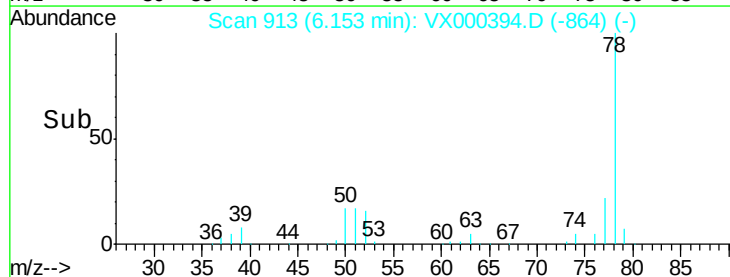
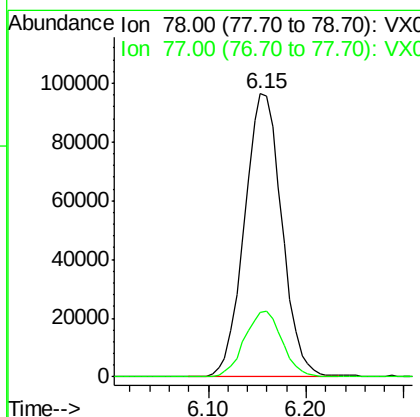
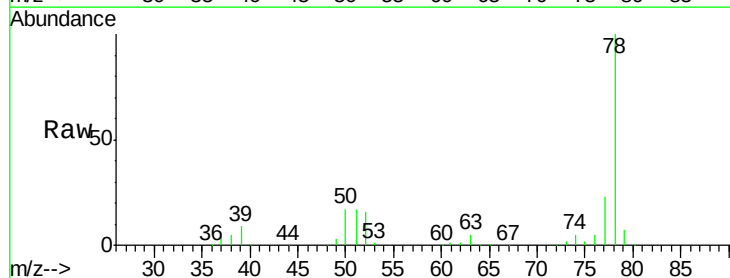
Manual Integrations
APPROVED

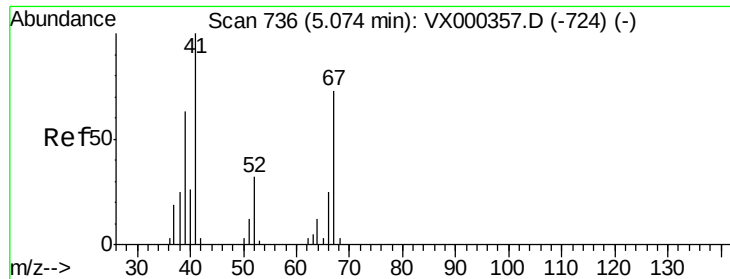
apatel
3/22/2018 2:44:33 PM



#40
Benzene
Concen: 50.70 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Tgt Ion	78	Resp	256863
Ion Ratio	100	Lower	Upper
78	100		
77	22.8	18.7	28.1





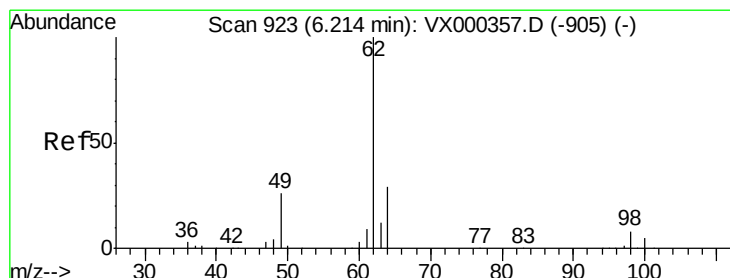
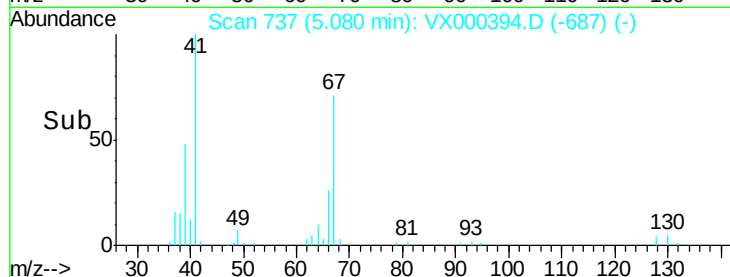
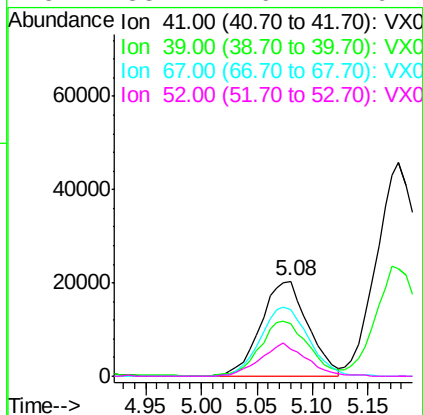
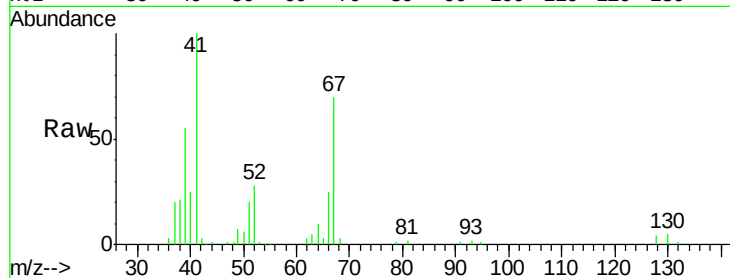
#41
Methacrylonitrile
Concen: 48.09 ug/l
RT: 5.08 min Scan# 737
Delta R.T. 0.01 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	60420
Ion	Ratio	Lower	Upper
41	100		
39	58.9	45.7	68.5
67	74.3	57.8	86.8
52	33.7	26.7	40.1

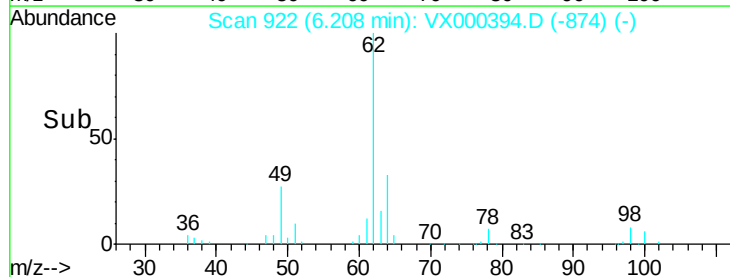
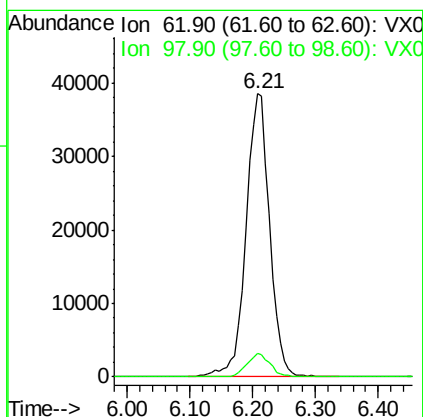
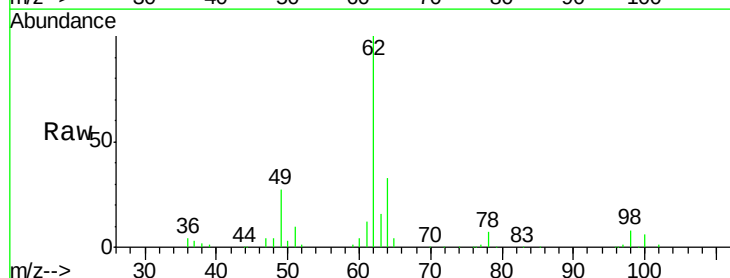
Manual Integrations
APPROVED

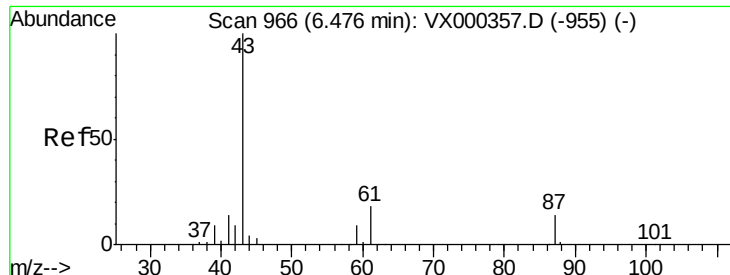
apatel
3/22/2018 2:44:33 PM



#42
1,2-Dichloroethane
Concen: 50.29 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.01 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Tgt Ion:	62	Resp:	99969
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	15.8





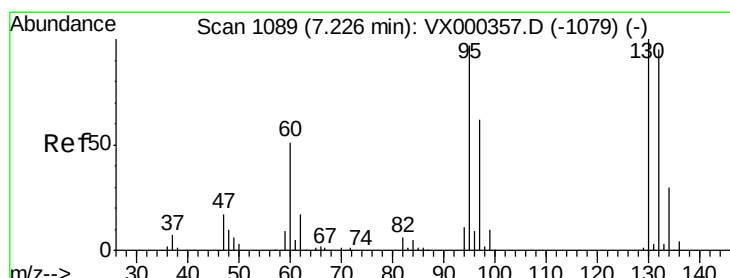
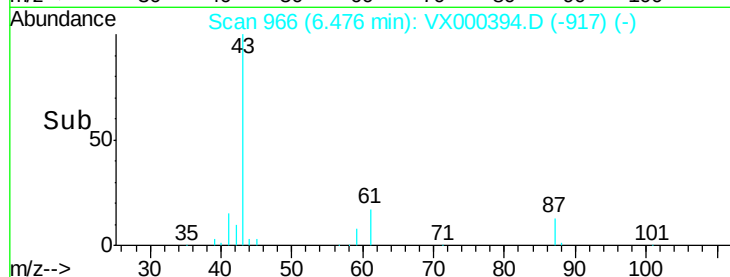
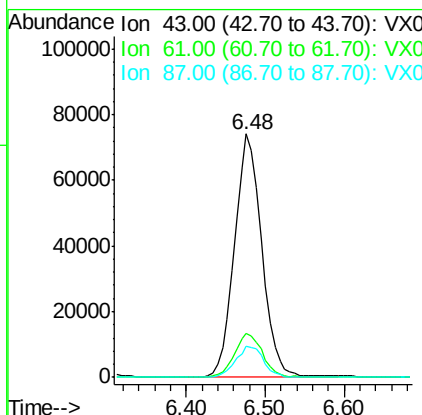
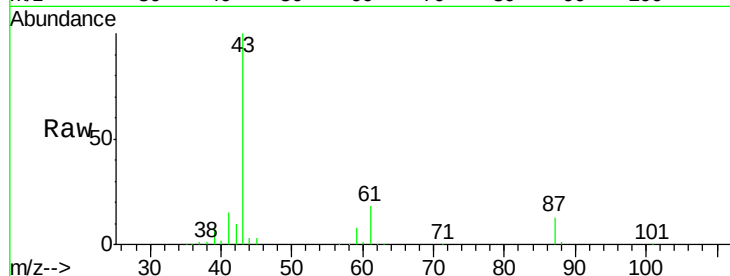
#43
Isopropyl Acetate
Concen: 50.21 ug/l
RT: 6.48 min Scan# 966
Delta R.T. -0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.4	21.6
87	13.2	11.0	16.4

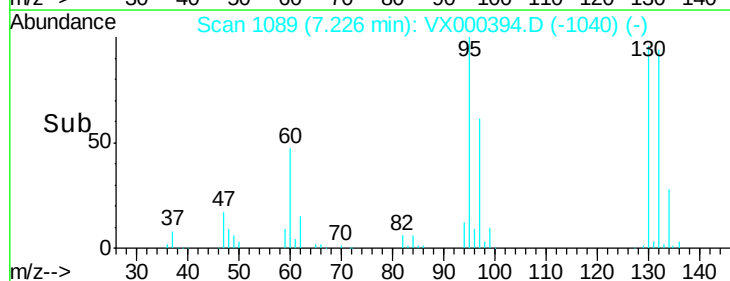
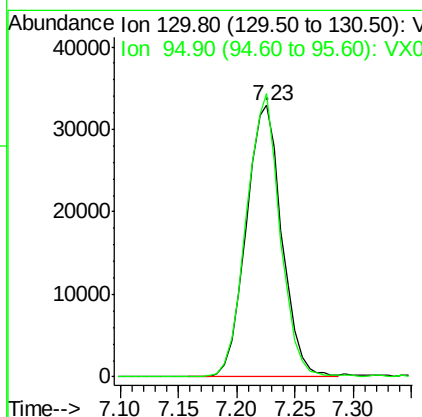
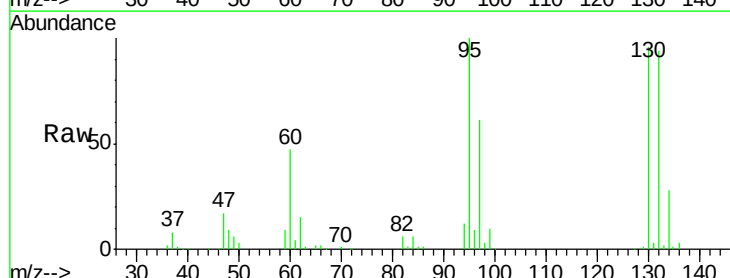
Manual Integrations
APPROVED

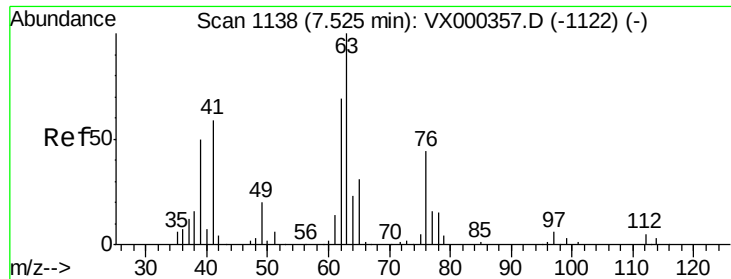
apatel
3/22/2018 2:44:33 PM



#44
Trichloroethene
Concen: 48.39 ug/l
RT: 7.23 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	186.0





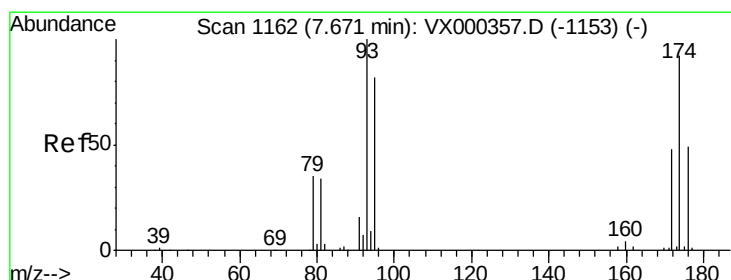
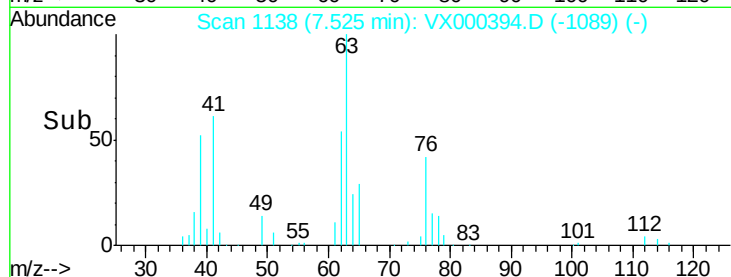
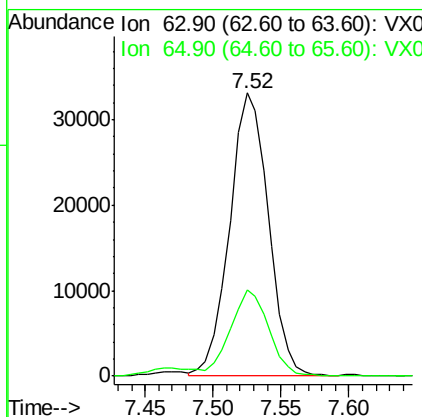
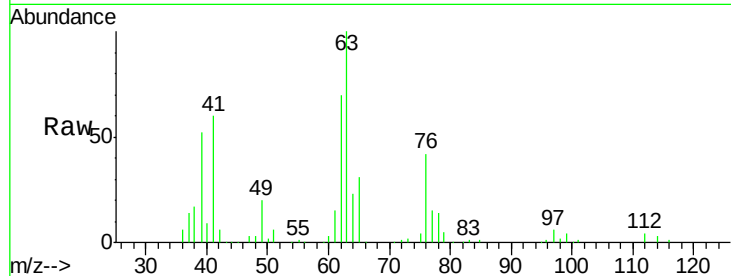
#45
 1,2-Dichloropropane
 Concen: 50.43 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000394.D
 Acq: 21 Mar 2018 19:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 65402
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 36.8

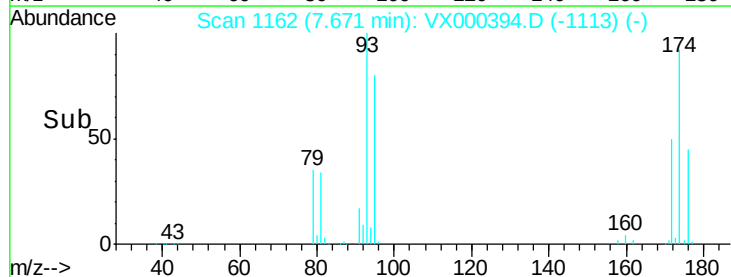
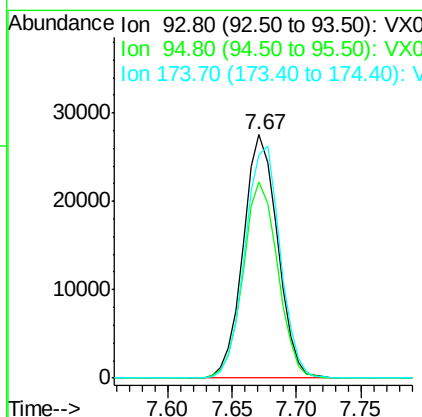
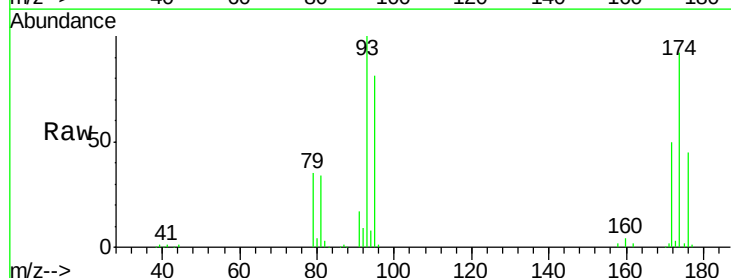
Manual Integrations
 APPROVED

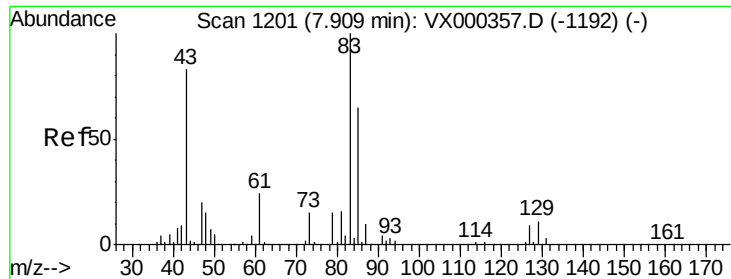
apatel
 3/22/2018 2:44:33 PM



#46
 Dibromomethane
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000394.D
 Acq: 21 Mar 2018 19:00

Tgt Ion: 93 Resp: 50896
 Ion Ratio Lower Upper
 93 100
 95 80.9 66.5 99.7
 174 97.2 76.0 114.0





#47

Bromodichloromethane

Concen: 53.17 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

Instrument :

MSVOA_X

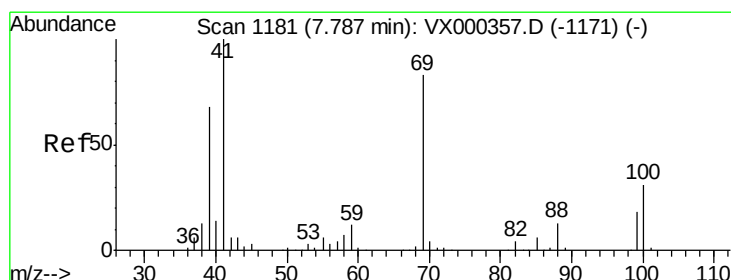
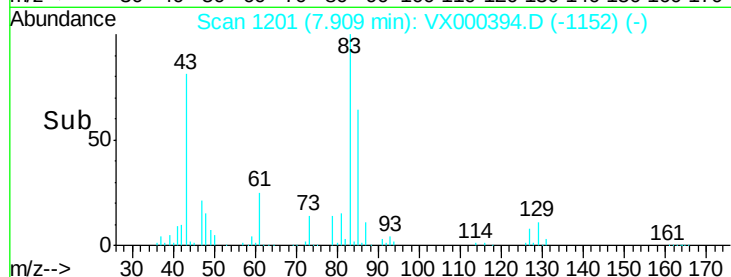
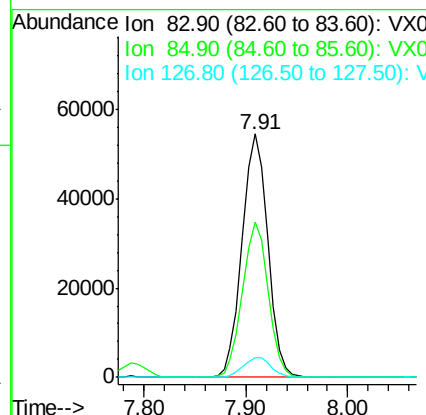
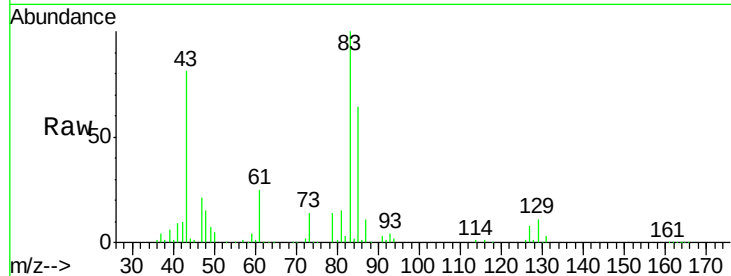
ClientSampled :

VSTDCCC050EC

Tot Ion:	83	Resp:	95213
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.4	77.0
127	8.3	7.0	10.6

Manual Integrations
APPROVED

apatel
3/22/2018 2:44:33 PM



#48

Methyl methacrylate

Concen: 52.39 ug/l

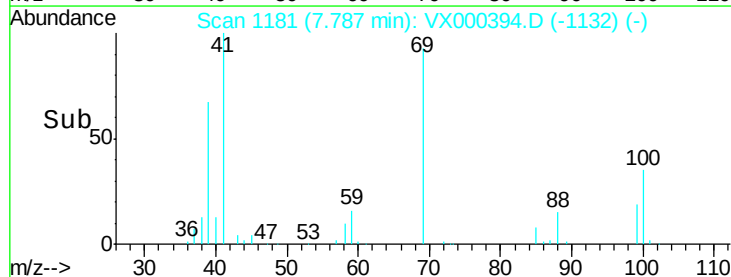
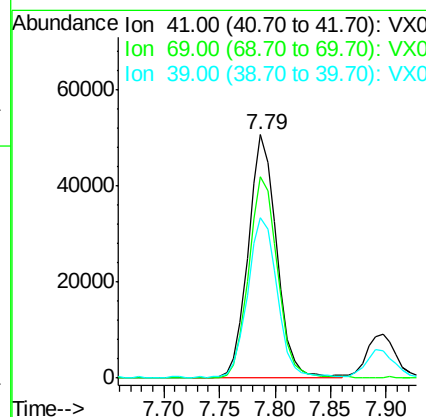
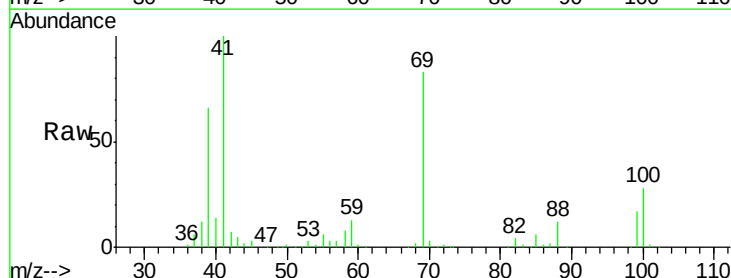
RT: 7.79 min Scan# 1181

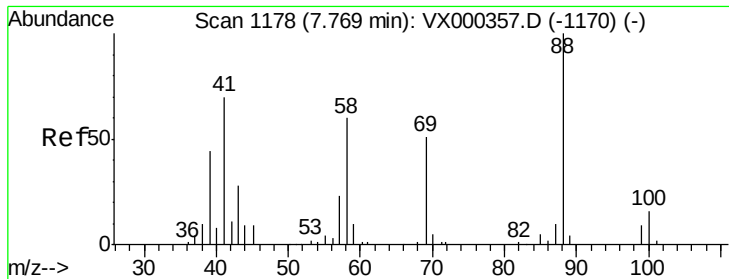
Delta R.T. -0.00 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

Tgt Ion:	41	Resp:	90219
Ion	Ratio	Lower	Upper
41	100		
69	83.8	68.2	102.4
39	68.0	54.6	81.8





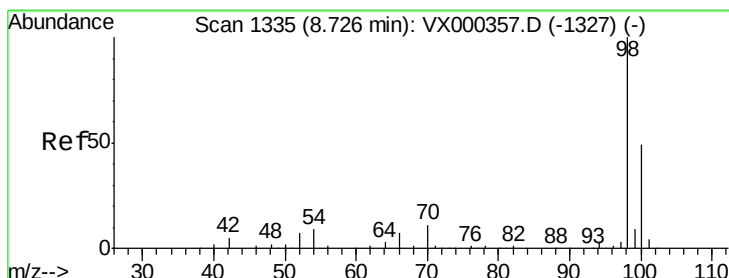
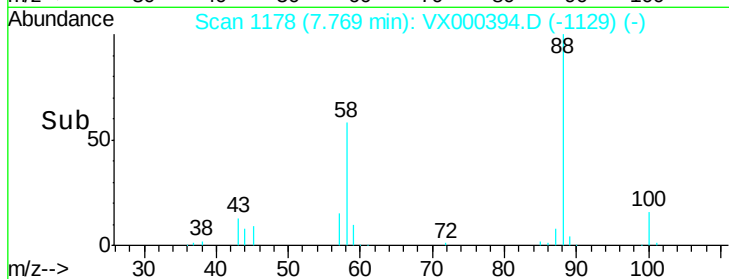
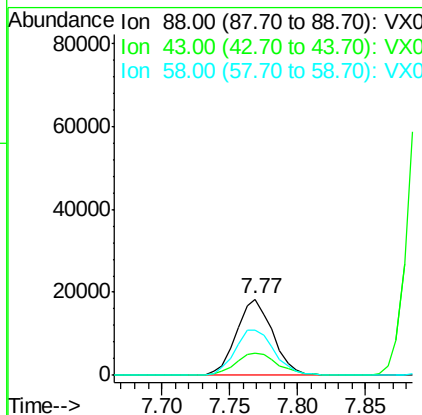
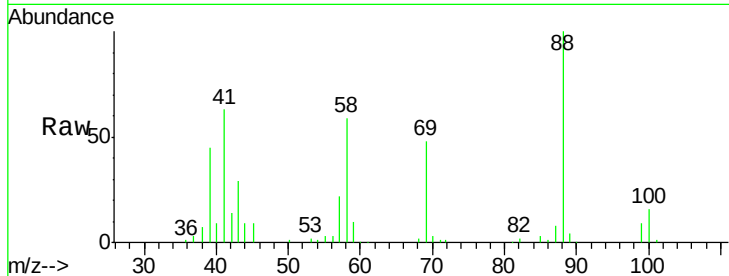
#49
1,4-Dioxane
Concen: 951.43 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.5	26.8	40.2
58	64.9	52.2	78.2

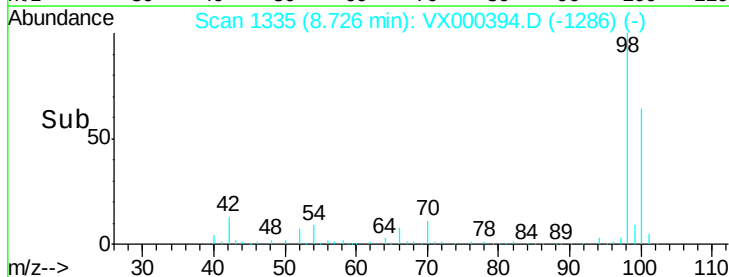
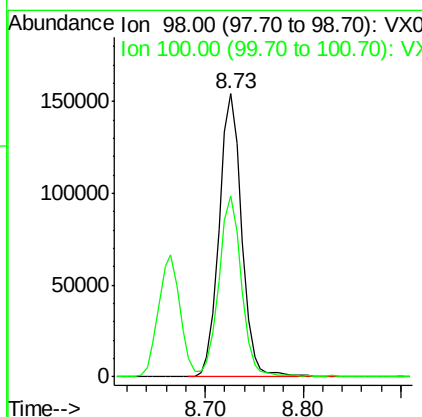
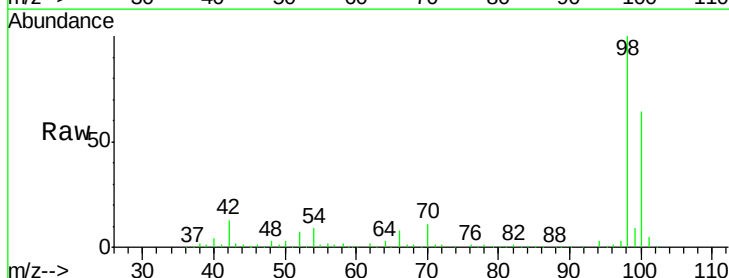
Manual Integrations
APPROVED

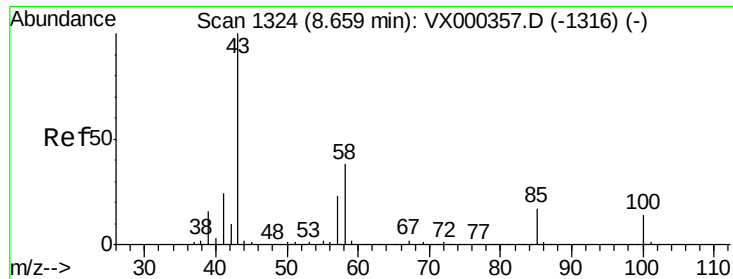
apatel
3/22/2018 2:44:33 PM



#50
Toluene-d8
Concen: 50.87 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 258.73 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 710386

Ion Ratio Lower Upper

43 100

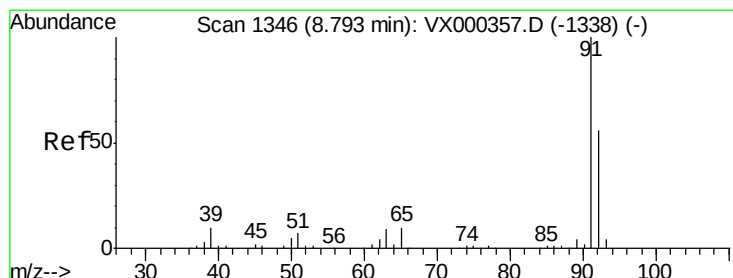
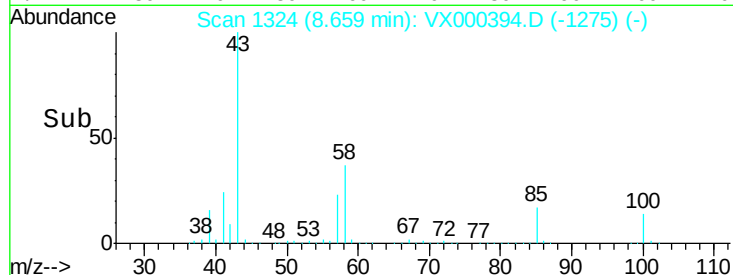
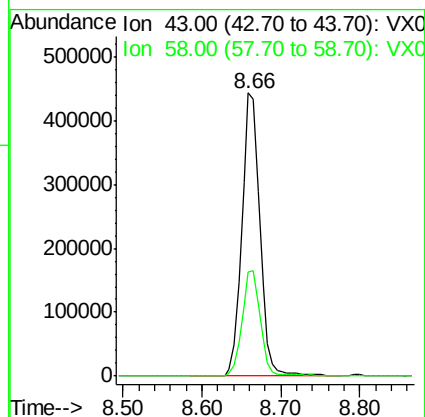
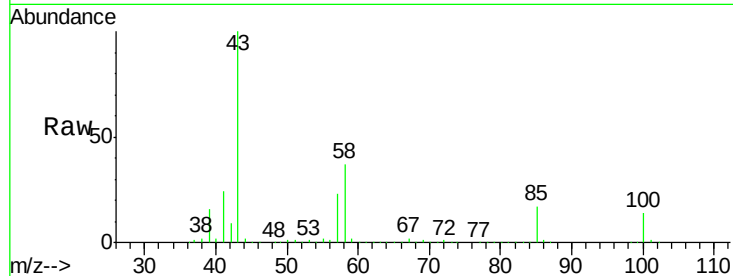
58 37.0 30.3 45.5

Manual Integrations

APPROVED

apatel

3/22/2018 2:44:33 PM



#52

Toluene

Concen: 49.74 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000394.D

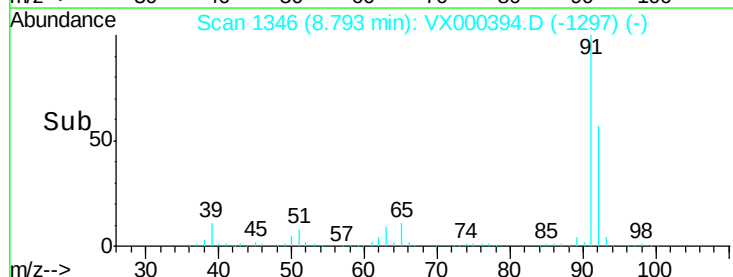
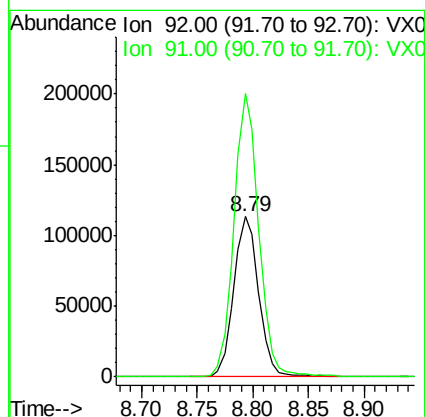
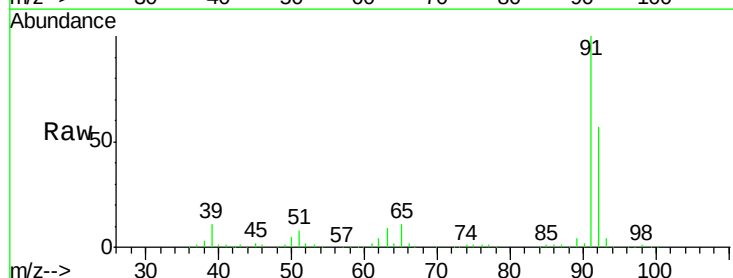
Acq: 21 Mar 2018 19:00

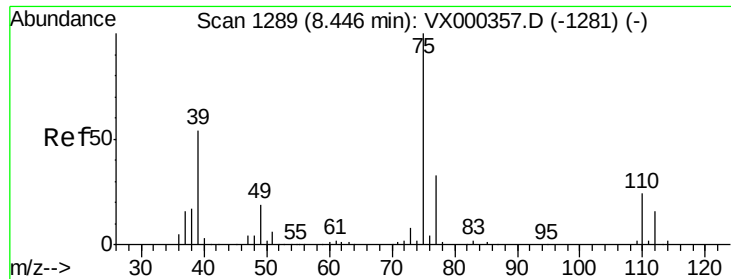
Tgt Ion: 92 Resp: 176156

Ion Ratio Lower Upper

92 100

91 176.0 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 50.33 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 104444

Ion Ratio Lower Upper

75 100

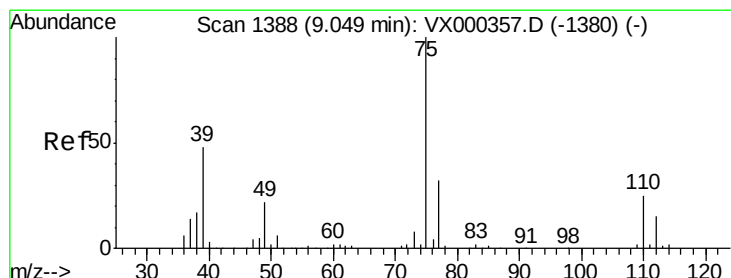
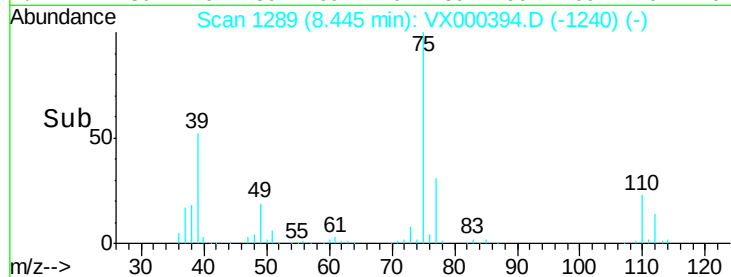
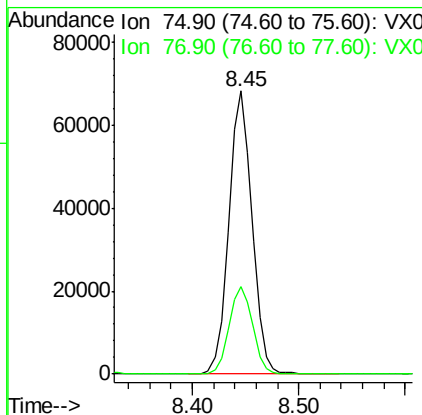
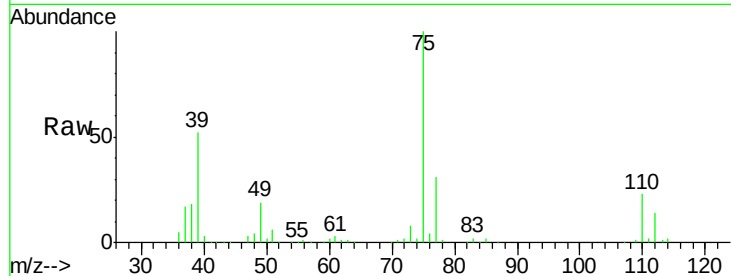
77 30.9 24.0 36.0

Manual Integrations

APPROVED

apatel

3/22/2018 2:44:33 PM



#54

cis-1,3-Dichloropropene

Concen: 51.87 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

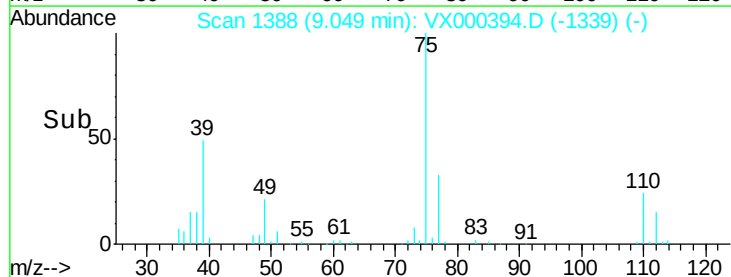
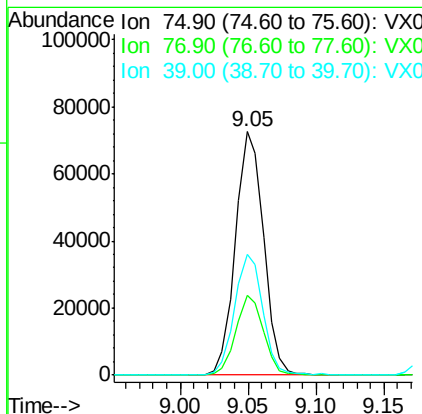
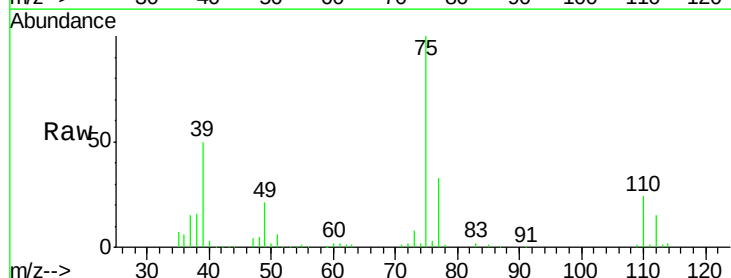
Tgt Ion: 75 Resp: 104410

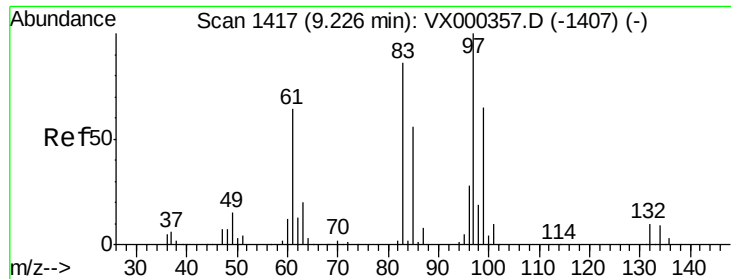
Ion Ratio Lower Upper

75 100

77 32.5 26.1 39.1

39 49.5 39.8 59.6





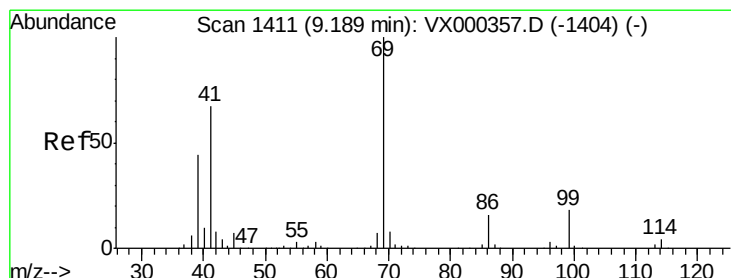
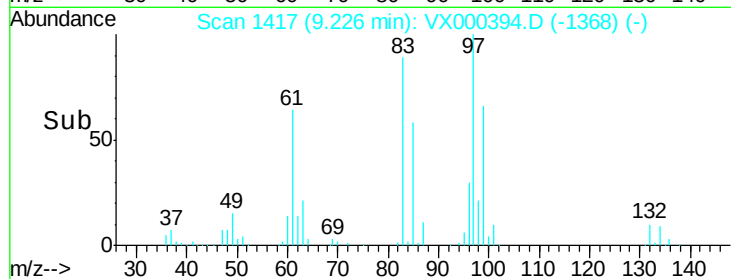
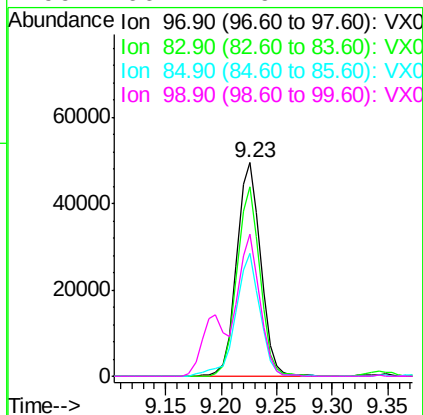
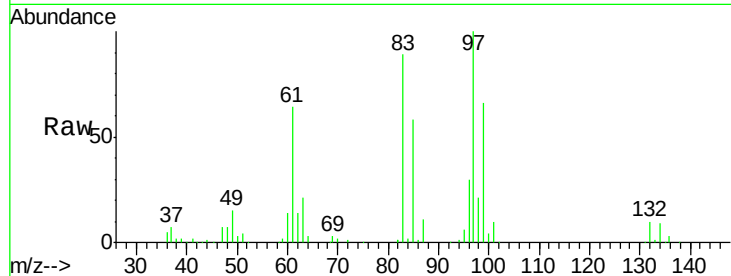
#55
 1,1,2-Trichloroethane
 Concen: 50.58 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VX000394.D
 Acq: 21 Mar 2018 19:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	73668
Ion	Ratio	Lower	Upper
97	100		
83	88.8	67.9	101.9
85	57.6	42.8	64.2
99	66.4	49.4	74.2

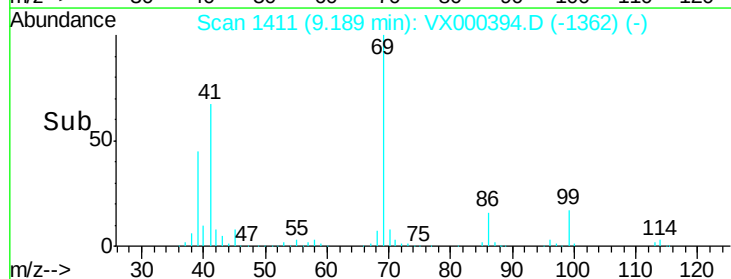
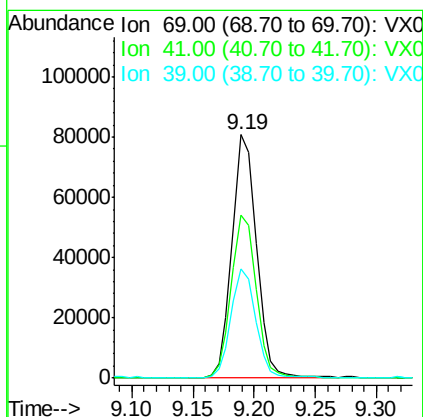
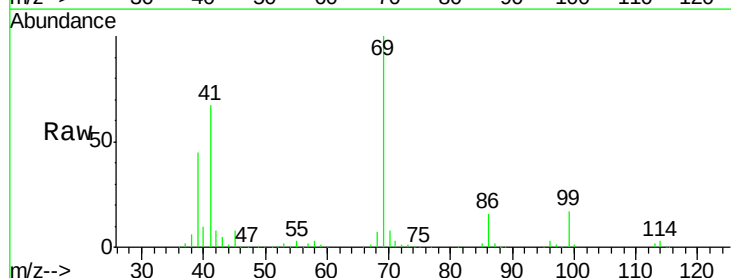
Manual Integrations
 APPROVED

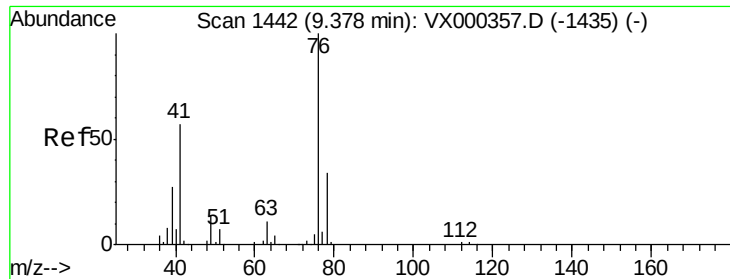
apatel
 3/22/2018 2:44:33 PM



#56
 Ethyl methacrylate
 Concen: 51.07 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000394.D
 Acq: 21 Mar 2018 19:00

Tgt Ion:	69	Resp:	112702
Ion	Ratio	Lower	Upper
69	100		
41	68.9	53.0	79.6
39	44.9	35.3	52.9





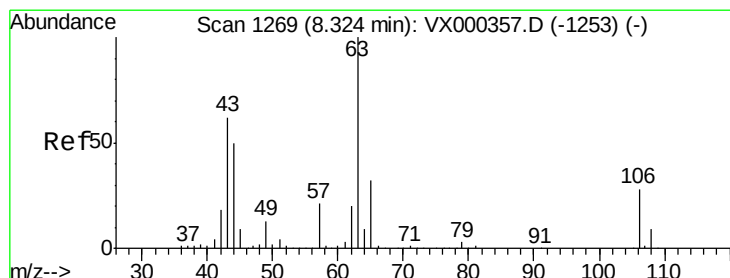
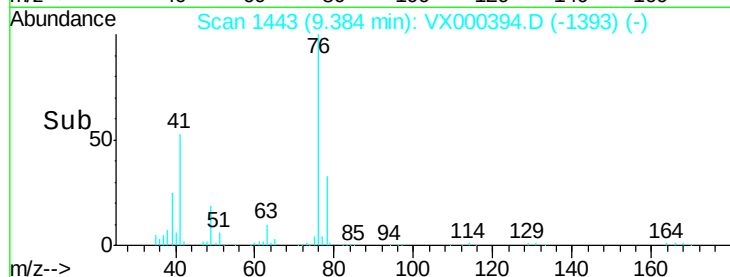
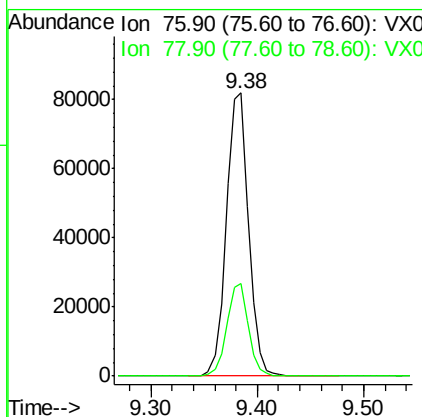
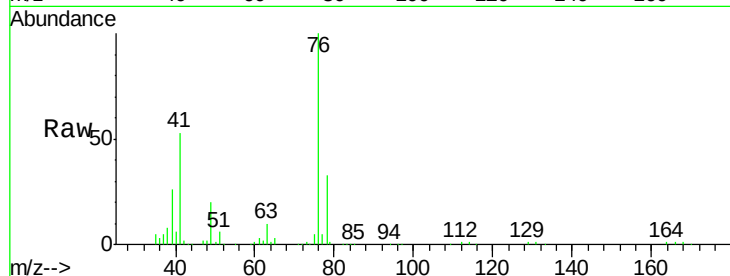
#57
 1,3-Dichloropropane
 Concen: 51.37 ug/l
 RT: 9.38 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: VX000394.D
 Acq: 21 Mar 2018 19:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 119660
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.4 39.6

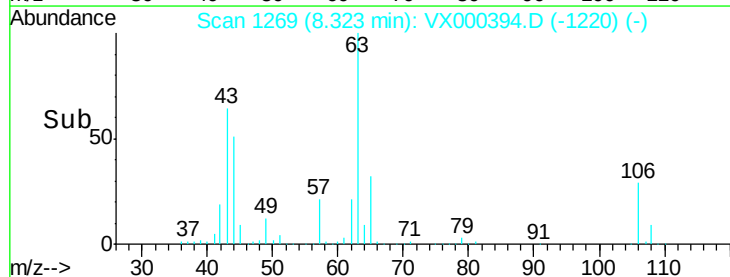
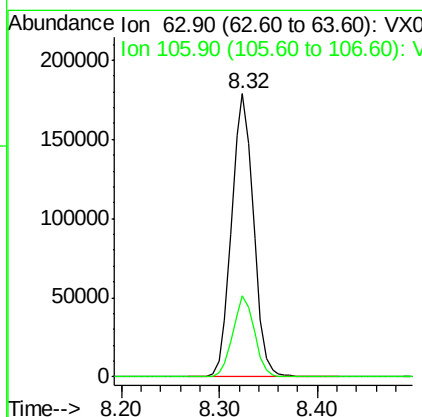
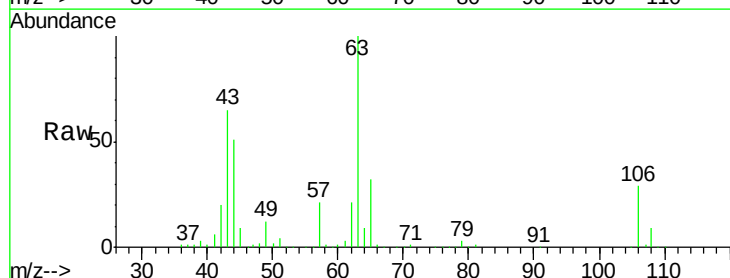
Manual Integrations
 APPROVED

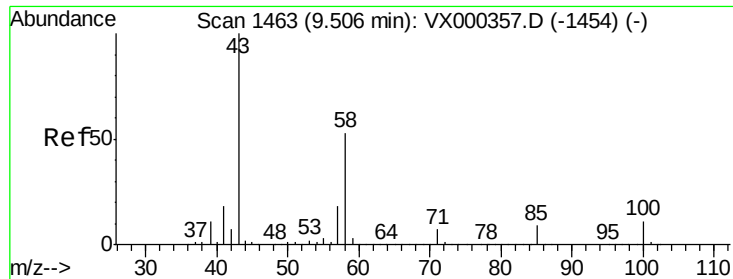
apatel
 3/22/2018 2:44:33 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 263.92 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VX000394.D
 Acq: 21 Mar 2018 19:00

Tgt Ion: 63 Resp: 279555
 Ion Ratio Lower Upper
 63 100
 106 28.3 23.2 34.8





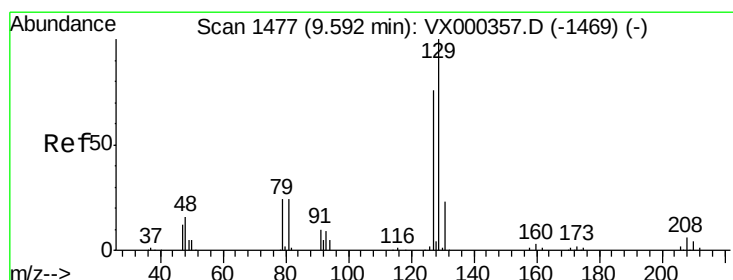
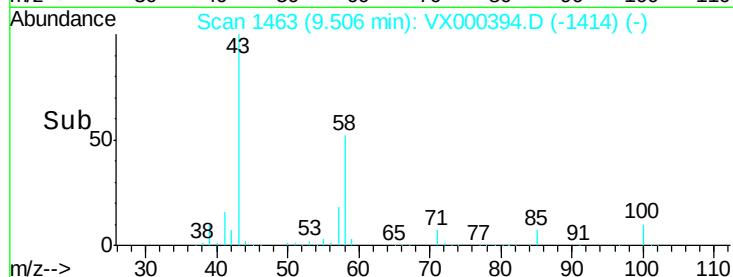
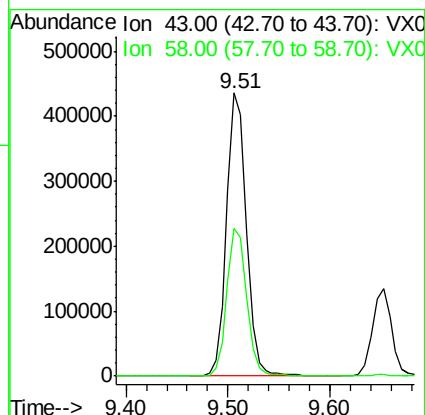
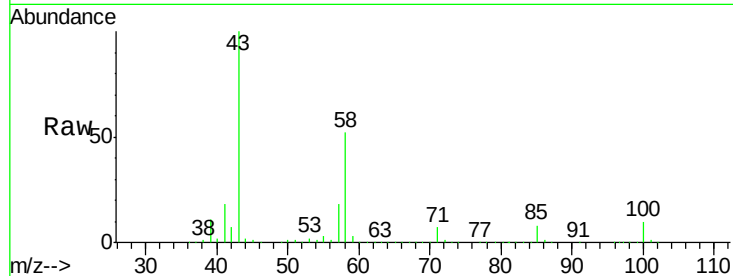
#59
2-Hexanone
Concen: 252.81 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 589382
Ion Ratio Lower Upper
43 100
58 52.5 26.6 79.7

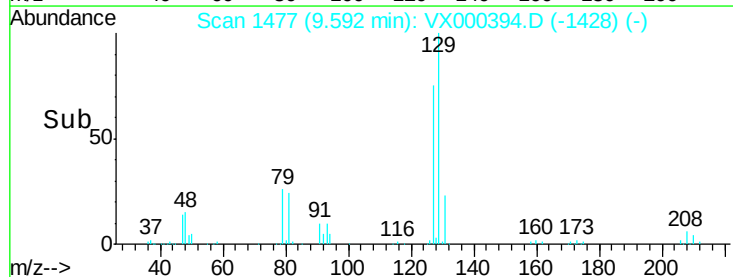
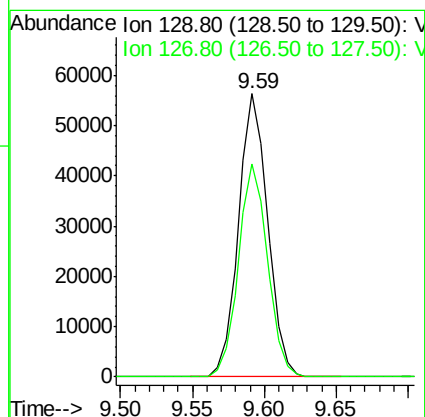
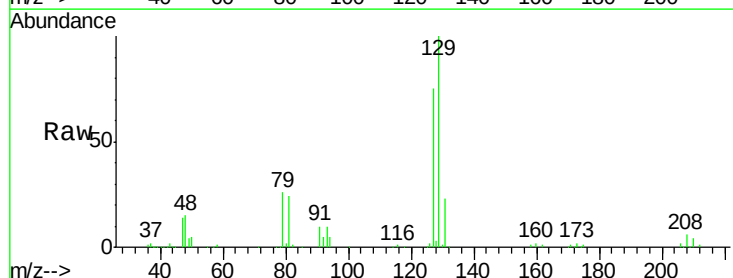
Manual Integrations
APPROVED

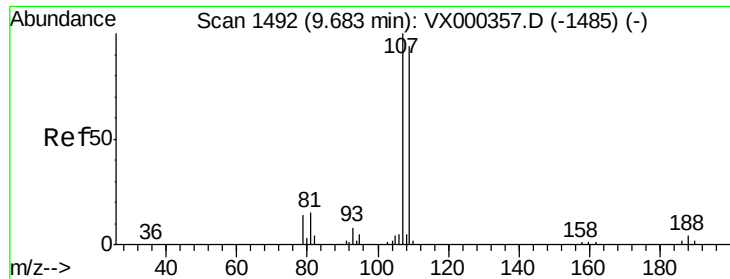
apatel
3/22/2018 2:44:33 PM



#60
Dibromochloromethane
Concen: 46.54 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Tgt Ion: 129 Resp: 79672
Ion Ratio Lower Upper
129 100
127 75.1 37.9 113.6





#61

1,2-Dibromoethane

Concen: 51.10 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 79813

Ion Ratio Lower Upper

107 100

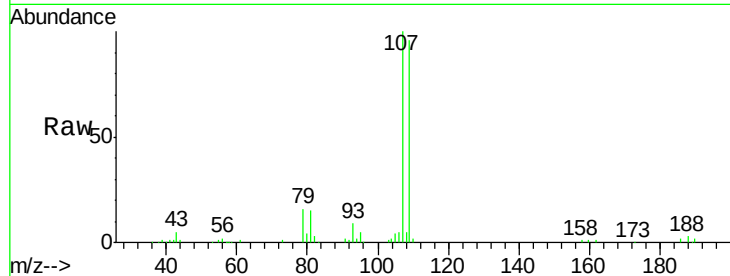
109 92.5 76.1 114.1

Manual Integrations

APPROVED

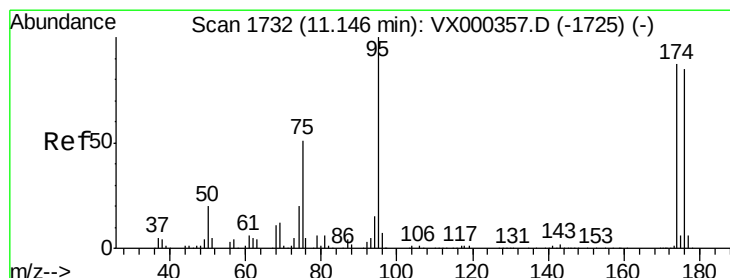
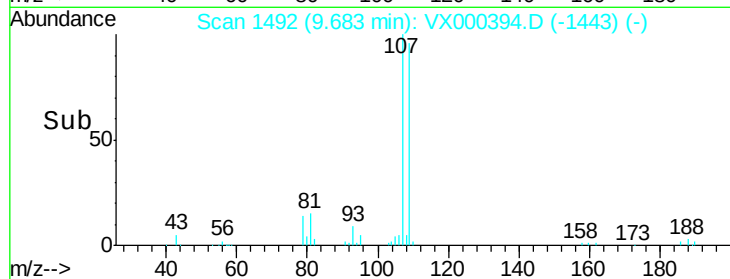
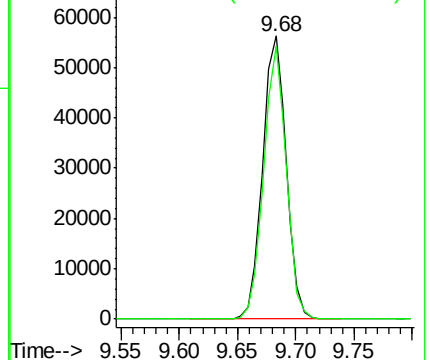
apatel

3/22/2018 2:44:33 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.88 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

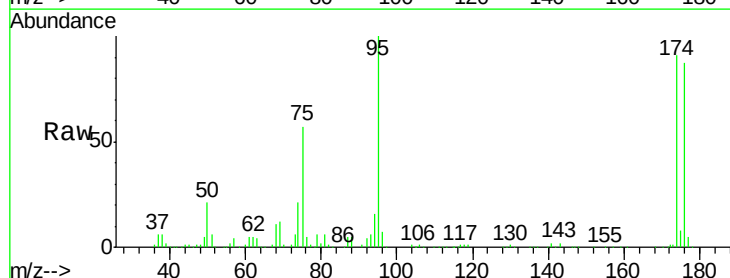
Tgt Ion: 95 Resp: 90700

Ion Ratio Lower Upper

95 100

174 90.3 0.0 173.6

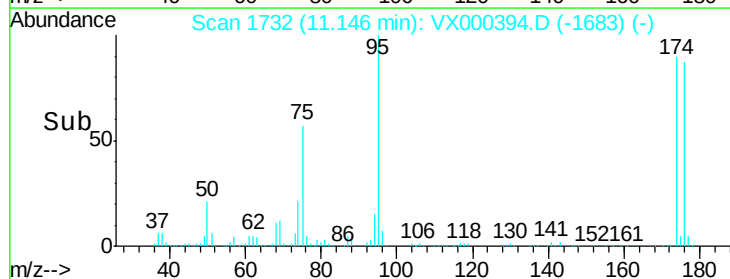
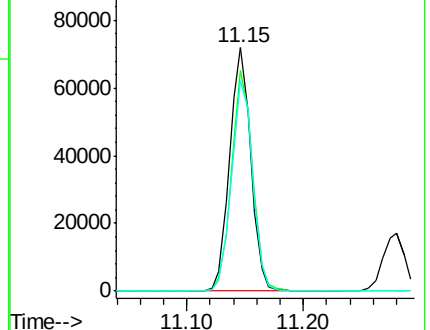
176 87.1 0.0 164.6

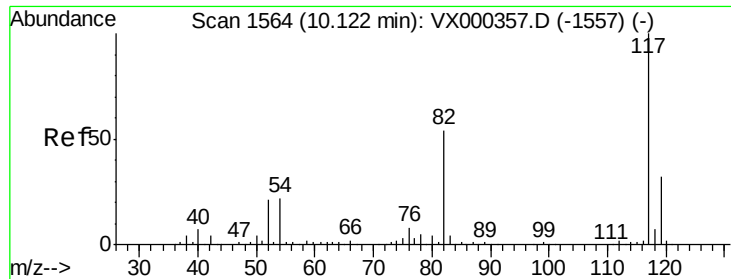


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





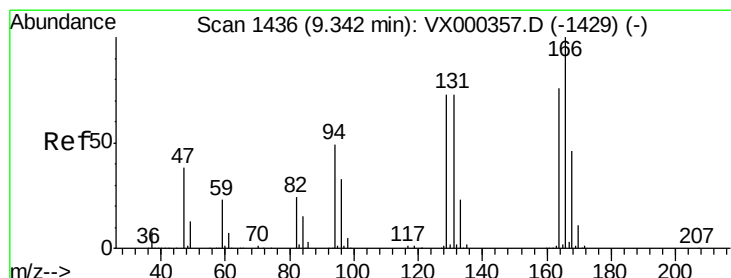
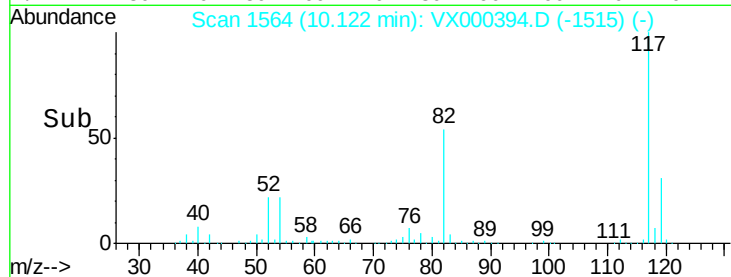
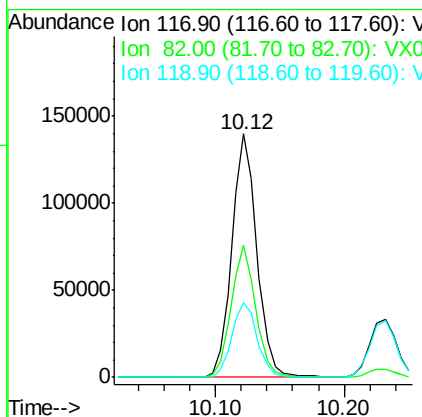
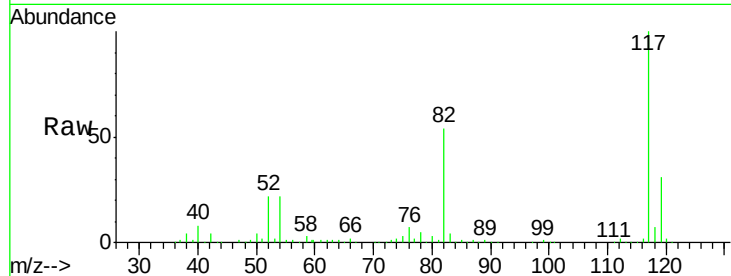
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.8	65.8
119	30.8	24.9	37.3

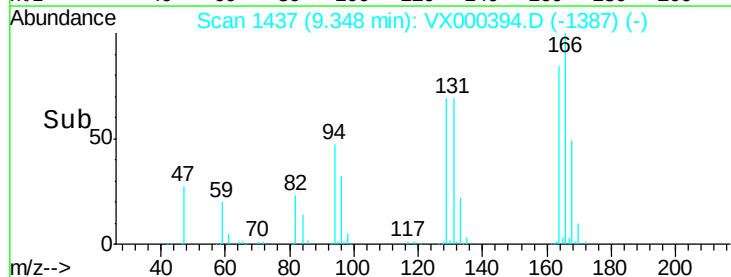
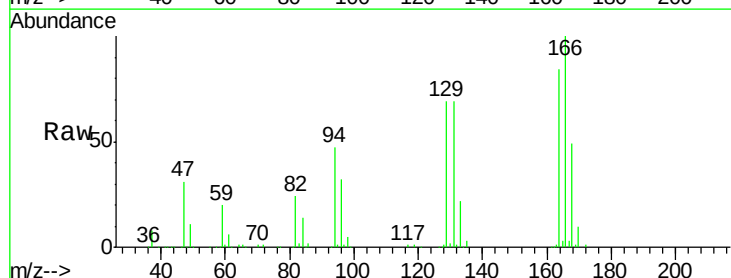
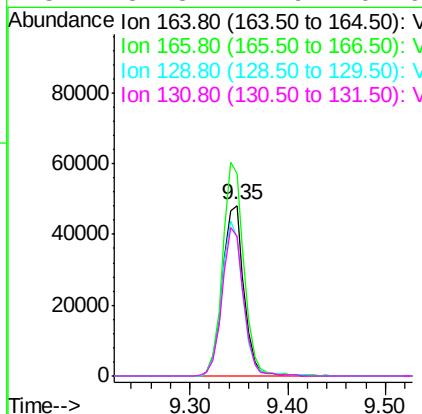
Manual Integrations
APPROVED

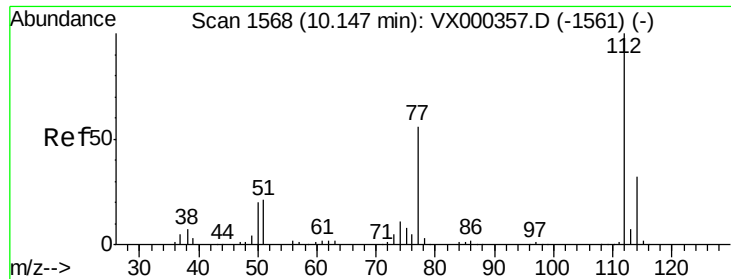
apatel
3/22/2018 2:44:33 PM



#64
Tetrachloroethene
Concen: 49.79 ug/l
RT: 9.35 min Scan# 1437
Delta R.T. 0.01 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.4	101.0	151.6
129	81.5	79.0	118.4
131	81.8	71.9	107.9





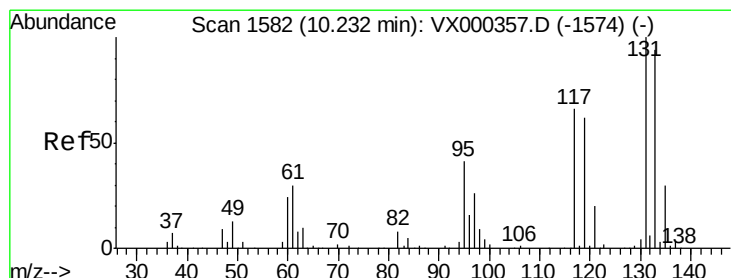
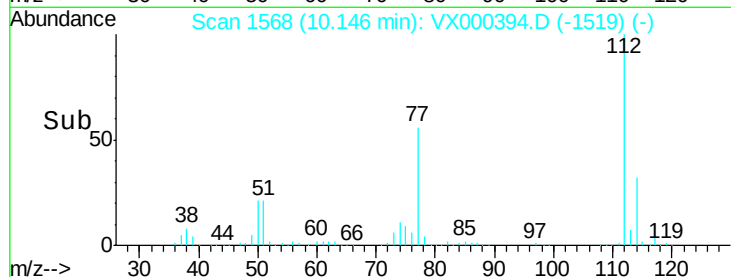
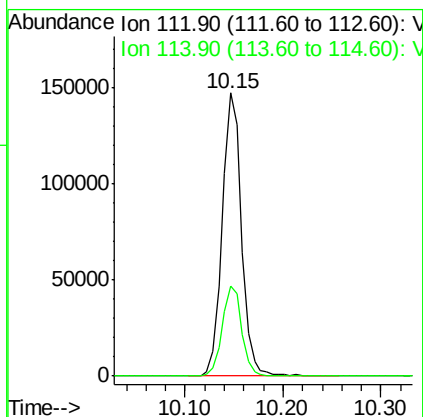
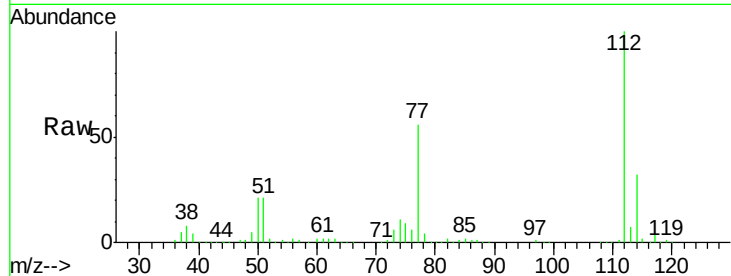
#65
Chlorobenzene
Concen: 47.82 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 201461
Ion Ratio Lower Upper
112 100
114 31.8 25.7 38.5

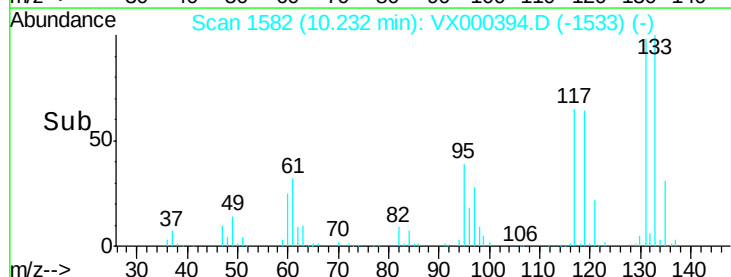
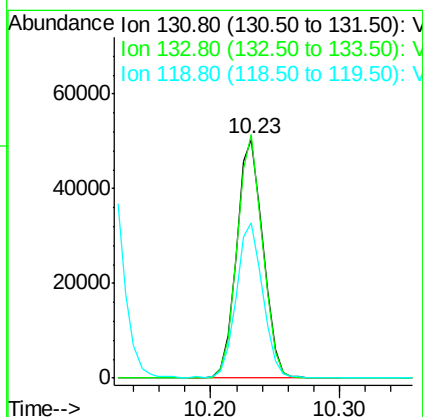
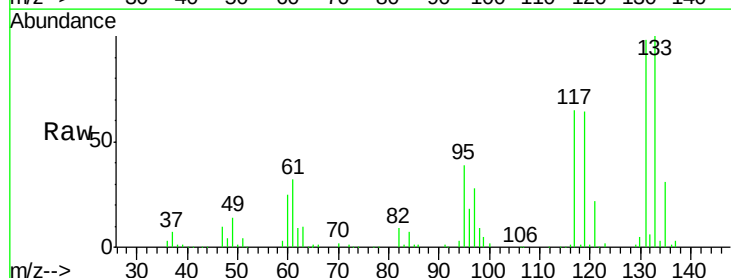
Manual Integrations
APPROVED

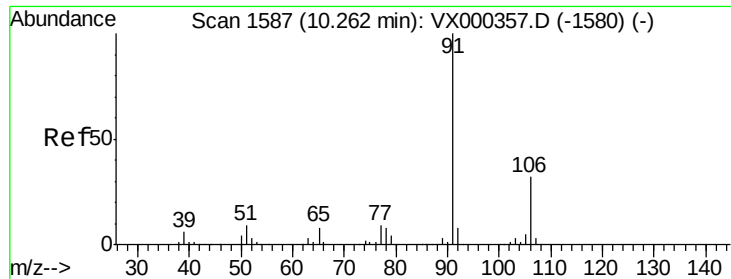
apatel
3/22/2018 2:44:33 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.01 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Tgt Ion:131 Resp: 71544
Ion Ratio Lower Upper
131 100
133 98.2 47.1 141.3
119 65.2 33.1 99.2





#67

Ethyl Benzene

Concen: 48.94 ug/l

RT: 10.26 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 349520

Ion Ratio Lower Upper

91 100

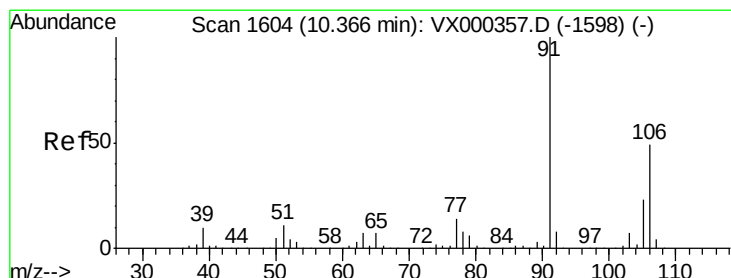
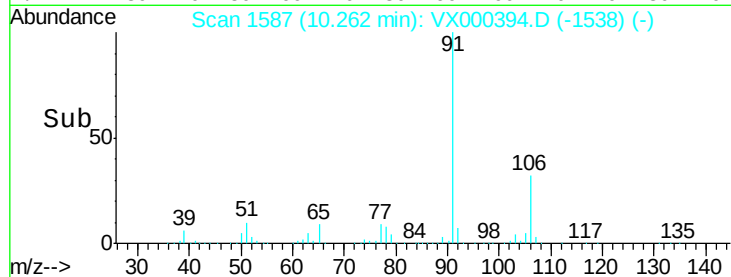
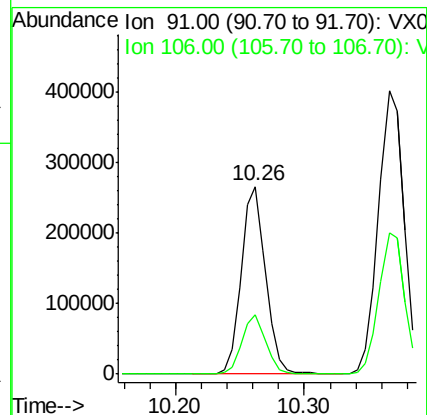
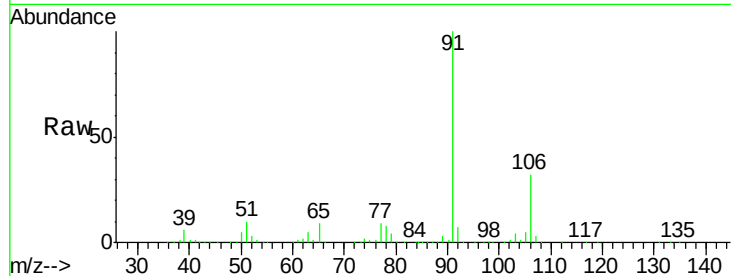
106 31.6 25.0 37.6

Manual Integrations

APPROVED

apatel

3/22/2018 2:44:33 PM



#68

m/p-Xylenes

Concen: 98.22 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX000394.D

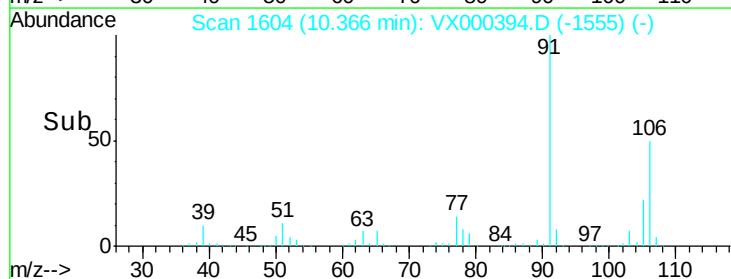
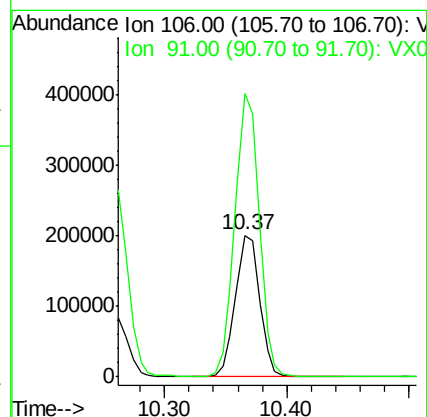
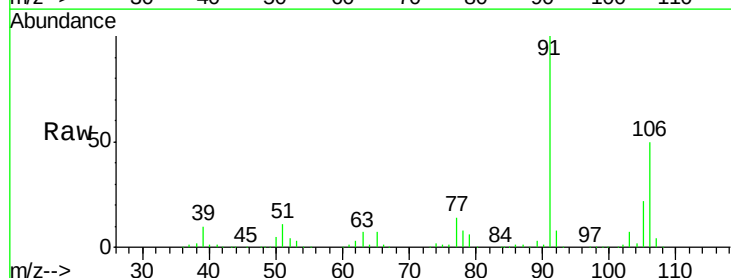
Acq: 21 Mar 2018 19:00

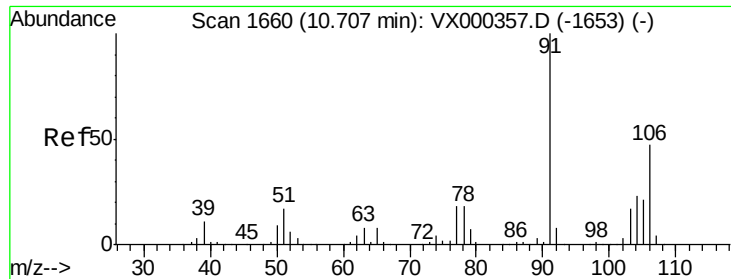
Tgt Ion: 106 Resp: 275997

Ion Ratio Lower Upper

106 100

91 200.2 163.4 245.2





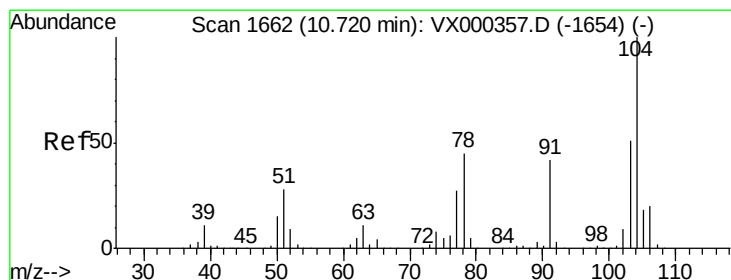
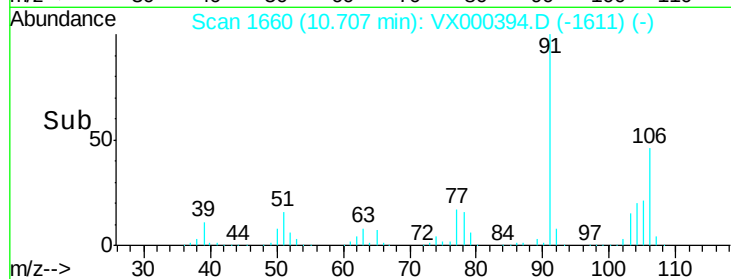
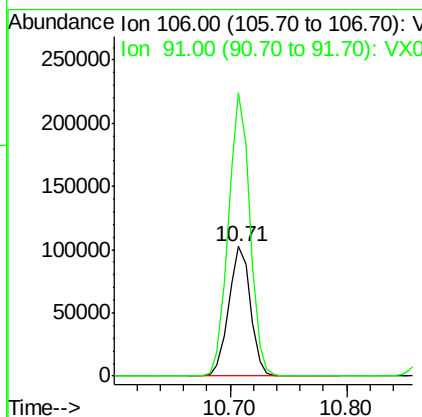
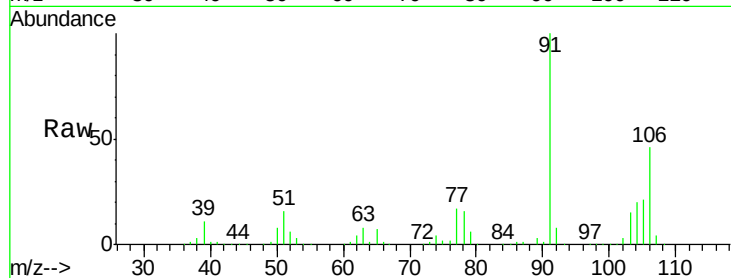
#69
o-Xylene
Concen: 49.16 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion:106 Resp: 133766
Ion Ratio Lower Upper
106 100
91 215.4 106.5 319.6

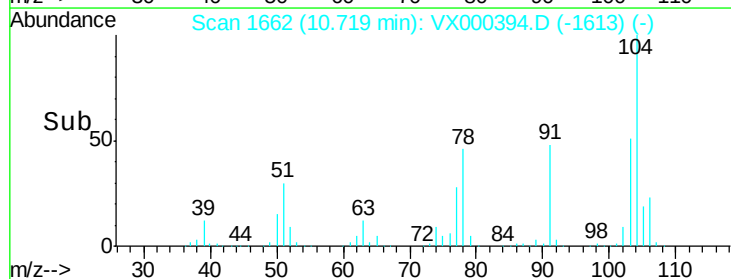
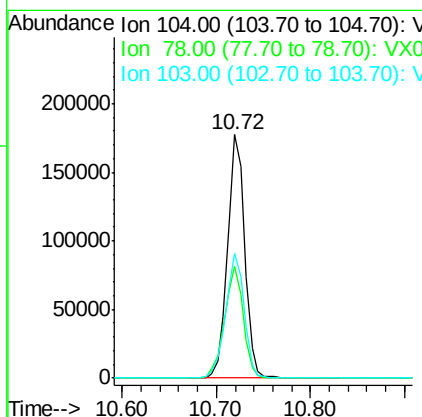
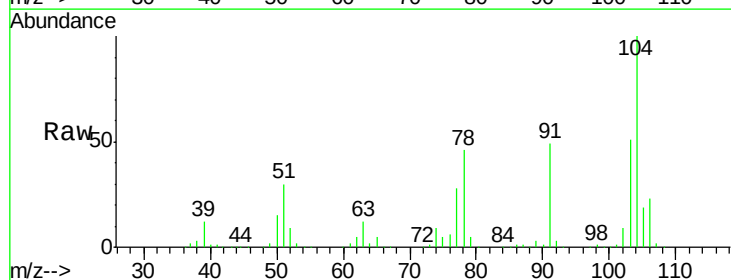
Manual Integrations
APPROVED

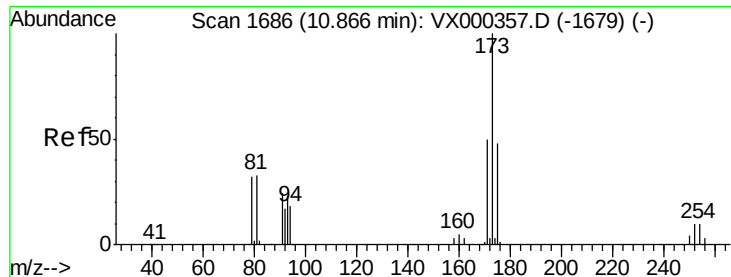
apatel
3/22/2018 2:44:33 PM



#70
Styrene
Concen: 50.09 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Tgt Ion:104 Resp: 225509
Ion Ratio Lower Upper
104 100
78 49.9 40.5 60.7
103 55.2 45.7 68.5





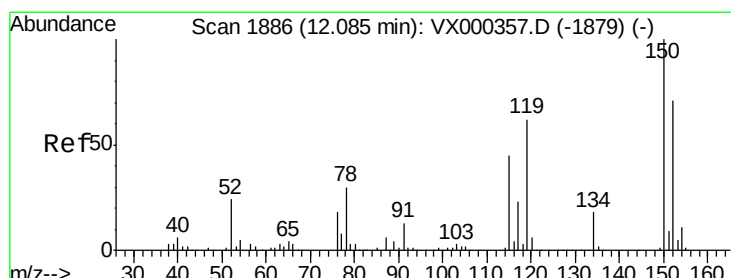
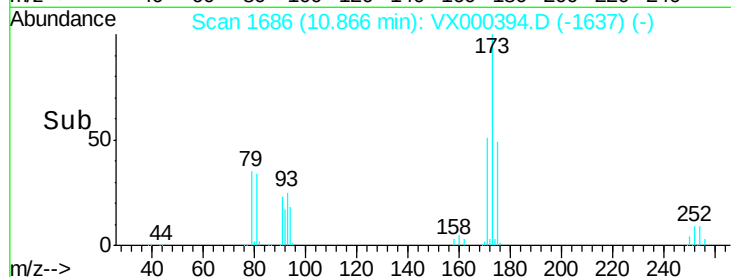
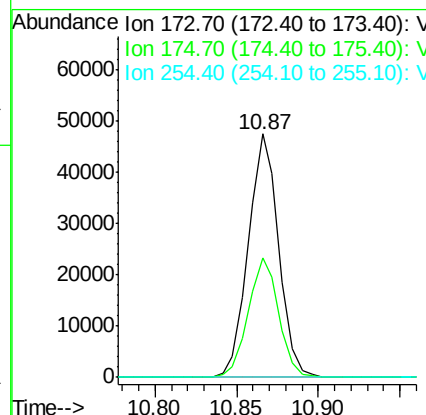
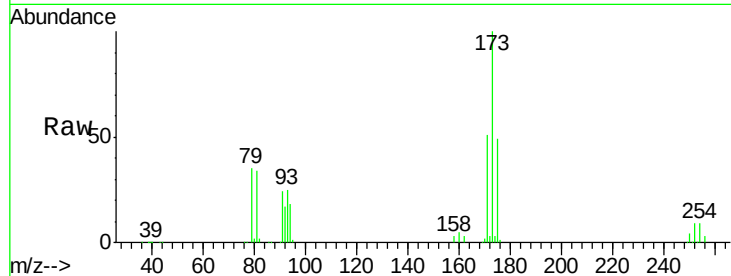
#71
Bromoform
Concen: 42.08 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 61490
Ion Ratio Lower Upper
173 100
175 49.2 25.4 76.4
254 0.0 0.0 0.0

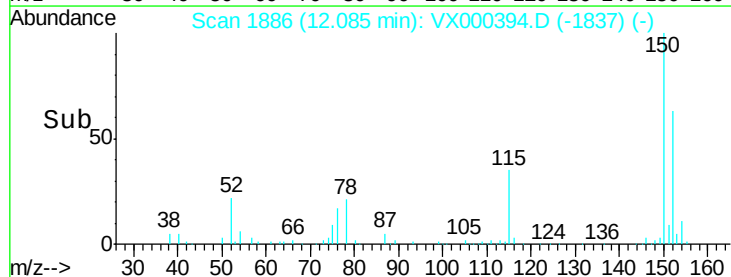
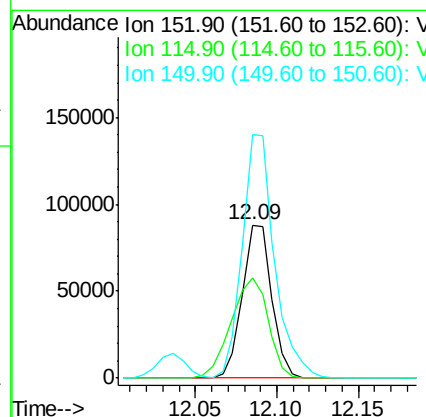
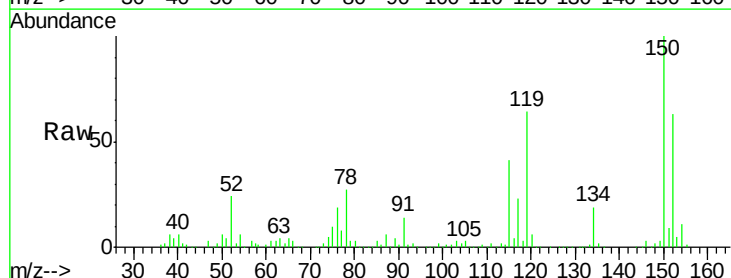
Manual Integrations
APPROVED

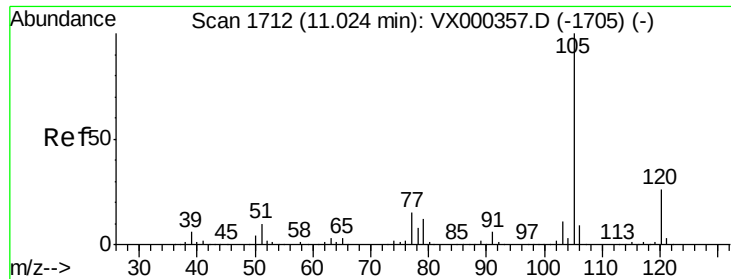
apatel
3/22/2018 2:44:33 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Tgt Ion:152 Resp: 110924
Ion Ratio Lower Upper
152 100
115 82.7 39.8 119.3
150 173.9 0.0 344.4





#73

Isopropylbenzene

Concen: 49.60 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 364566

Ion Ratio Lower Upper

105 100

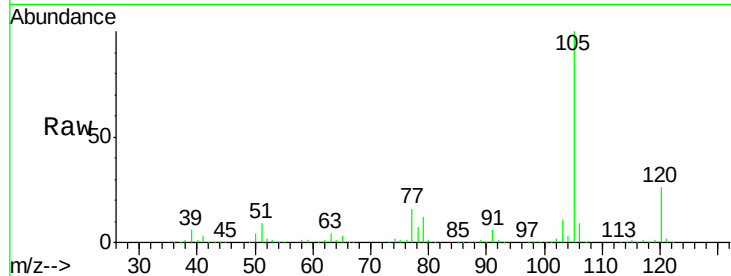
120 27.0 13.6 40.7

Manual Integrations

APPROVED

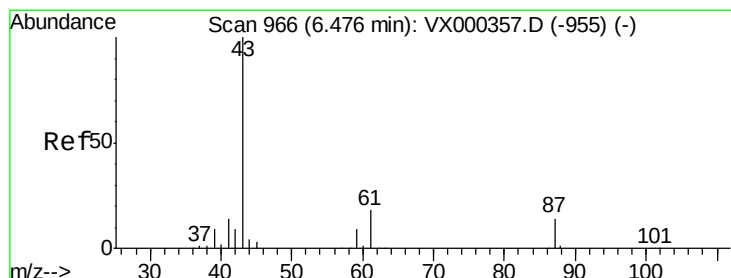
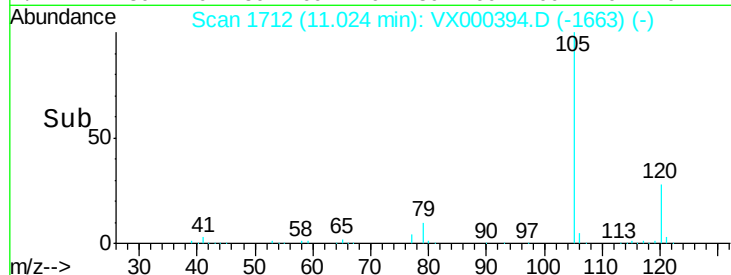
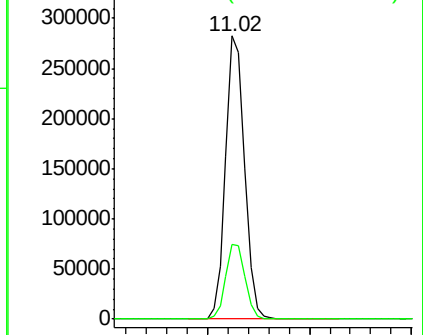
apatel

3/22/2018 2:44:33 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.99 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

Tgt Ion: 43 Resp: 178095

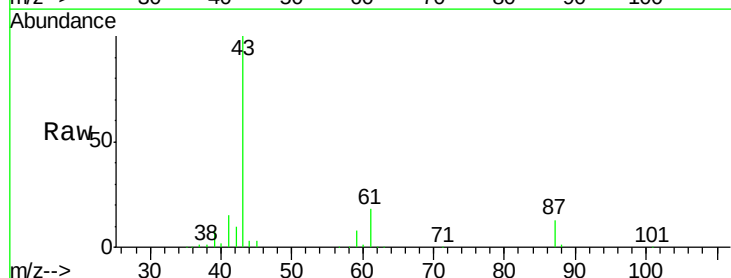
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 18.5 14.4 21.6

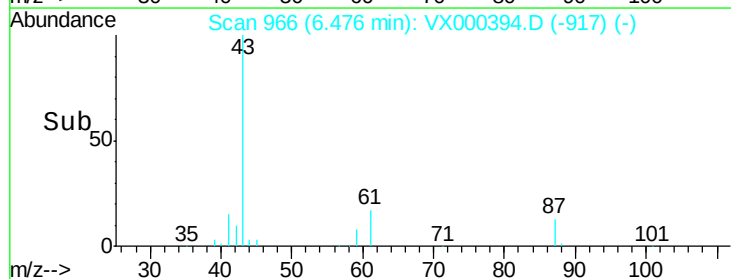
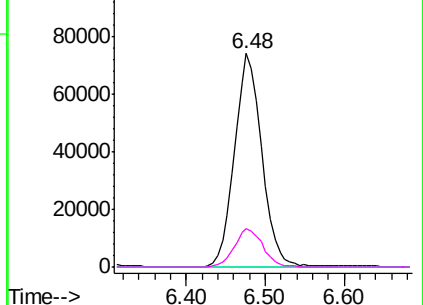


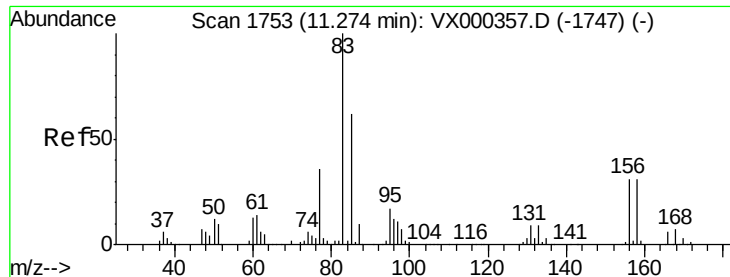
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.80 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 132049

Ion Ratio Lower Upper

83 100

131 10.1 5.0 14.9

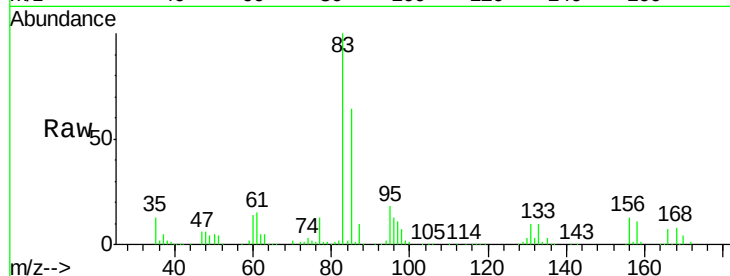
85 64.5 32.5 97.5

Manual Integrations

APPROVED

apatel

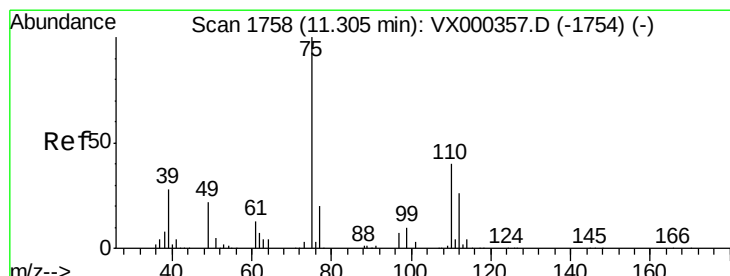
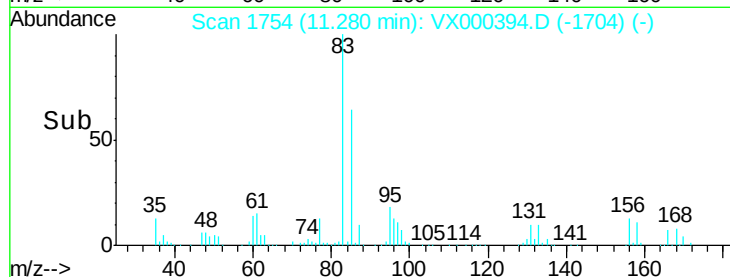
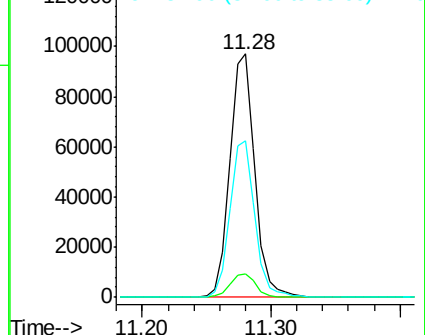
3/22/2018 2:44:33 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 48.89 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX000394.D

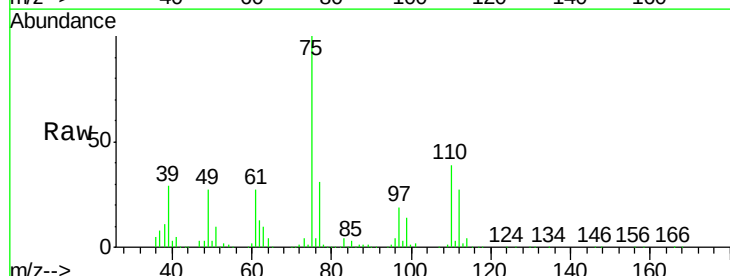
Acq: 21 Mar 2018 19:00

Tgt Ion: 75 Resp: 116541

Ion Ratio Lower Upper

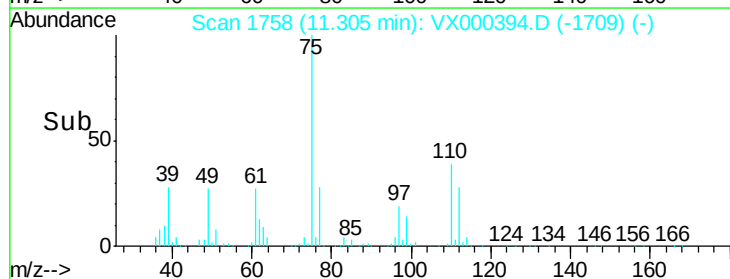
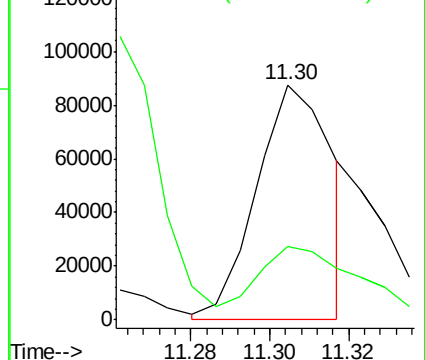
75 100

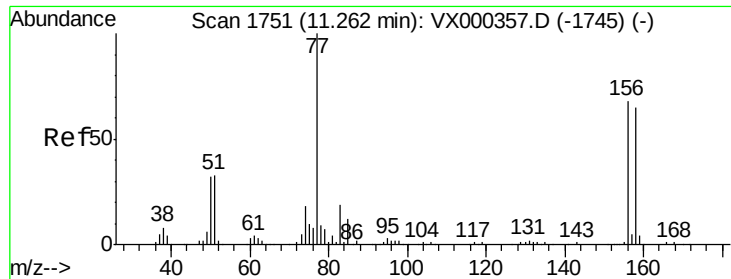
77 42.7 21.4 64.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 46.96 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.01 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 91942

Ion Ratio Lower Upper

156 100

77 145.4 73.4 220.2

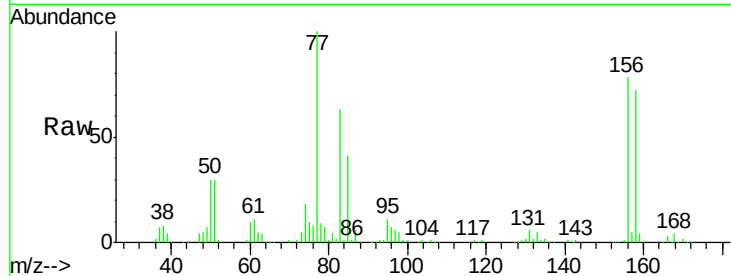
158 96.2 48.5 145.6

Manual Integrations

APPROVED

apatel

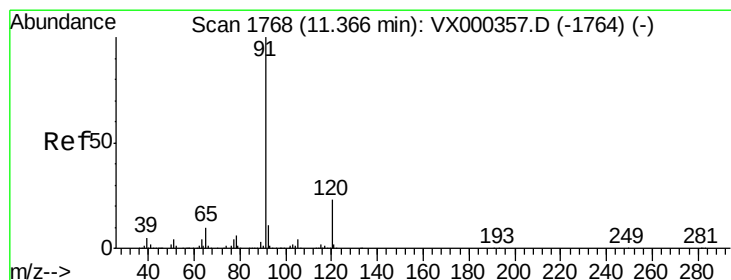
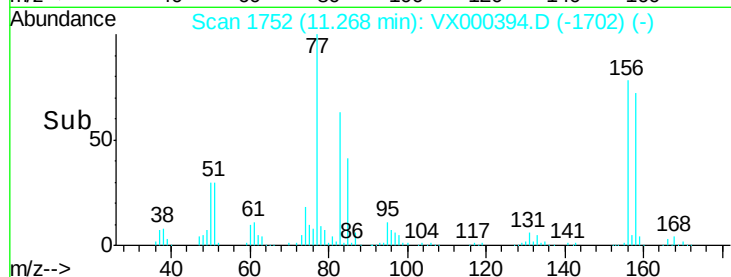
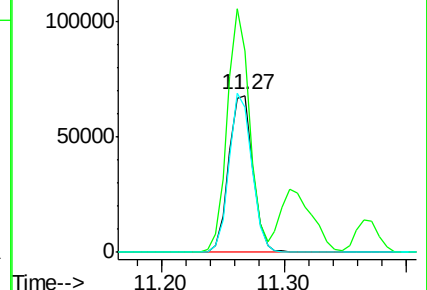
3/22/2018 2:44:33 PM



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: 49.08 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000394.D

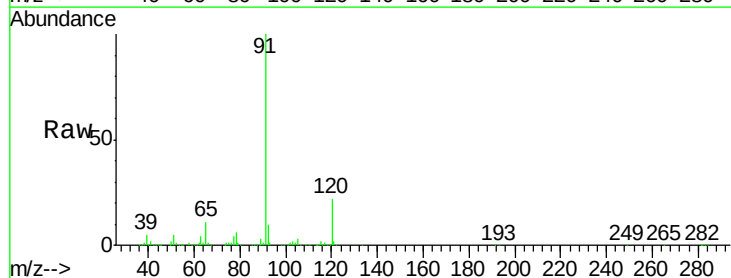
Acq: 21 Mar 2018 19:00

Tgt Ion: 91 Resp: 430087

Ion Ratio Lower Upper

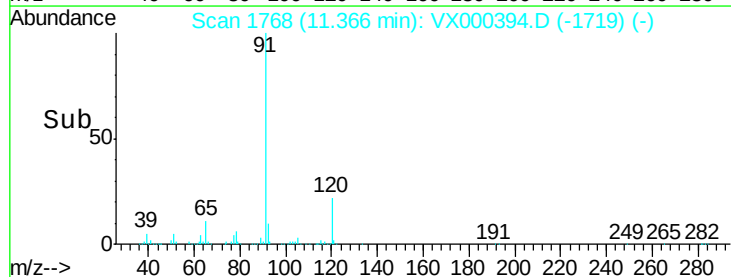
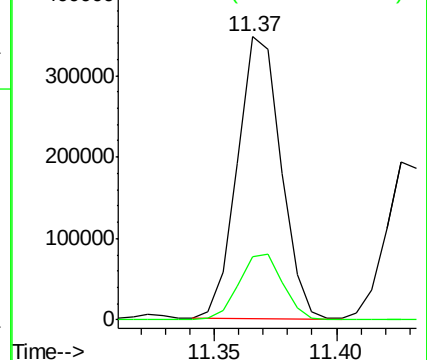
91 100

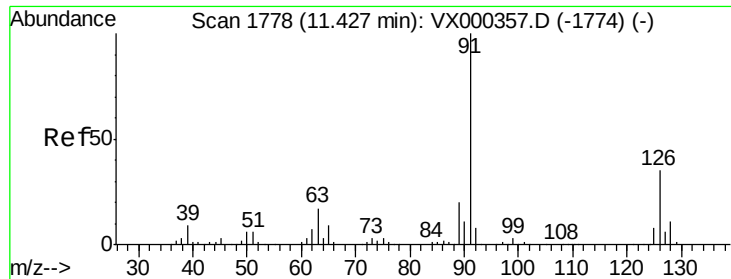
120 23.6 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.87 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 247396

Ion Ratio Lower Upper

91 100

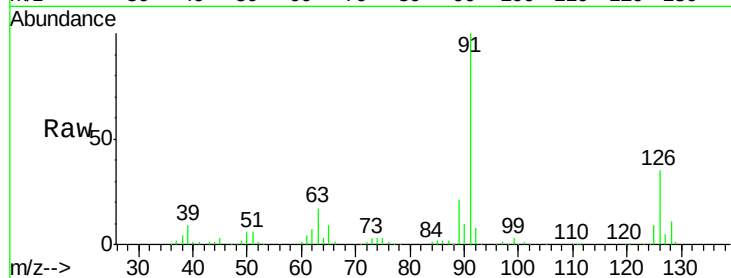
126 35.3 17.7 53.1

Manual Integrations

APPROVED

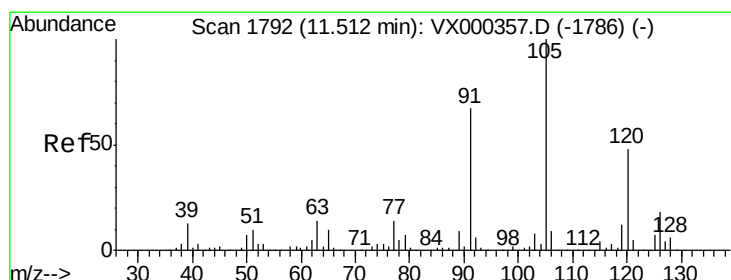
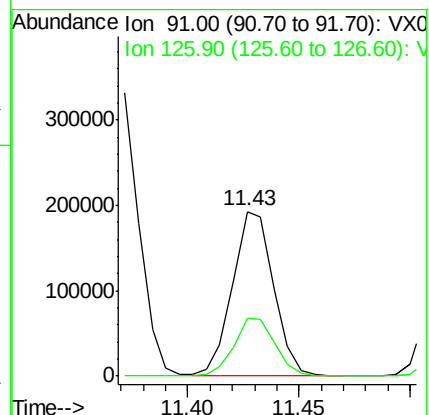
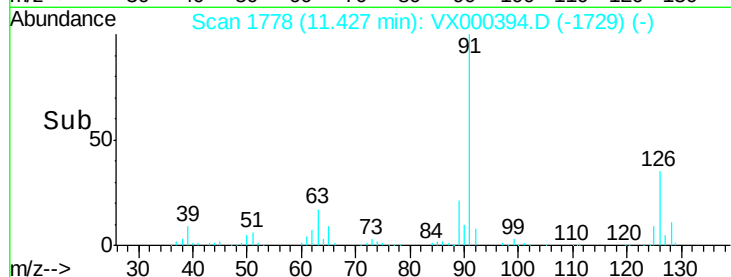
apatel

3/22/2018 2:44:33 PM



Abundance Ion 91.00 (90.70 to 91.70): VX000357.D (-1774) (-)

Ion 125.90 (125.60 to 126.60): VX000357.D (-1774) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.13 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000394.D

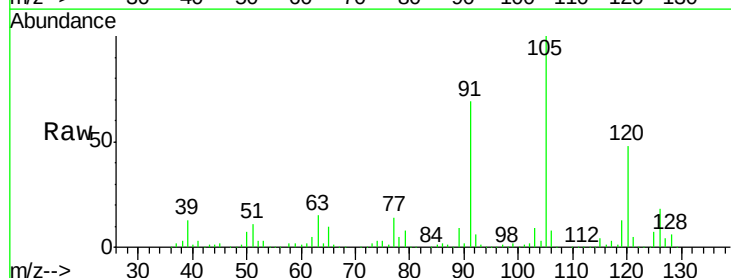
Acq: 21 Mar 2018 19:00

Tgt Ion: 105 Resp: 309791

Ion Ratio Lower Upper

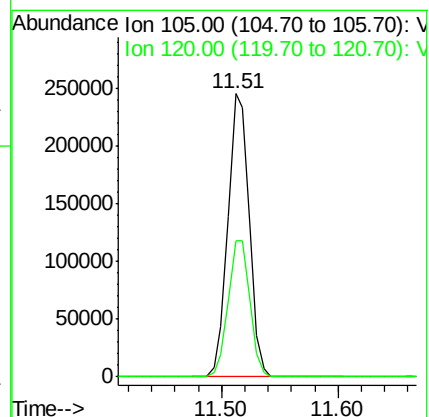
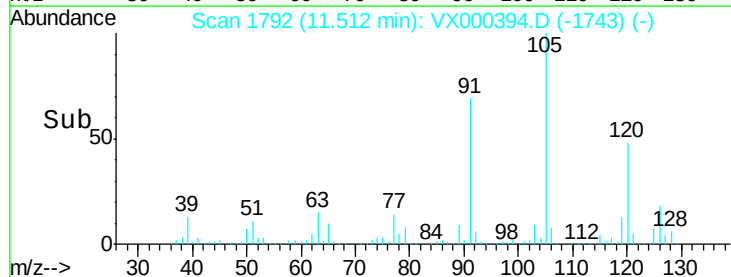
105 100

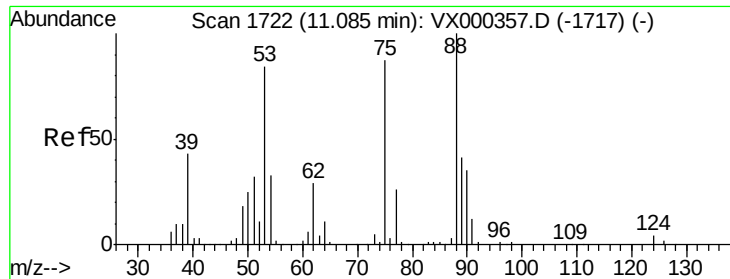
120 49.4 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VX000357.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX000357.D (-1786) (-)





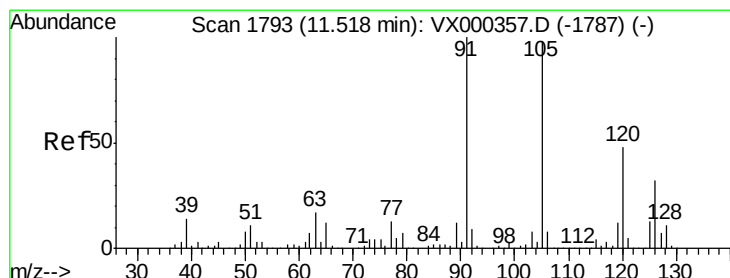
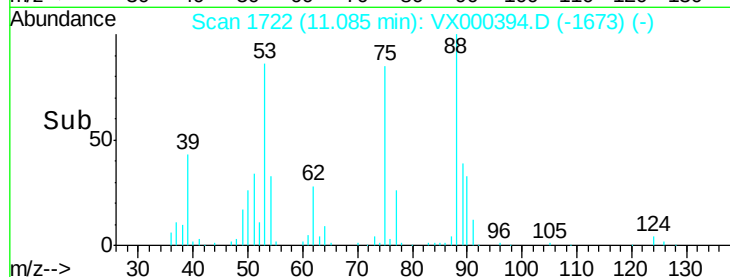
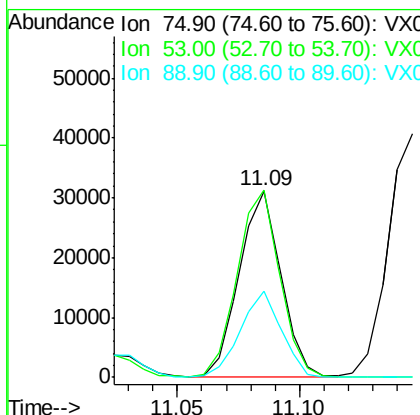
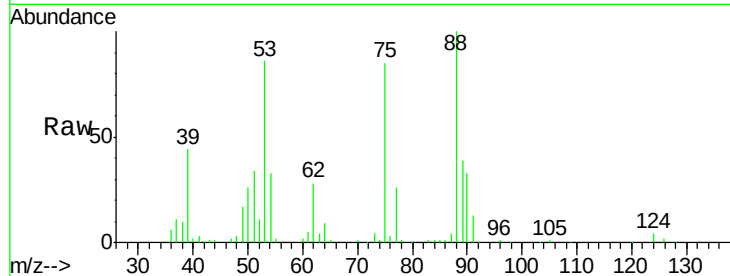
#81
trans-1,4-Dichloro-2-butene
Concen: 49.73 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. -0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.8	80.7	121.1
89	46.0	39.4	59.0

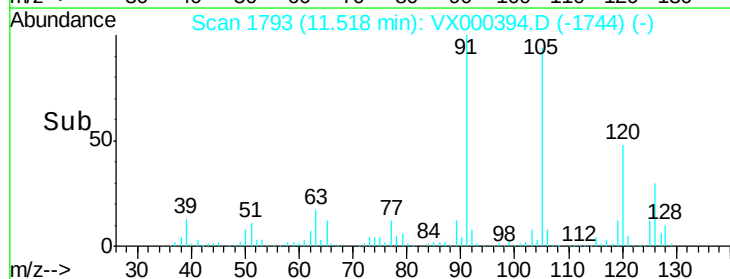
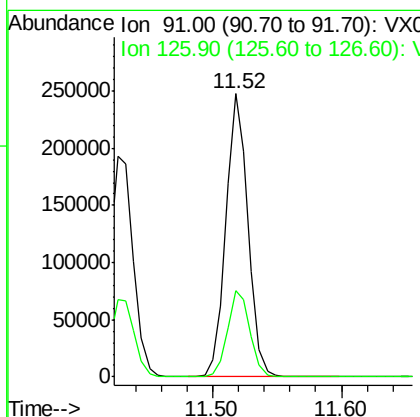
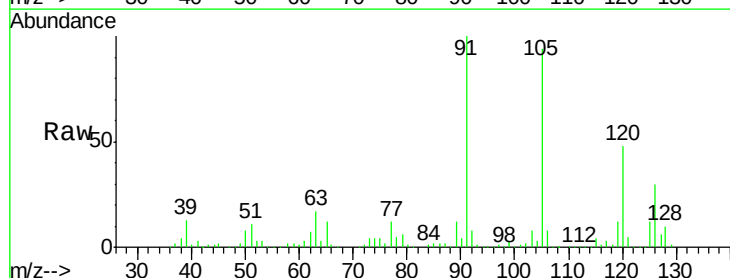
Manual Integrations
APPROVED

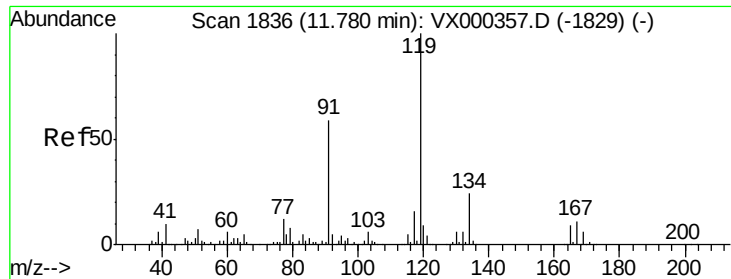
apatel
3/22/2018 2:44:33 PM



#82
4-Chlorotoluene
Concen: 49.52 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.4	46.1





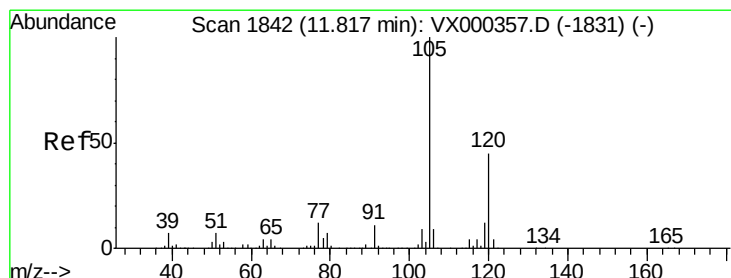
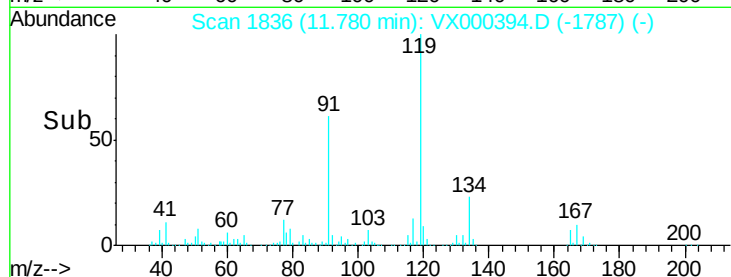
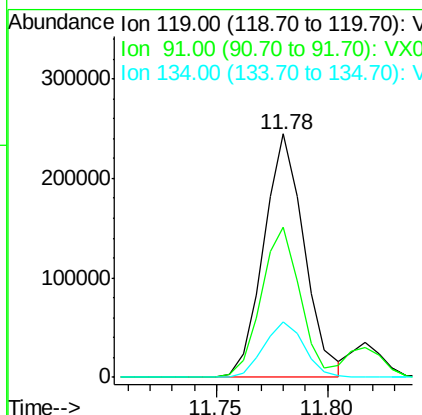
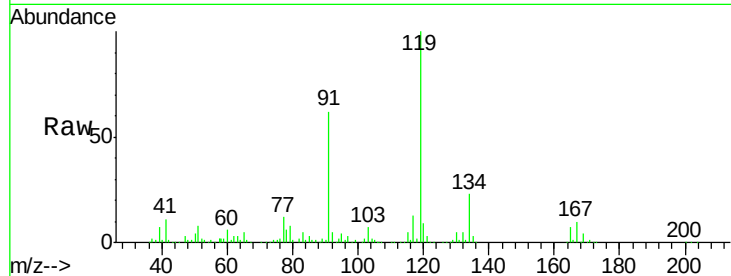
#83
 tert-Butylbenzene
 Concen: 49.72 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VX000394.D
 Acq: 21 Mar 2018 19:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	309860		
91	58.9	28.8	86.4	
134	22.7	11.4	34.1	

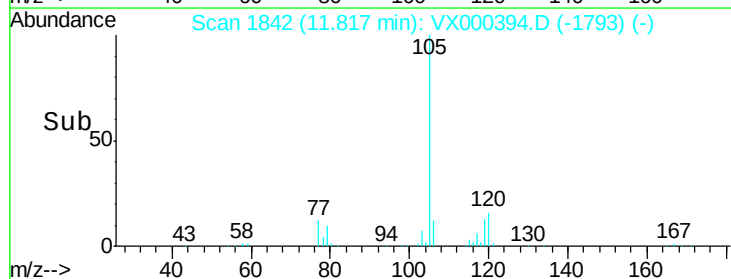
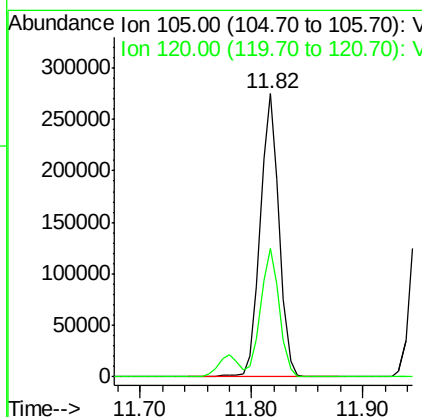
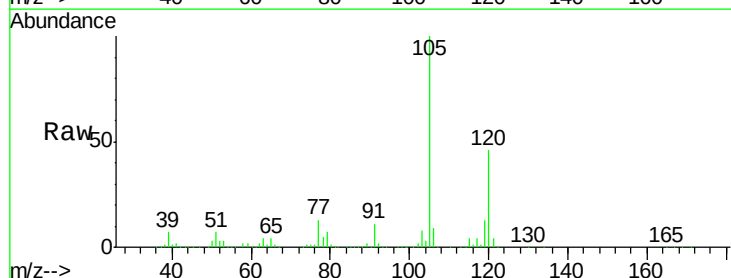
Manual Integrations
 APPROVED

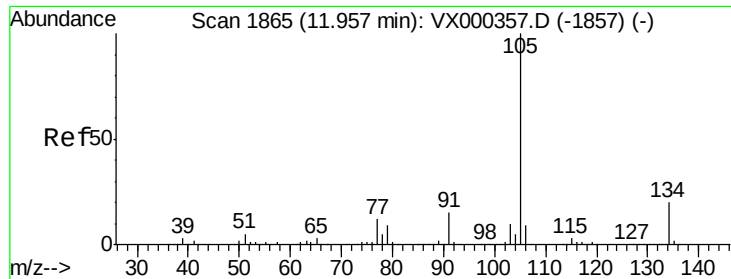
apatel
 3/22/2018 2:44:33 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.10 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000394.D
 Acq: 21 Mar 2018 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	324623		
120	45.1	22.4	67.3	





#85

sec-Butylbenzene

Concen: 50.31 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 387986

Ion Ratio Lower Upper

105 100

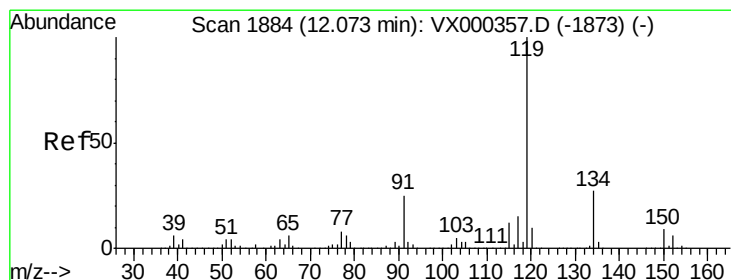
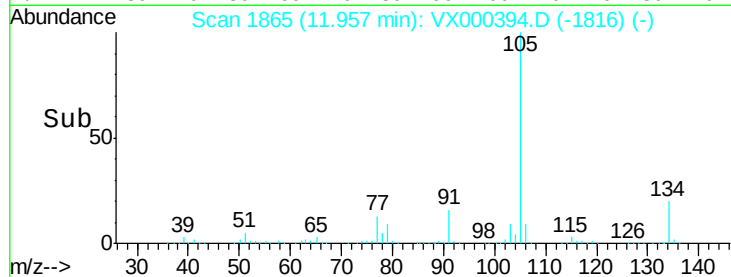
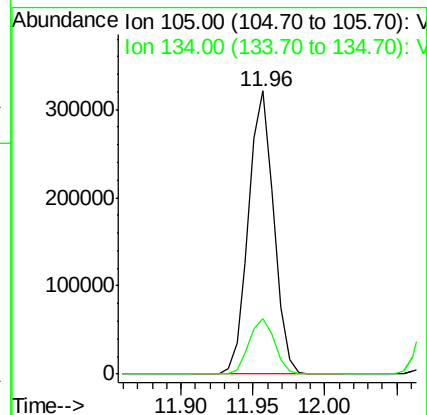
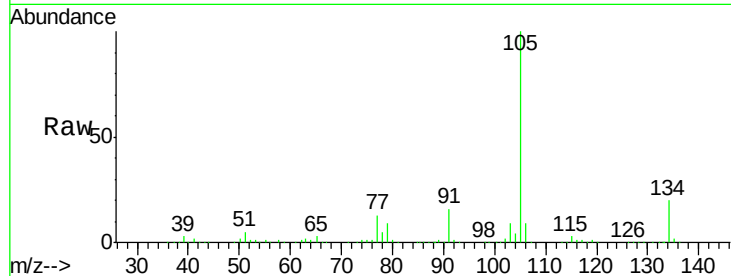
134 19.8 10.3 30.8

Manual Integrations

APPROVED

apatel

3/22/2018 2:44:33 PM



#86

p-Isopropyltoluene

Concen: 51.21 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

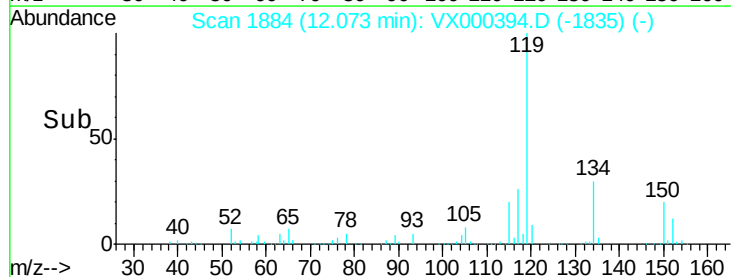
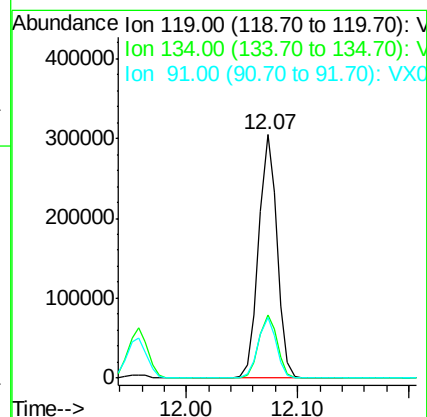
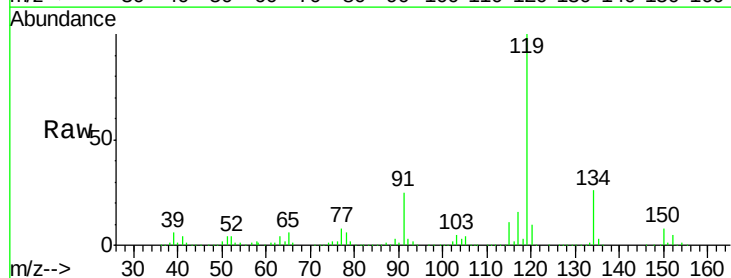
Tgt Ion:119 Resp: 350720

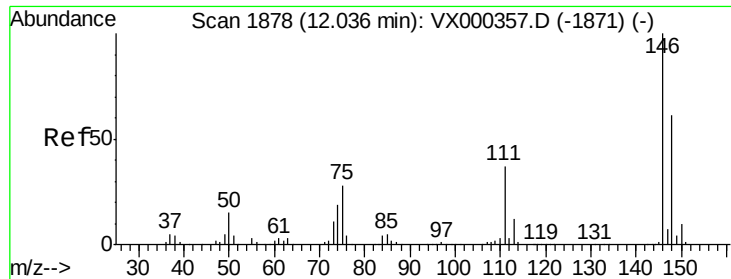
Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.9

91 24.5 12.0 36.1





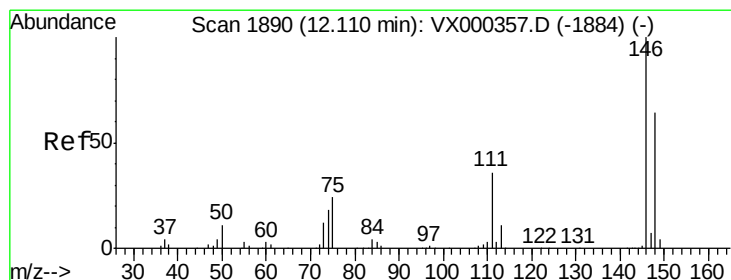
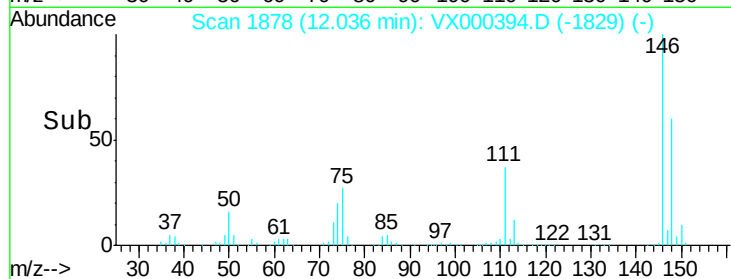
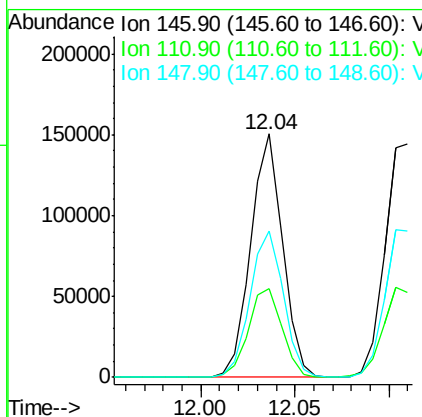
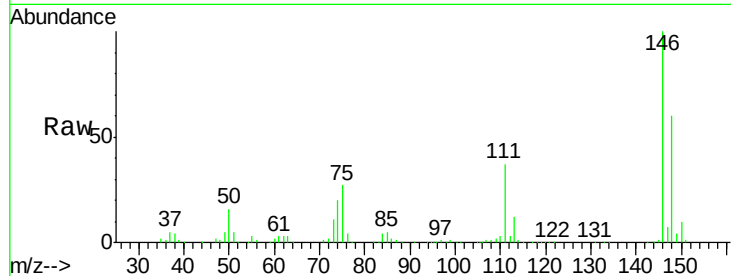
#87
 1,3-Dichlorobenzene
 Concen: 47.92 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VX000394.D
 Acq: 21 Mar 2018 19:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.5	58.5
148	62.7	32.4	97.0

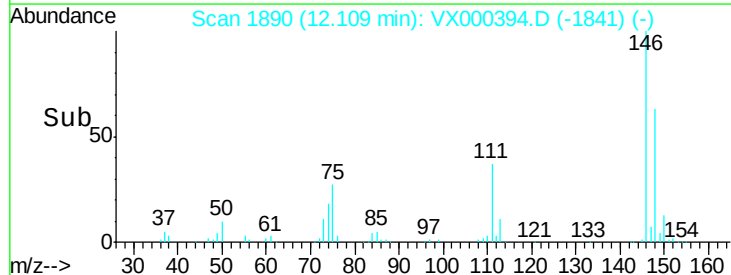
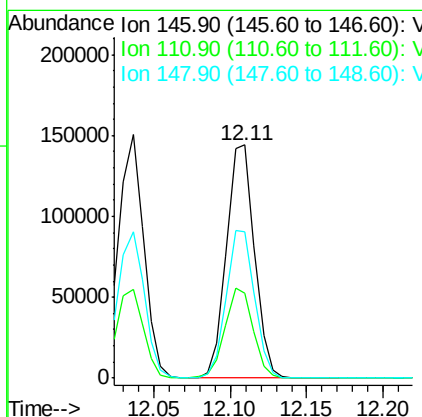
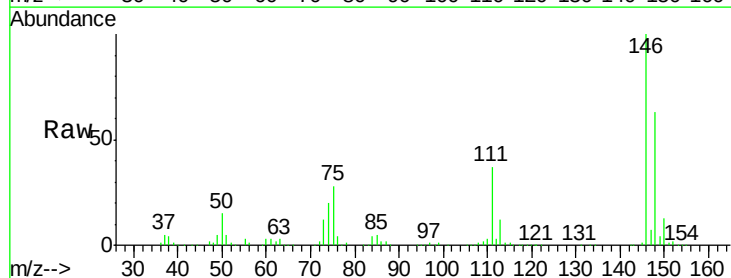
Manual Integrations
 APPROVED

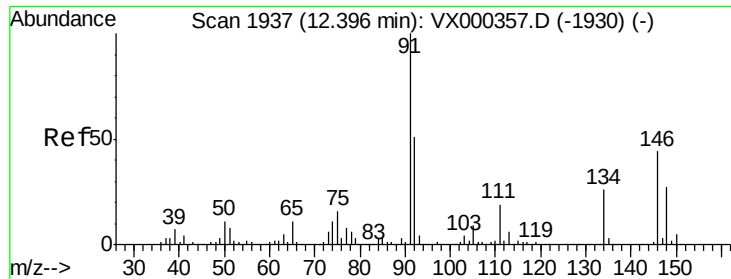
apatel
 3/22/2018 2:44:33 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.29 ug/l
 RT: 12.11 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VX000394.D
 Acq: 21 Mar 2018 19:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.9	56.9
148	64.0	31.0	93.0





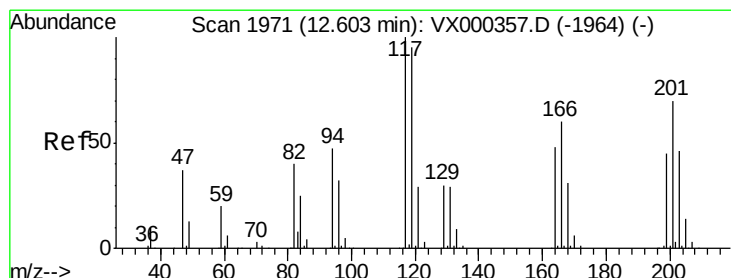
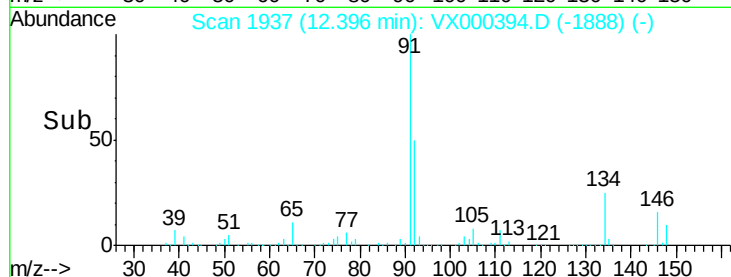
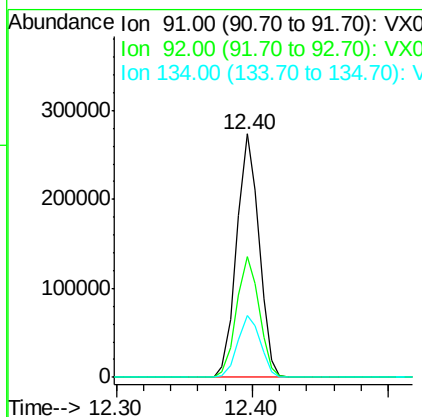
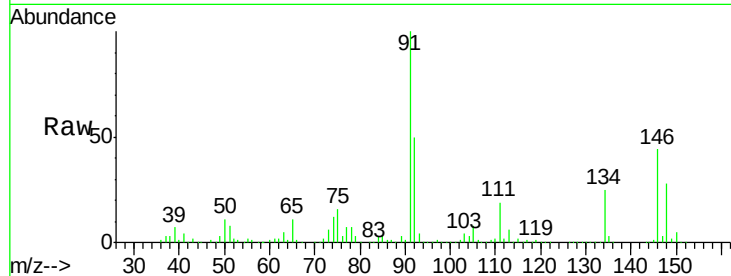
#89
n-Butylbenzene
Concen: 49.10 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	50.6	25.9	77.8	
134	25.8	13.1	39.3	

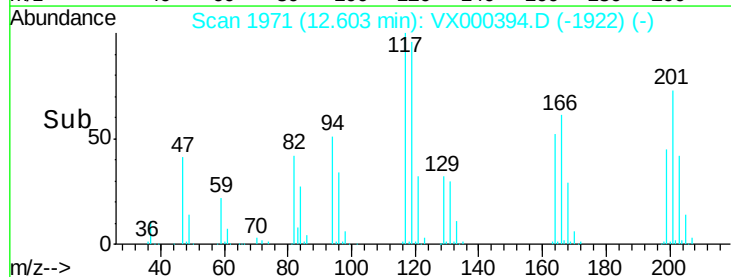
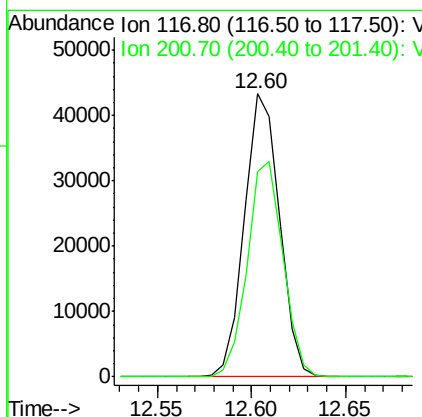
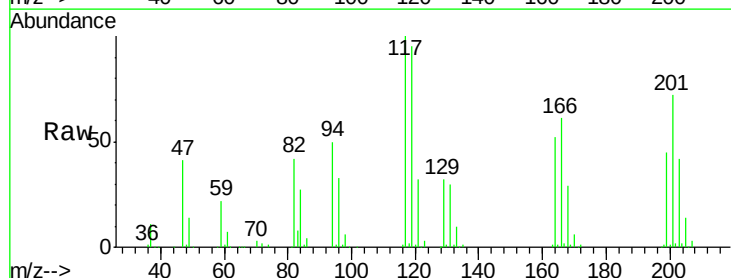
Manual Integrations
APPROVED

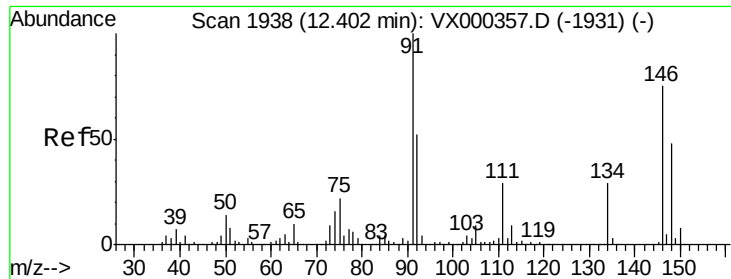
apatel
3/22/2018 2:44:33 PM



#90
Hexachloroethane
Concen: 52.01 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000394.D
Acq: 21 Mar 2018 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	77.1	37.9	113.6	





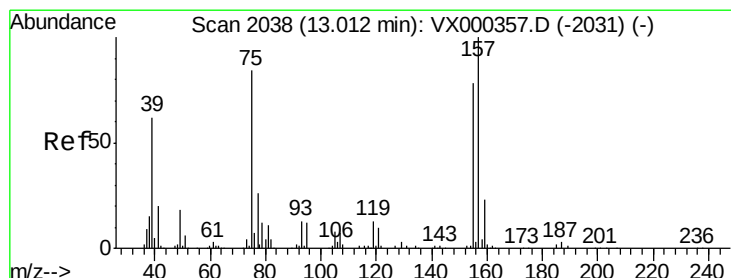
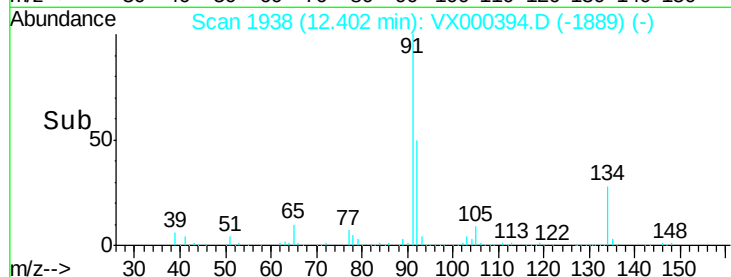
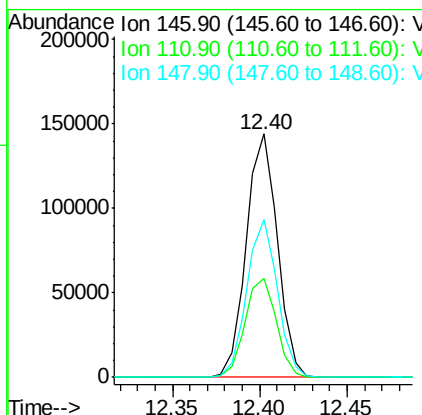
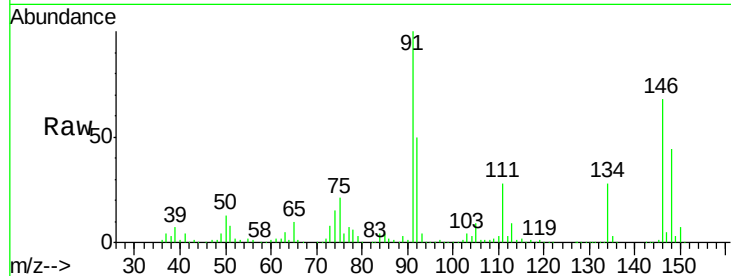
#91
 1,2-Dichlorobenzene
 Concen: 49.09 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VX000394.D
 Acq: 21 Mar 2018 19:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	178165		
111	40.9	20.1	60.2	
148	63.9	31.2	93.6	

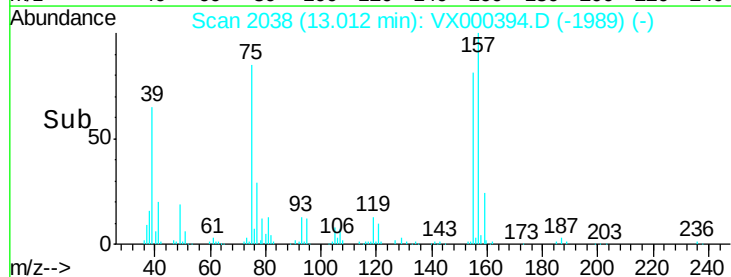
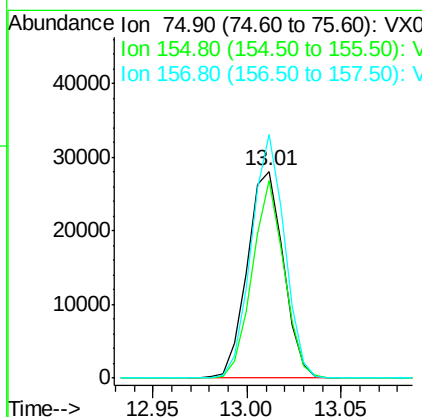
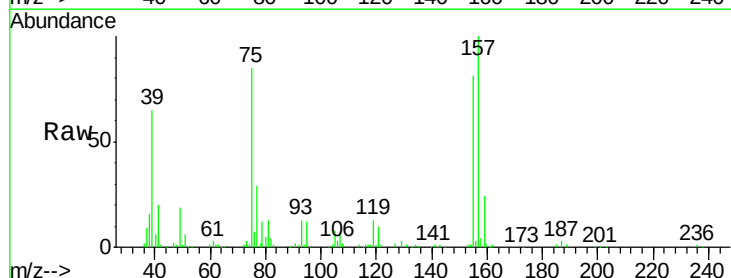
Manual Integrations
 APPROVED

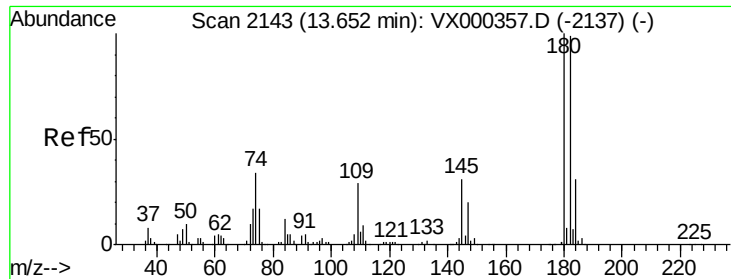
apatel
 3/22/2018 2:44:33 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.43 ug/l
 RT: 13.01 min Scan# 2038
 Delta R.T. -0.00 min
 Lab File: VX000394.D
 Acq: 21 Mar 2018 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	37282		
155	84.4	45.0	134.8	
157	108.3	58.1	174.2	





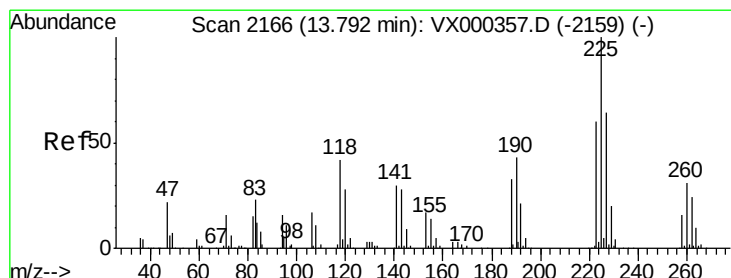
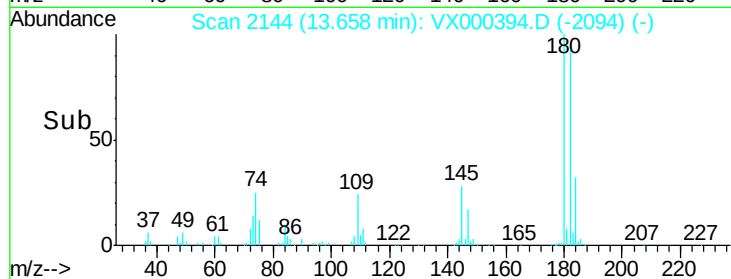
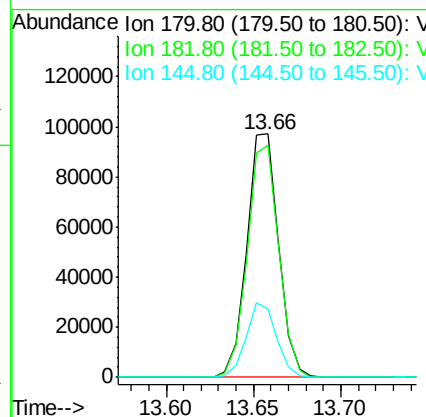
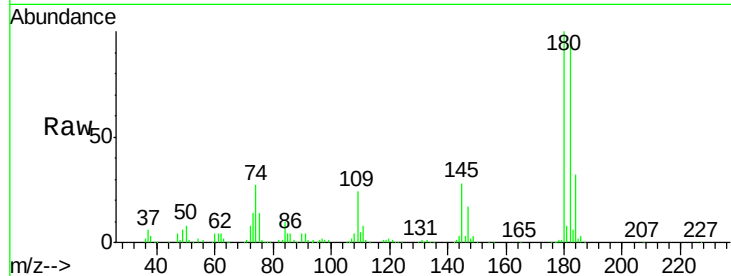
#93
 1,2,4-Trichlorobenzene
 Concen: 46.88 ug/l
 RT: 13.66 min Scan# 2144
 Delta R.T. 0.01 min
 Lab File: VX000394.D
 Acq: 21 Mar 2018 19:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	121978
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.6	142.9
145	29.3	15.1	45.3

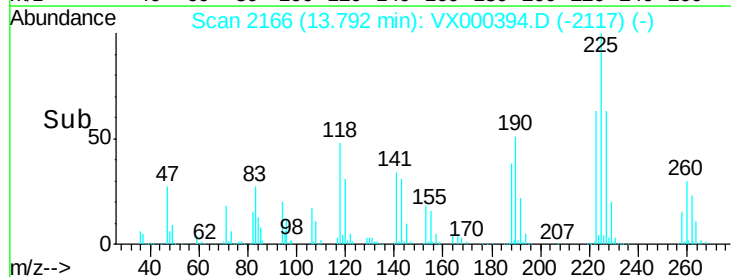
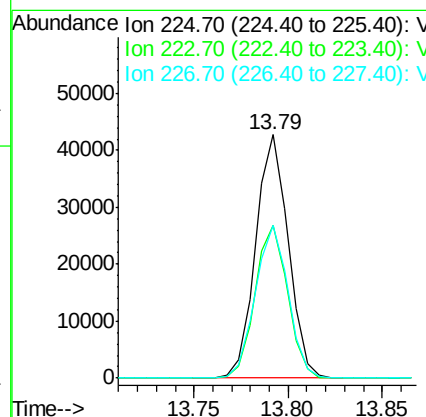
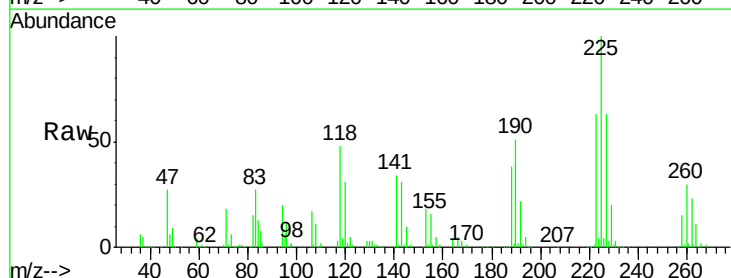
Manual Integrations
 APPROVED

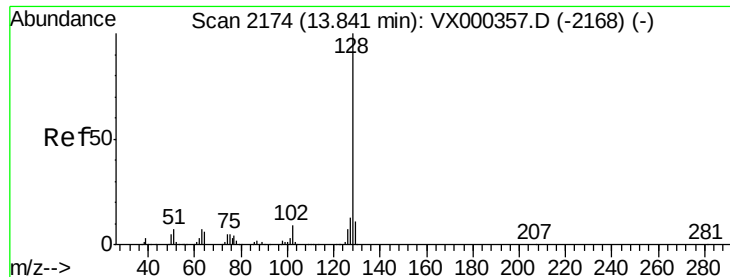
apatel
 3/22/2018 2:44:33 PM



#94
 Hexachlorobutadiene
 Concen: 47.44 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VX000394.D
 Acq: 21 Mar 2018 19:00

Tgt Ion:	225	Resp:	51108
Ion Ratio	Lower	Upper	
225	100		
223	62.7	32.0	96.0
227	63.3	32.6	98.0





#95

Naphthalene

Concen: 50.16 ug/l

RT: 13.85 min Scan# 2175

Delta R.T. 0.01 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

Instrument :

MSVOA_X

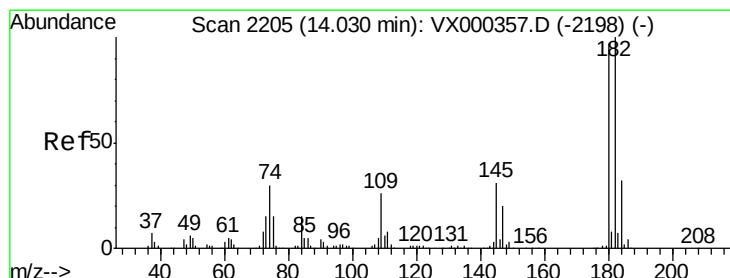
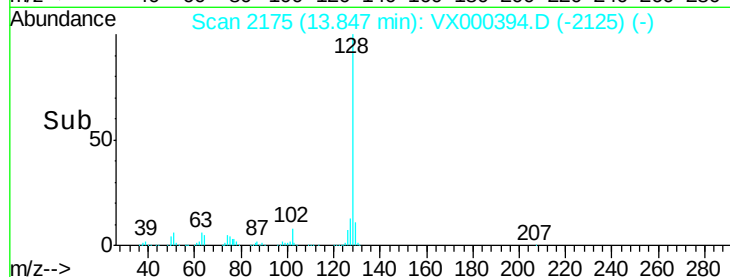
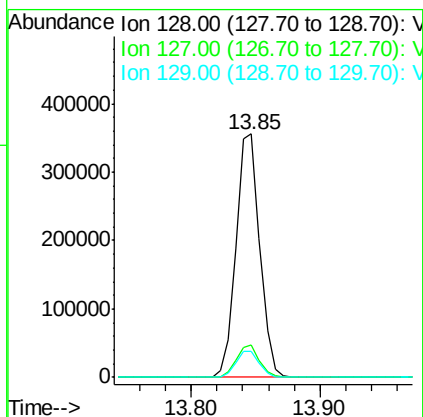
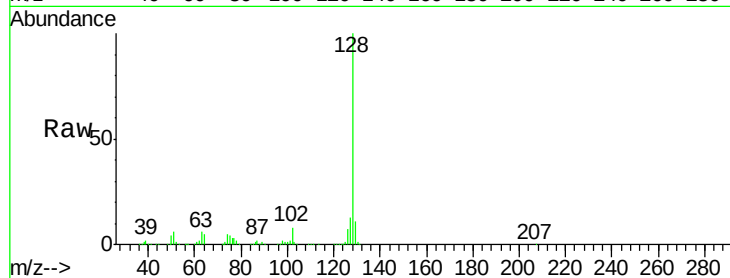
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	454604
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	15.8
129	10.7	8.9	13.3

Manual Integrations
APPROVED

apatel
3/22/2018 2:44:33 PM



#96

1,2,3-Trichlorobenzene

Concen: 47.65 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VX000394.D

Acq: 21 Mar 2018 19:00

Tgt Ion:	180	Resp:	122509
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.4	142.3
145	31.3	15.8	47.3

