

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031218\
 Data File : VX000272.D
 Acq On : 12 Mar 2018 12:07
 Operator : JC/MD
 Sample : VX0312MBS01
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312MBS01

Manual Integrations
 APPROVED

apatel
 3/13/2018 10:58:31 AM

Quant Time: Mar 13 04:52:35 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 02:15:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	131102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	218912	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	221999	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	130201	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	92562	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
35) Dibromofluoromethane	5.52	113	70524	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
50) Toluene-d8	8.73	98	280649	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	11.15	95	107838	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	26061	18.24	ug/l	100
3) Chloromethane	1.32	50	28654	20.55	ug/l	99
4) Vinyl Chloride	1.41	62	32547	20.02	ug/l	100
5) Bromomethane	1.65	94	30683	17.45	ug/l	99
6) Chloroethane	1.73	64	21285	20.73	ug/l	99
7) Trichlorofluoromethane	1.94	101	55176	20.46	ug/l	97
8) Diethyl Ether	2.20	74	20020	20.23	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	30210	20.06	ug/l	99
10) Methyl Iodide	2.52	142	19251	14.56	ug/l	97
11) Tert butyl alcohol	3.07	59	60420	90.48	ug/l	99
12) 1,1-Dichloroethene	2.39	96	27243	19.70	ug/l	92
13) Acrolein	2.30	56	35488	101.08	ug/l	95
14) Allyl chloride	2.74	41	52269	20.46	ug/l	99
15) Acrylonitrile	3.16	53	115368	99.27	ug/l	99
16) Acetone	2.45	43	128124	98.17	ug/l	97
17) Carbon Disulfide	2.58	76	70068	18.49	ug/l	99
18) Methyl Acetate	2.79	43	55769	20.06	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	101685	20.65	ug/l	99
20) Methylene Chloride	2.87	84	31380	20.16	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	30542	20.08	ug/l	98
22) Diisopropyl ether	3.89	45	95313	21.73	ug/l	97
23) Vinyl Acetate	3.84	43	468411	110.80	ug/l	99
24) 1,1-Dichloroethane	3.71	63	56469	21.00	ug/l	99
25) 2-Butanone	4.73	43	153735	95.45	ug/l	96
26) 2,2-Dichloropropane	4.60	77	38937	19.81	ug/l	99
27) cis-1,2-Dichloroethene	4.61	96	29658	20.57	ug/l	96
28) Bromochloromethane	5.03	49	23495	20.56	ug/l	98
29) Tetrahydrofuran	5.18	42	95356	94.26	ug/l	99
30) Chloroform	5.23	83	52487	20.19	ug/l	94
31) Cyclohexane	5.59	56	38911	19.57	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	46326	20.55	ug/l	98
36) 1,1-Dichloropropene	5.82	75	38393	19.71	ug/l	98
37) Ethyl Acetate	4.88	43	52912	18.80	ug/l	100
38) Carbon Tetrachloride	5.80	117	38405	19.48	ug/l #	94

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031218\
 Data File : VX000272.D
 Acq On : 12 Mar 2018 12:07
 Operator : JC/MD
 Sample : VX0312MBS01
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0312MBS01

Manual Integrations
 APPROVED

apatel
 3/13/2018 10:58:31 AM

Quant Time: Mar 13 04:52:35 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 02:15:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	45095	18.87	ug/l	97
40) Benzene	6.16	78	109762	19.54	ug/l	98
41) Methacrylonitrile	5.07	41	26778	18.66	ug/l	99
42) 1,2-Dichloroethane	6.21	62	43978	19.96	ug/l	100
43) Isopropyl Acetate	6.48	43	77659	19.08	ug/l	99
44) Trichloroethene	7.22	130	31640	19.68	ug/l	99
45) 1,2-Dichloropropane	7.52	63	28186	19.81	ug/l	92
46) Dibromomethane	7.67	93	21825	19.39	ug/l	93
47) Bromodichloromethane	7.91	83	39453	19.92	ug/l	93
48) Methyl methacrylate	7.79	41	38395	19.15	ug/l	96
49) 1,4-Dioxane	7.77	88	16937	372.17	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	301371	98.10	ug/l	97
52) Toluene	8.79	92	76115	19.77	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	47025	20.15	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	45777	20.28	ug/l	97
55) 1,1,2-Trichloroethane	9.23	97	31195	20.00	ug/l	98
56) Ethyl methacrylate	9.19	69	48242	20.67	ug/l	96
57) 1,3-Dichloropropane	9.38	76	51458	19.65	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	120767	102.49	ug/l	97
59) 2-Hexanone	9.51	43	250878	95.78	ug/l	99
60) Dibromochloromethane	9.59	129	32034	19.48	ug/l	98
61) 1,2-Dibromoethane	9.68	107	35185	20.32	ug/l	97
64) Tetrachloroethene	9.34	164	31262	20.13	ug/l	96
65) Chlorobenzene	10.15	112	91220	20.35	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	30676	20.01	ug/l	96
67) Ethyl Benzene	10.26	91	153532	19.62	ug/l	100
68) m/p-Xylenes	10.37	106	117879	39.14	ug/l	96
69) o-Xylene	10.71	106	58828	20.32	ug/l	99
70) Styrene	10.72	104	96480	20.09	ug/l	99
71) Bromoform	10.87	173	24990	18.10	ug/l #	99
73) Isopropylbenzene	11.02	105	155986	19.14	ug/l	100
74) N-amyl acetate	6.48	43	77659	18.62	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	57497	20.12	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	51429m	19.71	ug/l	
77) Bromobenzene	11.26	156	39820	18.89	ug/l	95
78) n-propylbenzene	11.37	91	187834	19.58	ug/l	98
79) 2-Chlorotoluene	11.43	91	106530	19.68	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	135679	19.94	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.09	75	14645	17.18	ug/l	88
82) 4-Chlorotoluene	11.52	91	132209	20.09	ug/l	98
83) tert-Butylbenzene	11.78	119	129940	19.62	ug/l	97
84) 1,2,4-Trimethylbenzene	11.82	105	140414	20.06	ug/l	99
85) sec-Butylbenzene	11.96	105	169096	20.19	ug/l	98
86) p-Isopropyltoluene	12.07	119	149659	20.26	ug/l	98
87) 1,3-Dichlorobenzene	12.04	146	79127	19.75	ug/l	99
88) 1,4-Dichlorobenzene	12.11	146	83675	19.93	ug/l	99
89) n-Butylbenzene	12.40	91	144390	20.30	ug/l	98
90) Hexachloroethane	12.60	117	21701	18.23	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	80657	20.33	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	15133	18.86	ug/l	95

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031218\
Data File : VX000272.D
Acq On : 12 Mar 2018 12:07
Operator : JC/MD
Sample : VX0312MBS01
Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0312MBS01

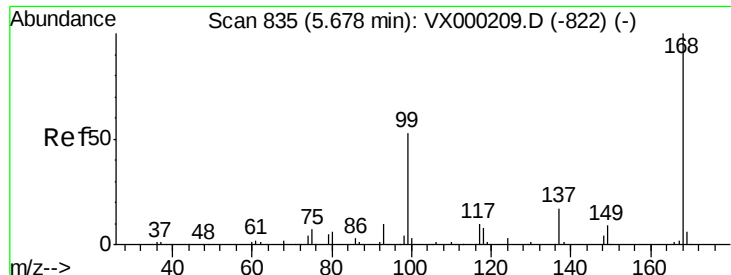
Manual Integrations
APPROVED

apatel
3/13/2018 10:58:31 AM

Quant Time: Mar 13 04:52:35 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 08 02:15:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	56630	19.62	ug/l	100
94) Hexachlorobutadiene	13.79	225	22739	18.93	ug/l	99
95) Naphthalene	13.84	128	202445	20.10	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	56380	19.75	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.00 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Tot Ion: 168 Resp: 131102

Ion Ratio Lower Upper

168 100

99 54.7 42.8 64.2

Instrument :

MSVOA_X

ClientSampleId :

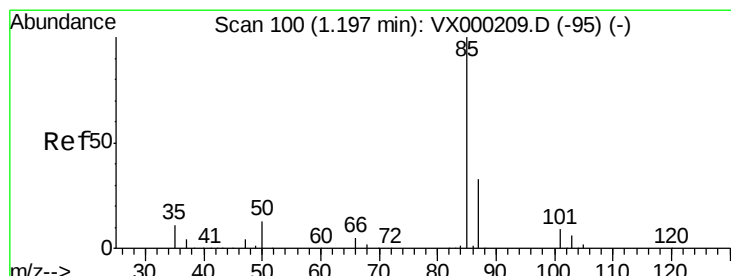
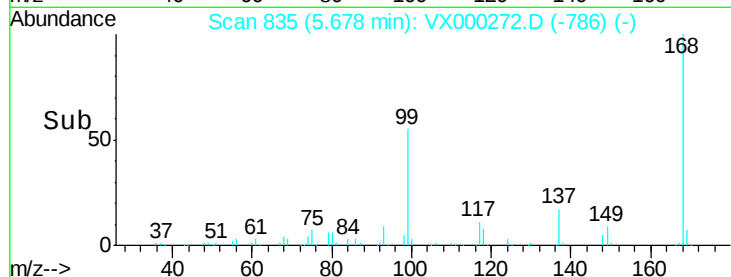
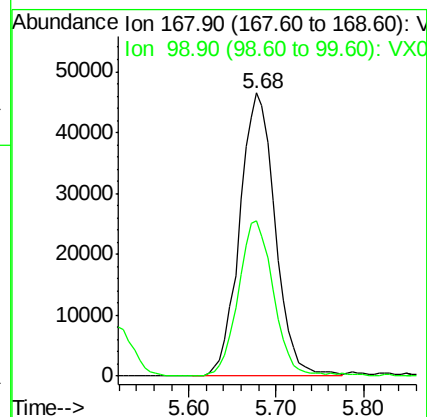
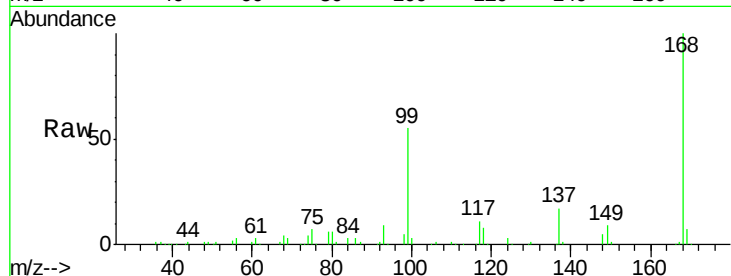
VX0312MBS01

Manual Integrations

APPROVED

apatel

3/13/2018 10:58:31 AM



#2

Dichlorodifluoromethane

Concen: 18.24 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX000272.D

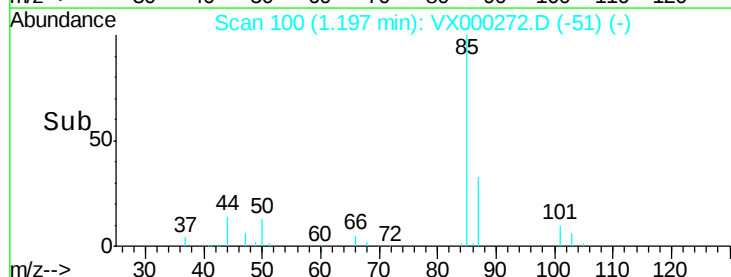
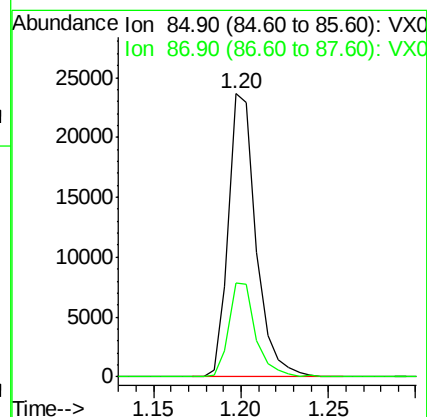
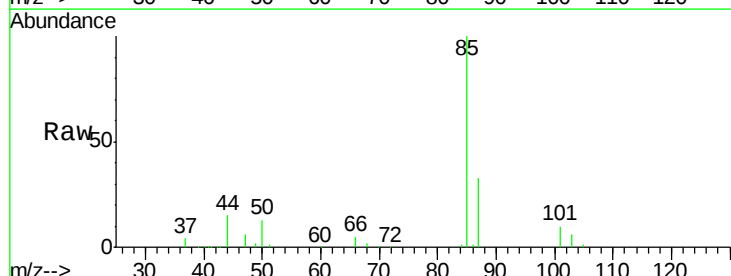
Acq: 12 Mar 2018 12:07

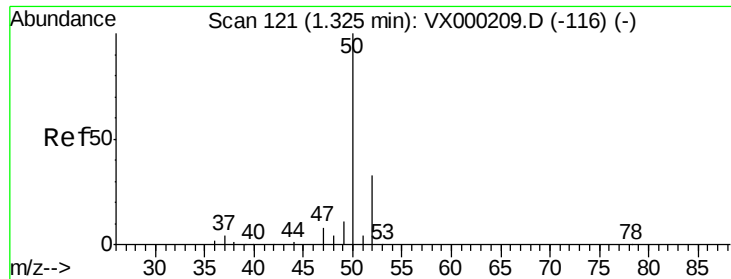
Tgt Ion: 85 Resp: 26061

Ion Ratio Lower Upper

85 100

87 33.4 16.7 50.0





#3

Chloromethane

Concen: 20.55 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0312MBS01

Tot Ion: 50 Resp: 28654

Ion Ratio Lower Upper

50 100

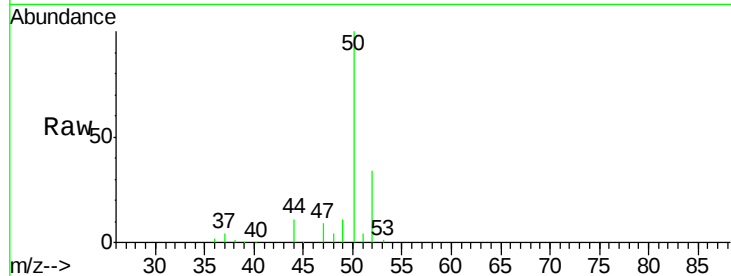
52 33.5 26.2 39.2

Manual Integrations

APPROVED

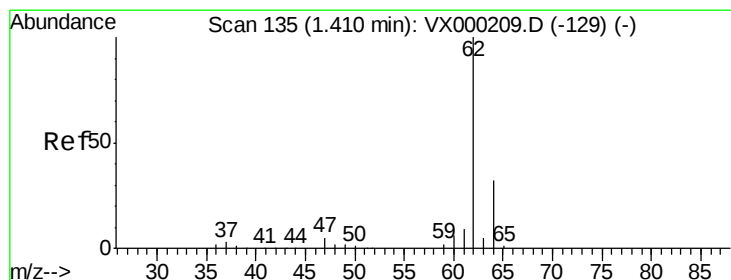
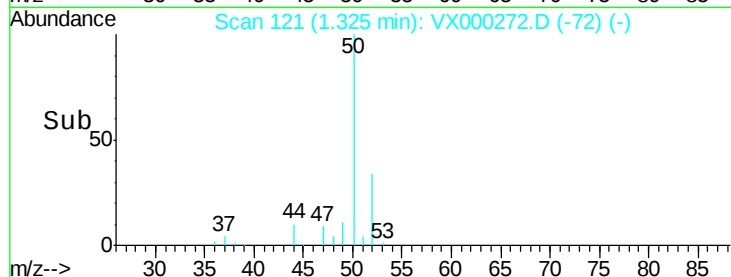
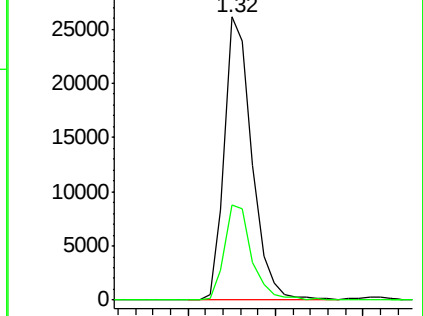
apatel

3/13/2018 10:58:31 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.02 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX000272.D

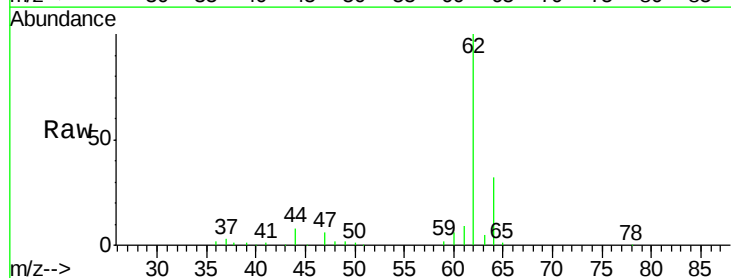
Acq: 12 Mar 2018 12:07

Tgt Ion: 62 Resp: 32547

Ion Ratio Lower Upper

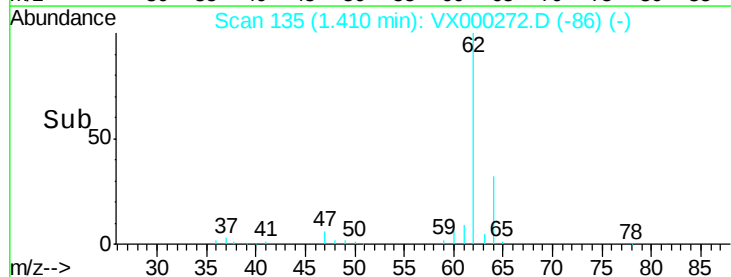
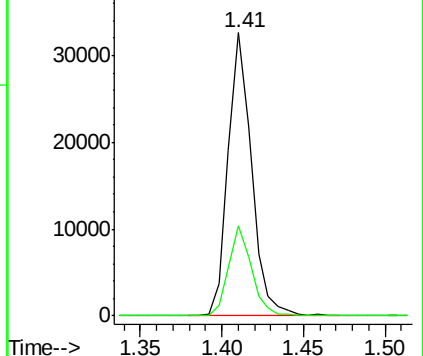
62 100

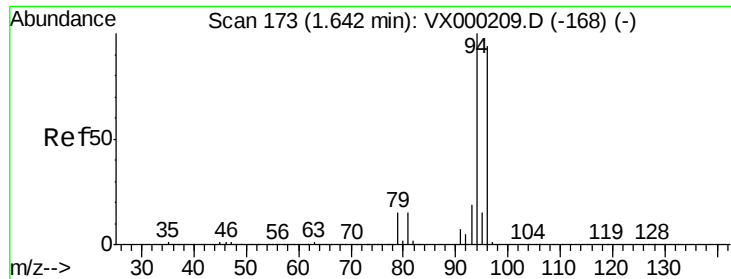
64 31.9 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 17.45 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0312MBS01

Tot Ion: 94 Resp: 30683

Ion Ratio Lower Upper

94 100

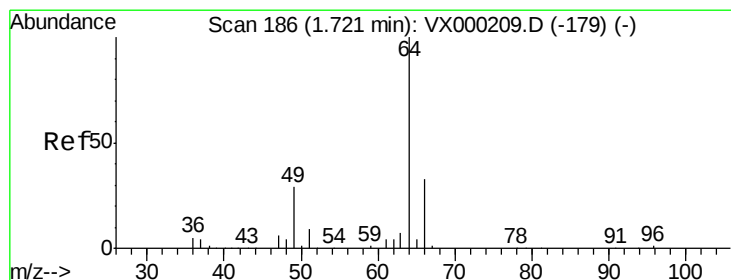
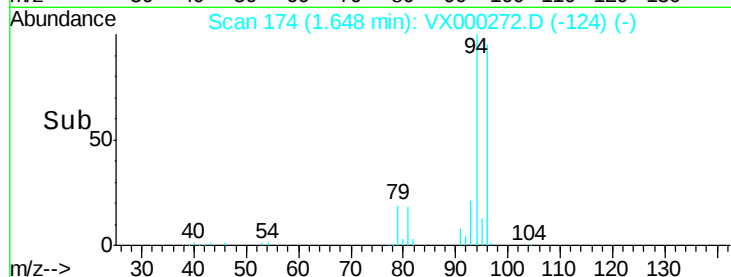
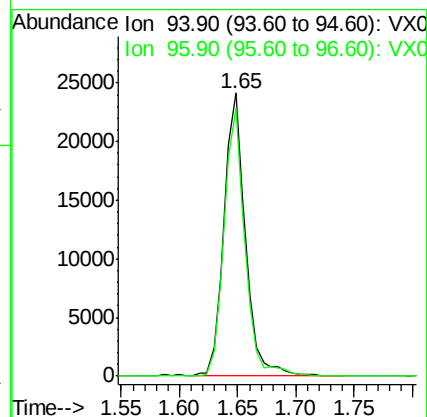
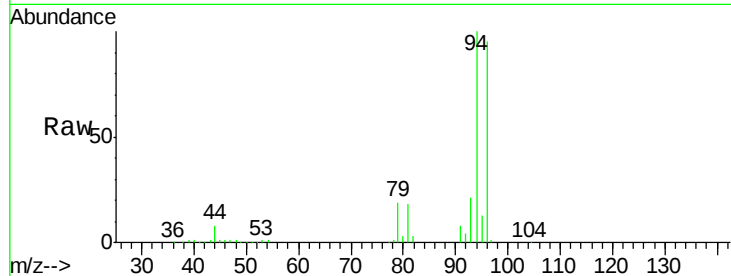
96 94.8 75.3 112.9

Manual Integrations

APPROVED

apatel

3/13/2018 10:58:31 AM



#6

Chloroethane

Concen: 20.73 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX000272.D

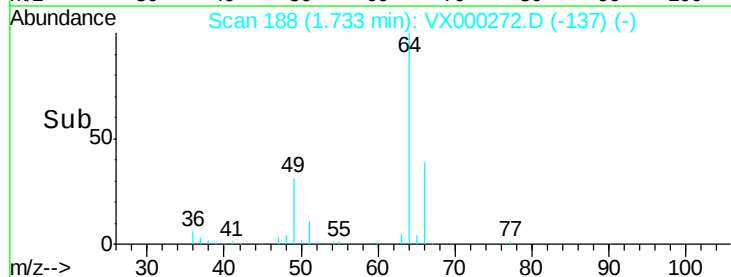
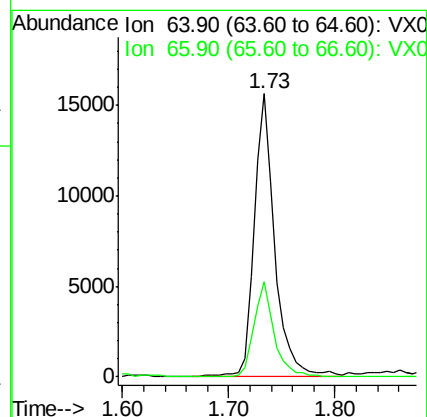
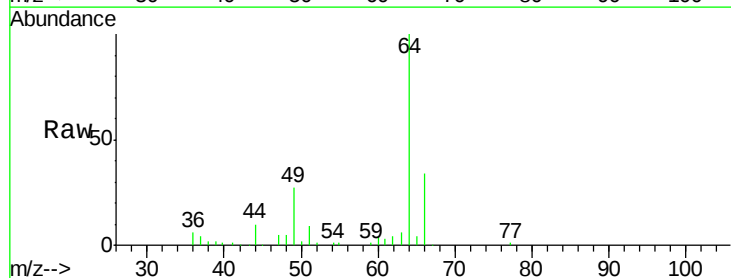
Acq: 12 Mar 2018 12:07

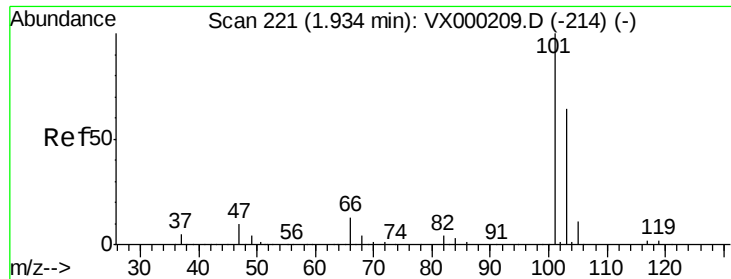
Tgt Ion: 64 Resp: 21285

Ion Ratio Lower Upper

64 100

66 33.6 26.2 39.4





#7

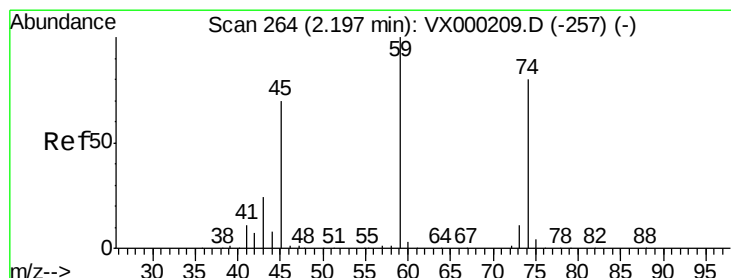
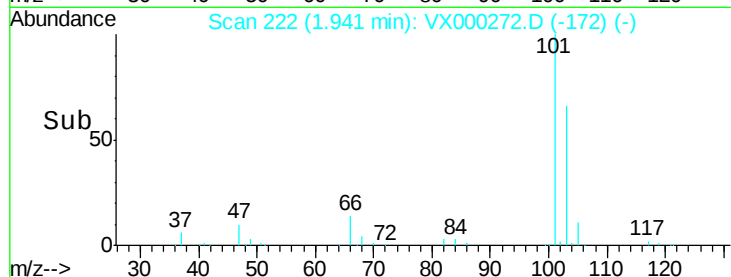
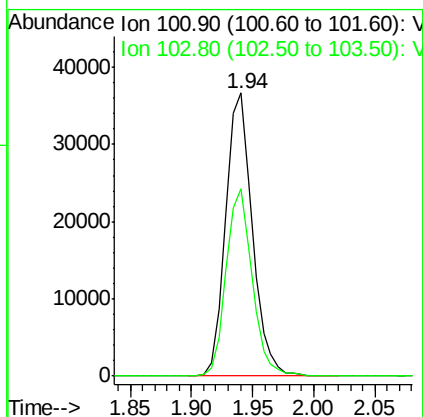
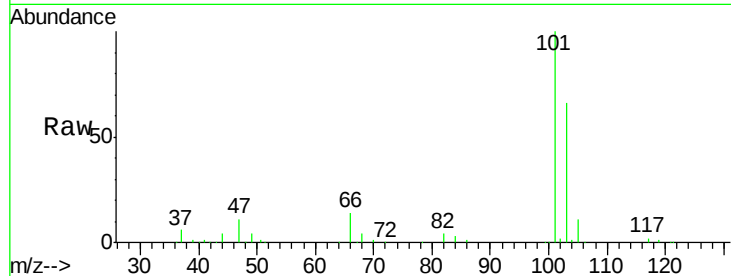
Trichlorofluoromethane
Concen: 20.46 ug/l
RT: 1.94 min Scan# 222
Delta R.T. 0.01 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Instrument :
MSVOA_X
ClientSampled :
VX0312MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	51.2	76.8

Manual Integrations
APPROVED

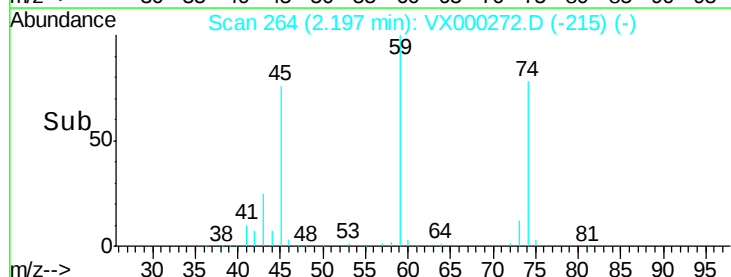
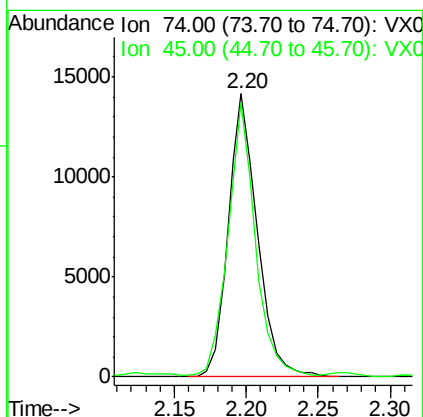
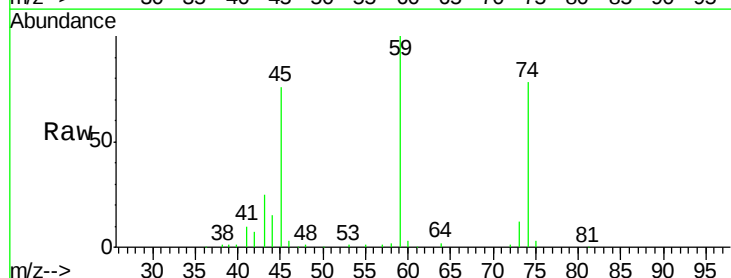
apatel
3/13/2018 10:58:31 AM

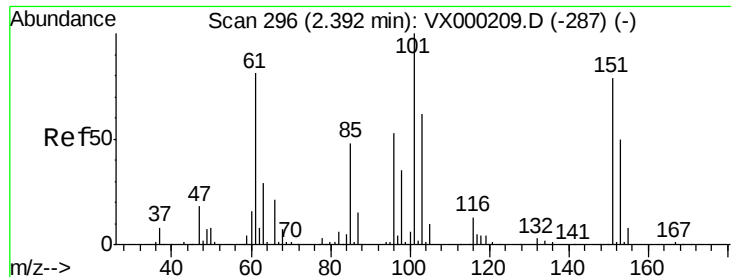


#8

Diethyl Ether
Concen: 20.23 ug/l
RT: 2.20 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.8	47.2	141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.06 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.00 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Instrument :

MSVOA_X

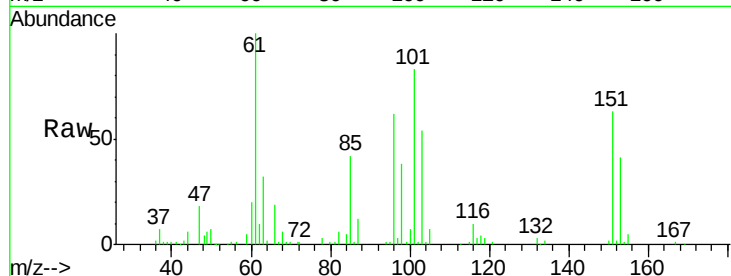
ClientSampleId :

VX0312MBS01

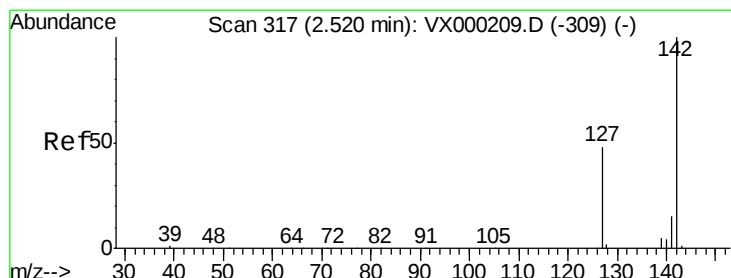
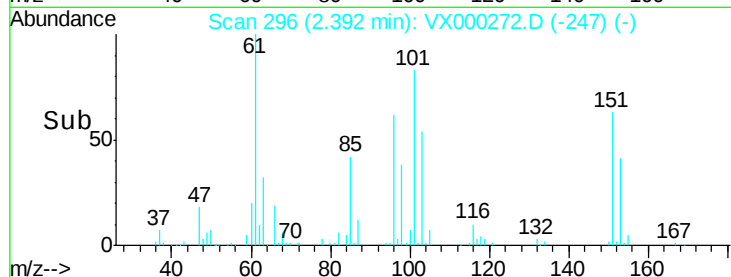
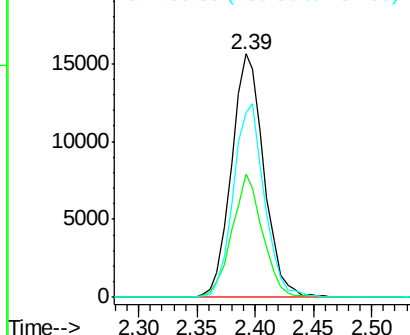
Tot Ion:	101	Resp:	30210
Ion Ratio	Lower	Upper	
101	100		
85	48.1	38.3	57.5
151	76.8	62.8	94.2

Manual Integrations
APPROVED

apatel
3/13/2018 10:58:31 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.56 ug/l

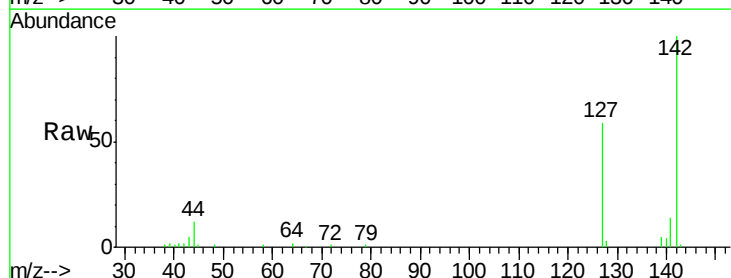
RT: 2.52 min Scan# 317

Delta R.T. 0.00 min

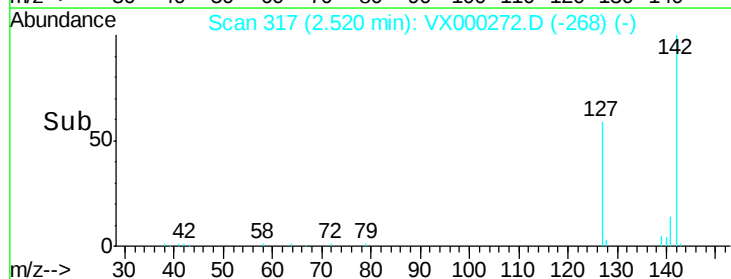
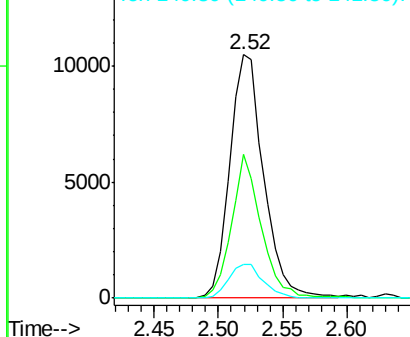
Lab File: VX000272.D

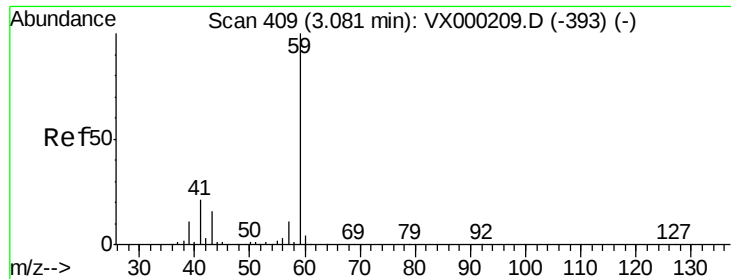
Acq: 12 Mar 2018 12:07

Tgt Ion:	142	Resp:	19251
Ion Ratio	Lower	Upper	
142	100		
127	51.2	39.0	58.6
141	14.0	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





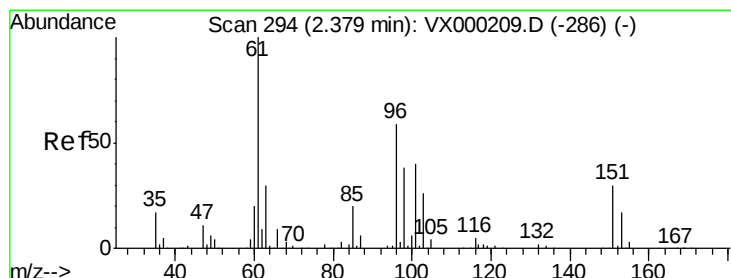
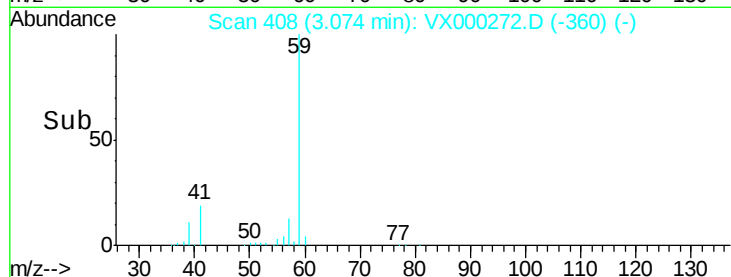
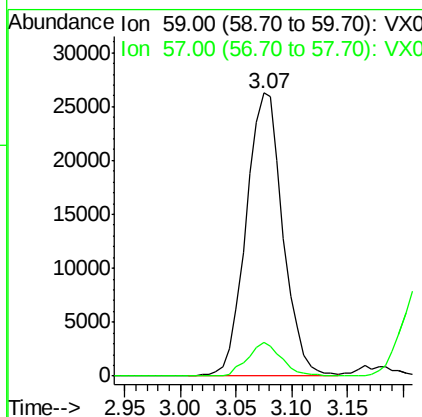
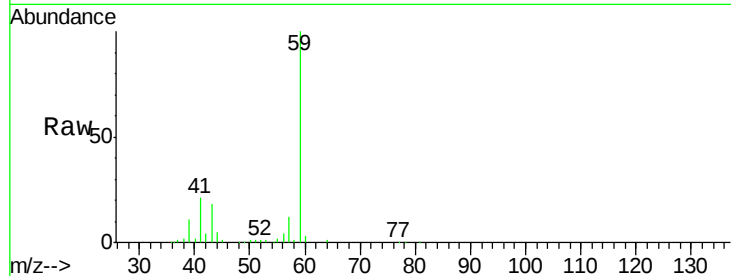
#11
Tert butyl alcohol
Concen: 90.48 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0312MBS01

Tot Ion: 59 Resp: 60420
Ion Ratio Lower Upper
59 100
57 11.0 8.4 12.6

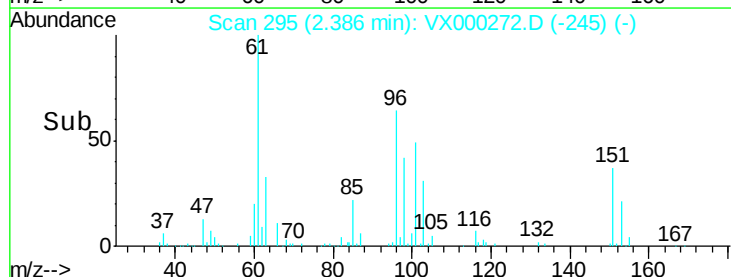
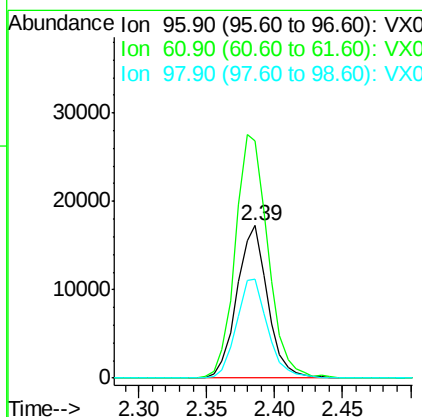
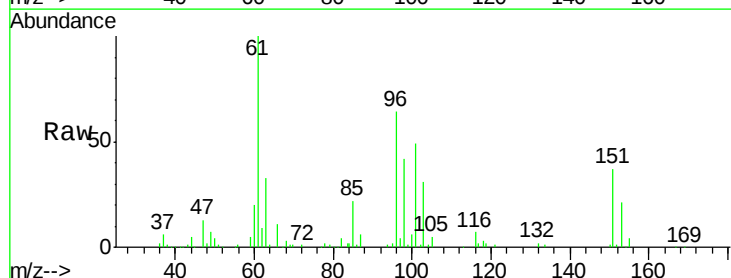
Manual Integrations
APPROVED

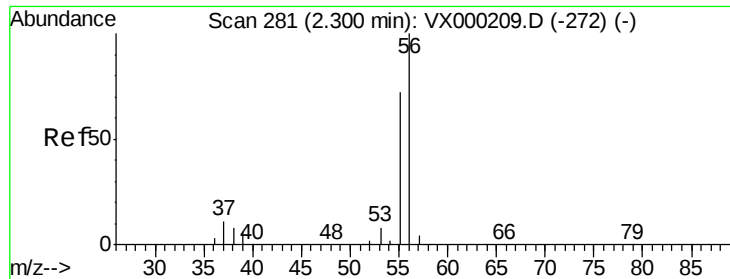
apatel
3/13/2018 10:58:31 AM



#12
1,1-Dichloroethene
Concen: 19.70 ug/l
RT: 2.39 min Scan# 295
Delta R.T. 0.01 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Tgt Ion: 96 Resp: 27243
Ion Ratio Lower Upper
96 100
61 155.6 135.8 203.6
98 64.8 51.1 76.7





#13

Acrolein

Concen: 101.08 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0312MBS01

Tot Ion: 56 Resp: 35488

Ion Ratio Lower Upper

56 100

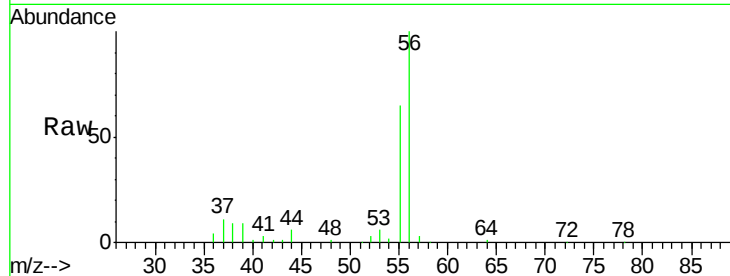
55 69.4 59.2 88.8

Manual Integrations

APPROVED

apatel

3/13/2018 10:58:31 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

25000

20000

15000

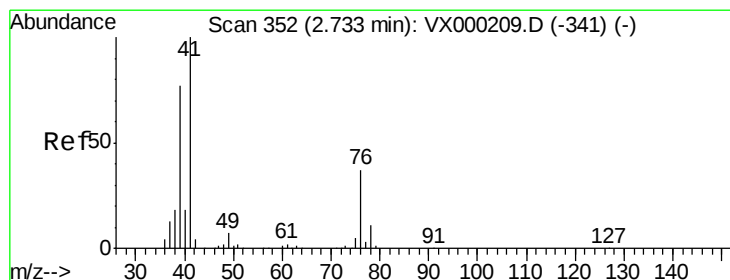
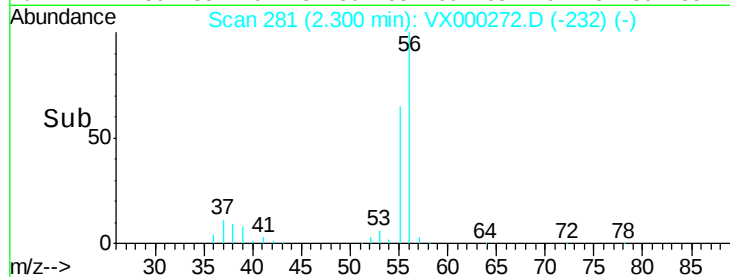
10000

5000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 20.46 ug/l

RT: 2.74 min Scan# 353

Delta R.T. 0.01 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

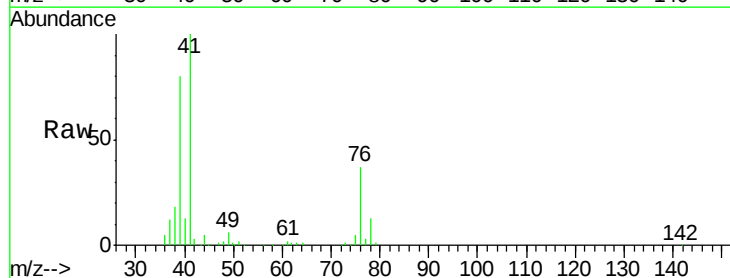
Tgt Ion: 41 Resp: 52269

Ion Ratio Lower Upper

41 100

39 70.4 57.0 85.6

76 33.0 26.8 40.2



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

50000

40000

30000

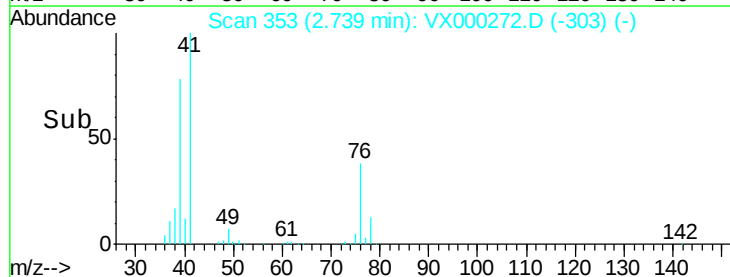
20000

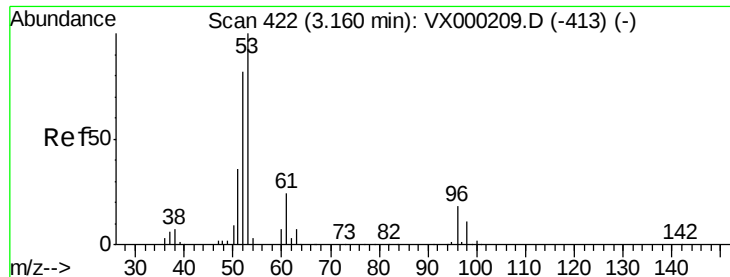
10000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 99.27 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Instrument :

MSVOA_X

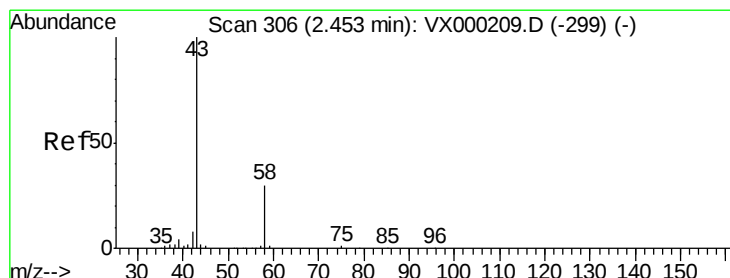
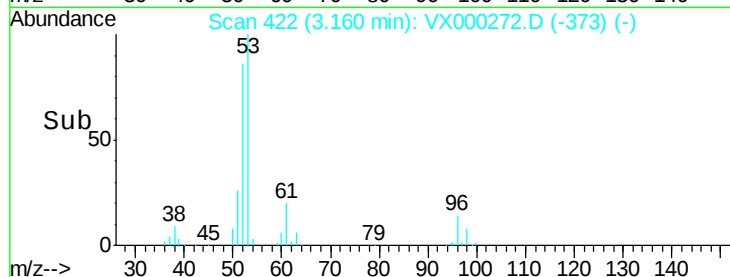
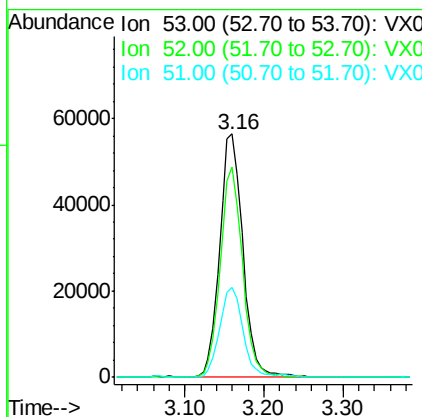
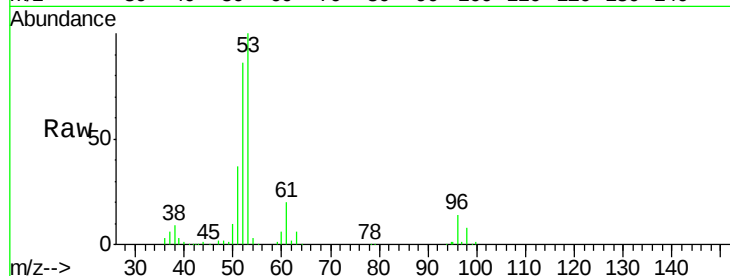
ClientSampleId :

VX0312MBS01

Tot Ion:	53	Resp:	115368
Ion Ratio		Lower	Upper
53	100		
52	83.5	66.3	99.5
51	37.8	29.6	44.4

Manual Integrations
APPROVED

apatel
3/13/2018 10:58:31 AM



#16

Acetone

Concen: 98.17 ug/l

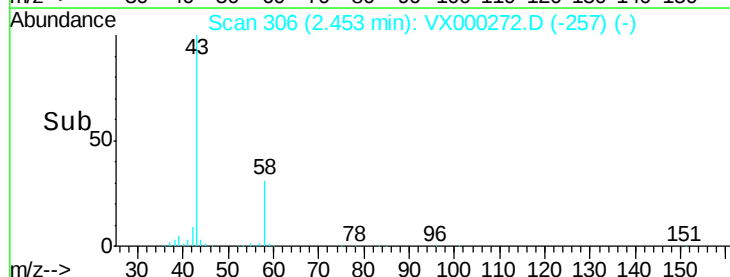
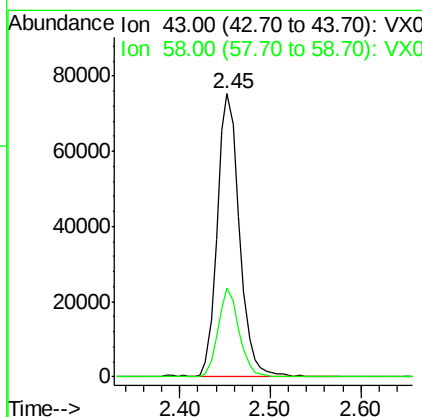
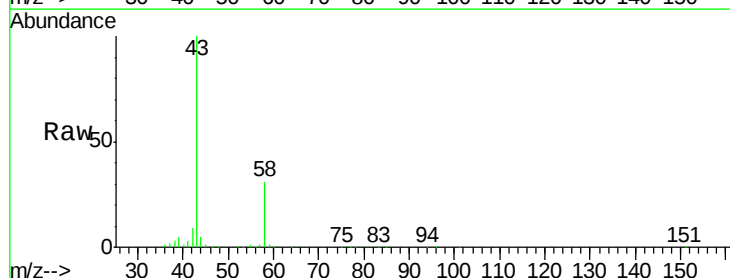
RT: 2.45 min Scan# 306

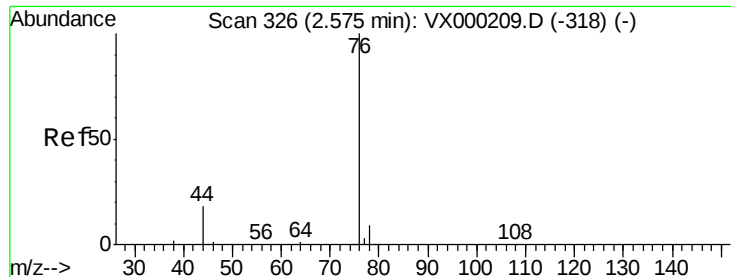
Delta R.T. 0.00 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Tgt Ion:	43	Resp:	128124
Ion Ratio		Lower	Upper
43	100		
58	31.2	23.8	35.6





#17

Carbon Disulfide

Concen: 18.49 ug/l

RT: 2.58 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0312MBS01

Tot Ion: 76 Resp: 70068

Ion Ratio Lower Upper

76 100

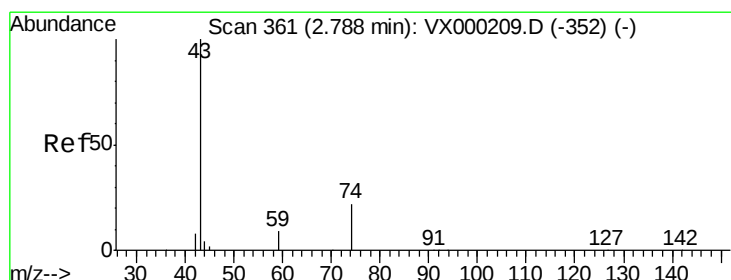
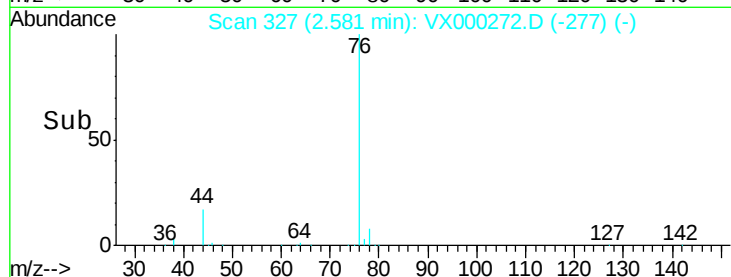
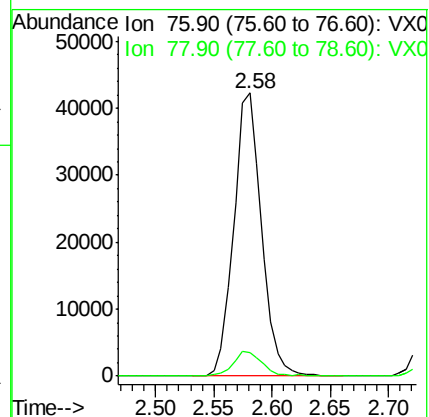
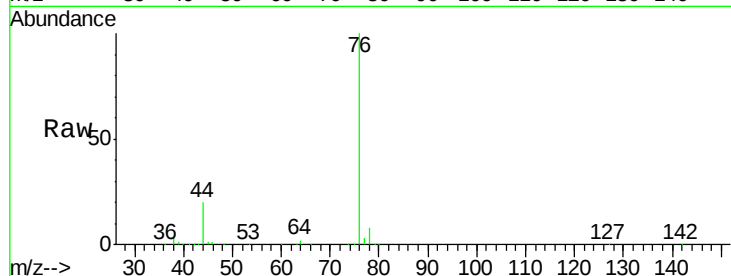
78 8.4 7.0 10.6

Manual Integrations

APPROVED

apatel

3/13/2018 10:58:31 AM



#18

Methyl Acetate

Concen: 20.06 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.00 min

Lab File: VX000272.D

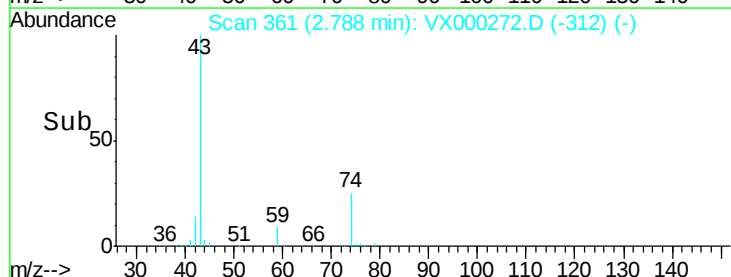
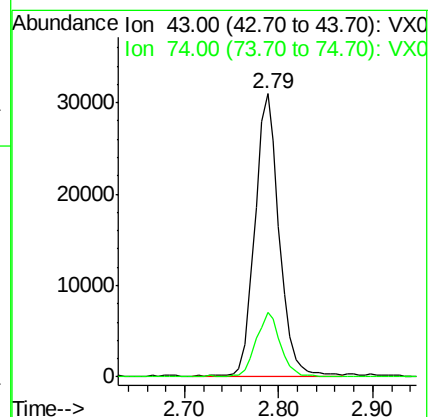
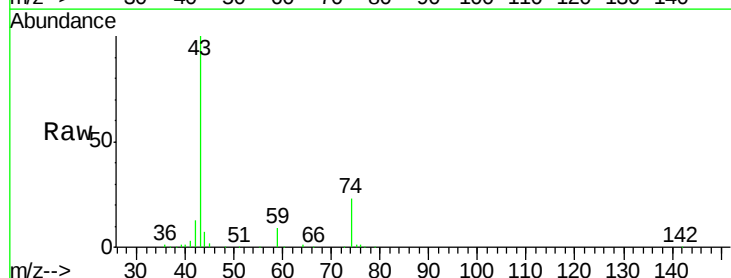
Acq: 12 Mar 2018 12:07

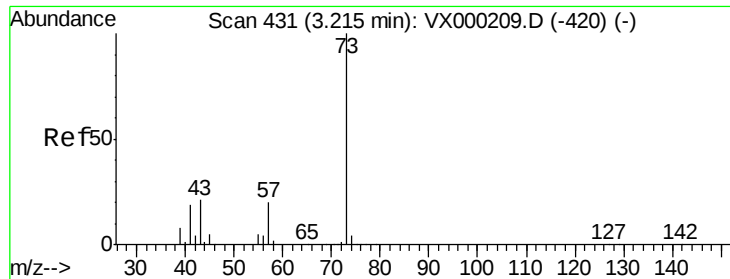
Tgt Ion: 43 Resp: 55769

Ion Ratio Lower Upper

43 100

74 23.7 18.9 28.3





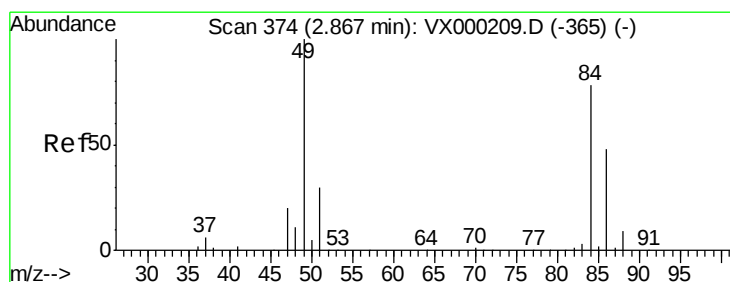
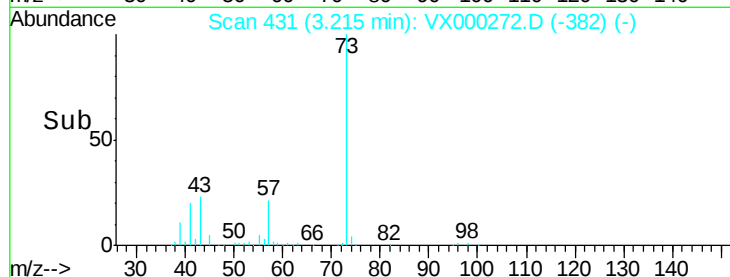
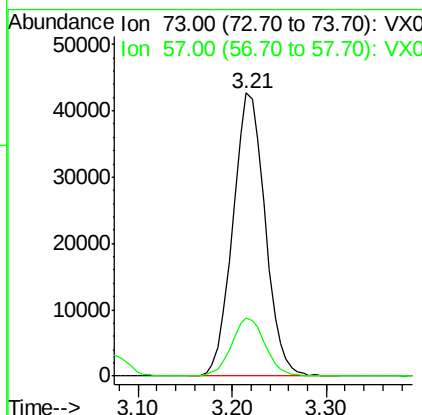
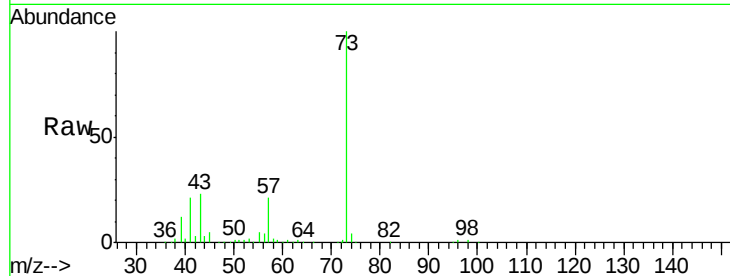
#19
Methyl tert-butyl Ether
Concen: 20.65 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0312MBS01

Tot Ion: 73 Resp: 101685
Ion Ratio Lower Upper
73 100
57 20.7 16.3 24.5

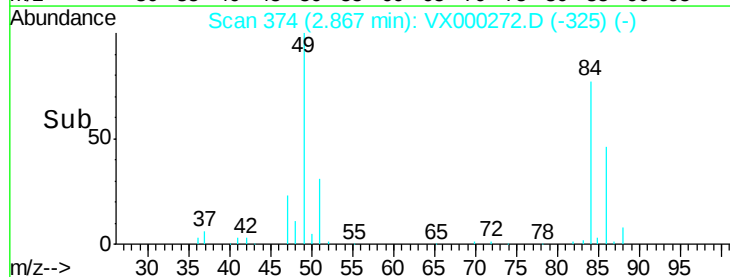
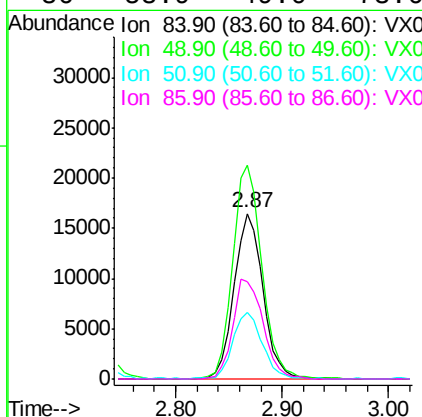
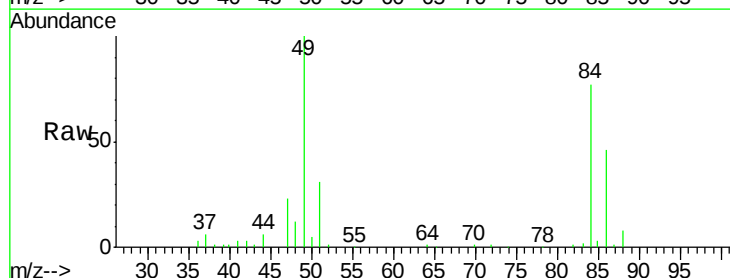
Manual Integrations
APPROVED

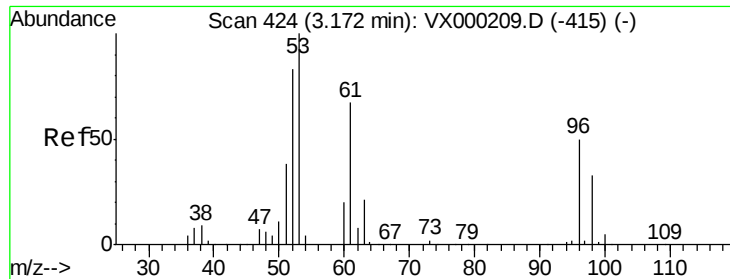
apatel
3/13/2018 10:58:31 AM



#20
Methylene Chloride
Concen: 20.16 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.00 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Tgt Ion: 84 Resp: 31380
Ion Ratio Lower Upper
84 100
49 129.1 102.1 153.1
51 40.1 30.6 45.8
86 58.9 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 20.08 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0312MBS01

Tot Ion: 96 Resp: 30542

Ion Ratio Lower Upper

96 100

61 130.3 107.0 160.4

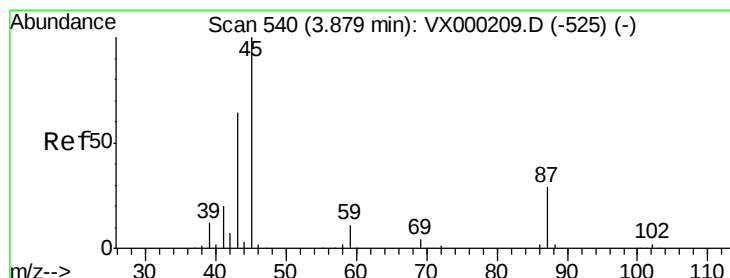
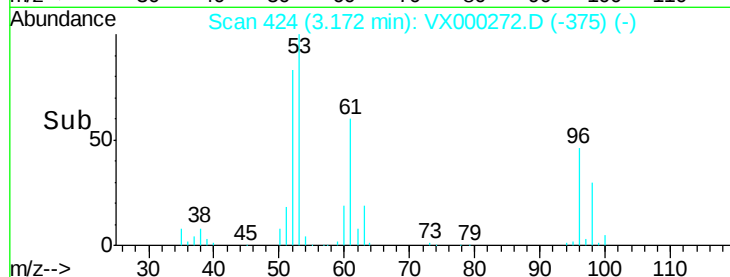
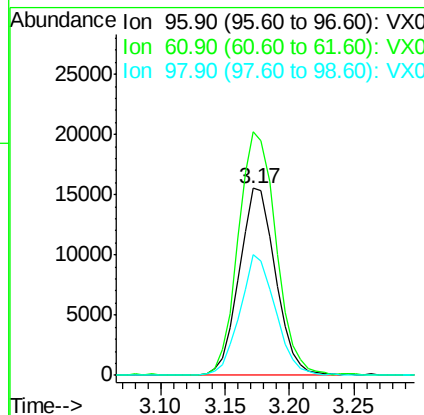
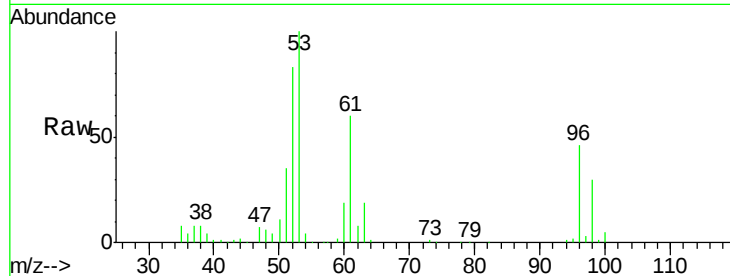
98 64.6 51.8 77.8

Manual Integrations

APPROVED

apatel

3/13/2018 10:58:31 AM



#22

Diisopropyl ether

Concen: 21.73 ug/l

RT: 3.89 min Scan# 541

Delta R.T. 0.01 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Tgt Ion: 45 Resp: 95313

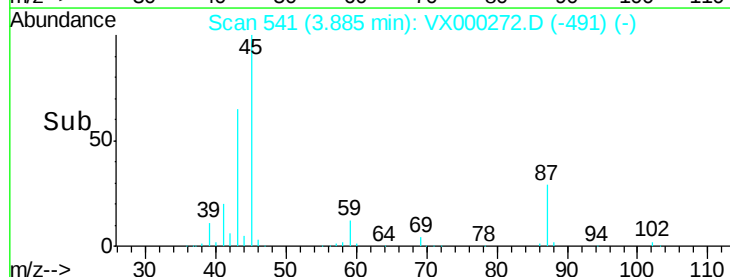
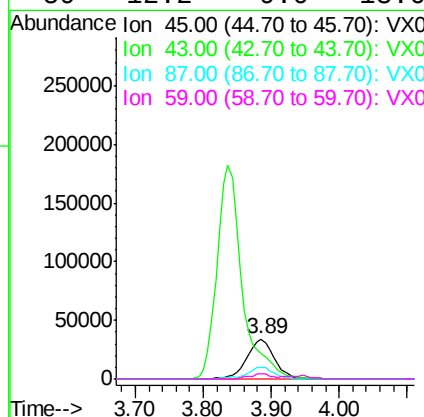
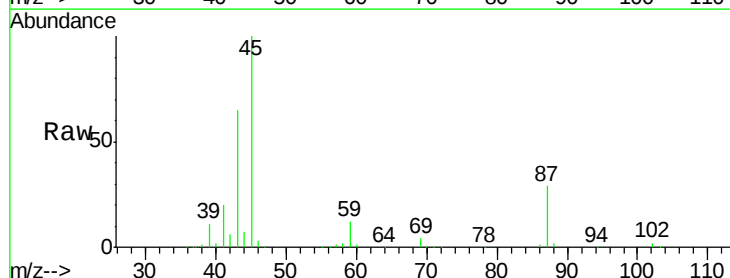
Ion Ratio Lower Upper

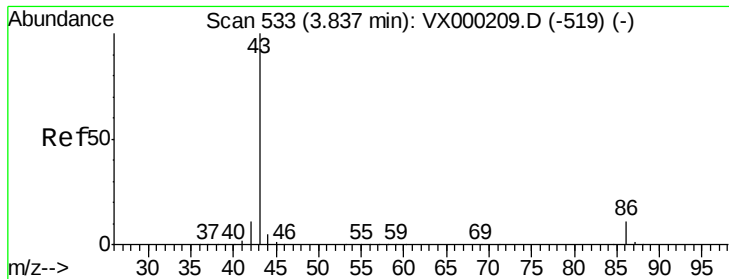
45 100

43 63.8 53.5 80.3

87 28.7 23.3 34.9

59 12.2 9.0 13.6





#23

Vinyl Acetate

Concen: 110.80 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.00 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0312MBS01

Tot Ion: 43 Resp: 468411

Ion Ratio Lower Upper

43 100

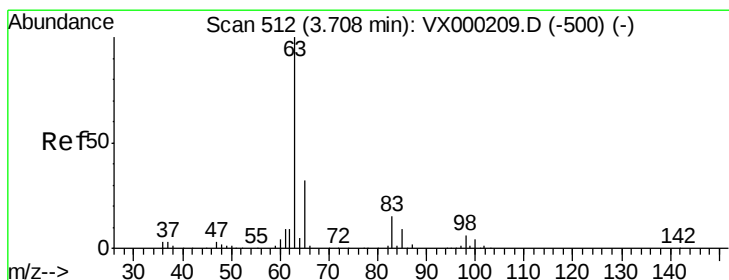
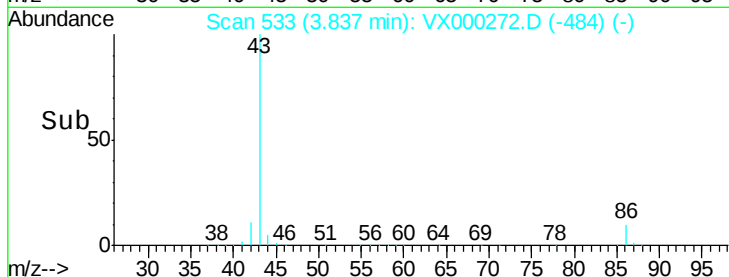
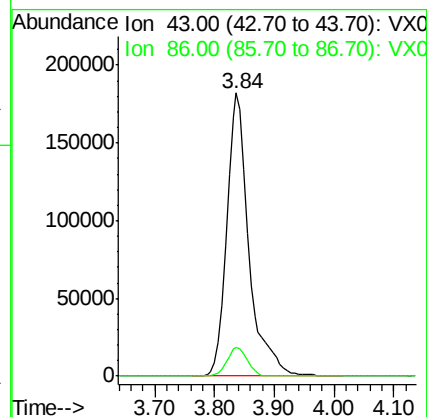
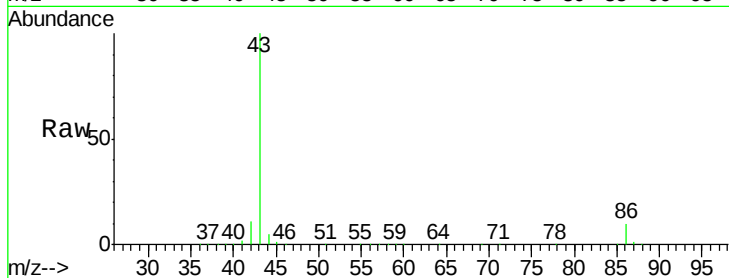
86 10.2 8.5 12.7

Manual Integrations

APPROVED

apatel

3/13/2018 10:58:31 AM



#24

1,1-Dichloroethane

Concen: 21.00 ug/l

RT: 3.71 min Scan# 512

Delta R.T. 0.00 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

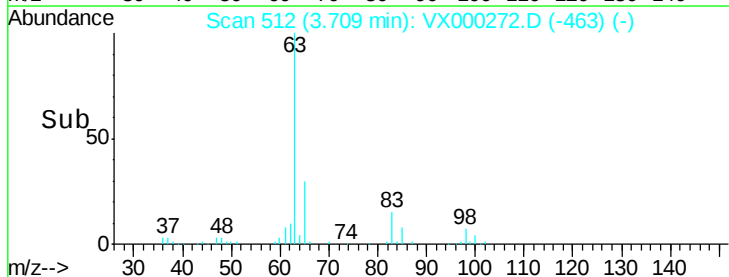
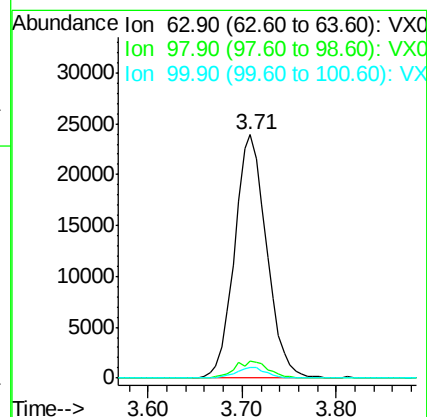
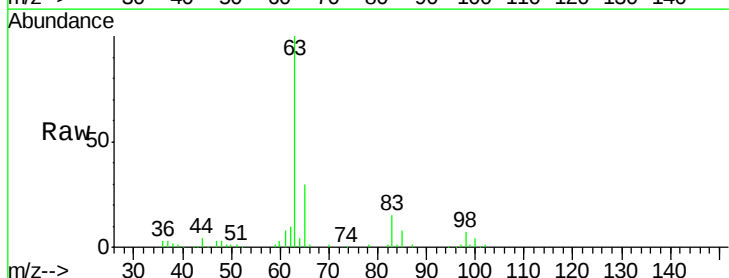
Tgt Ion: 63 Resp: 56469

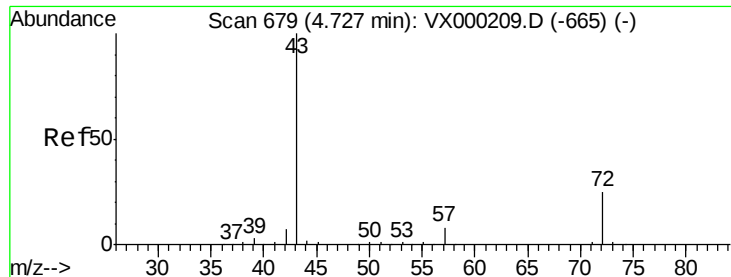
Ion Ratio Lower Upper

63 100

98 7.1 3.1 9.4

100 4.3 2.2 6.6





#25

2-Butanone

Concen: 95.45 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0312MBS01

Tot Ion: 43 Resp: 153735

Ion Ratio Lower Upper

43 100

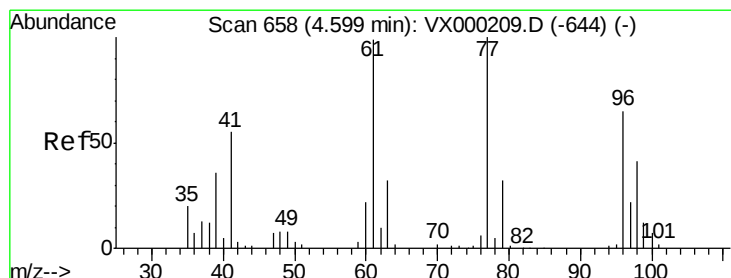
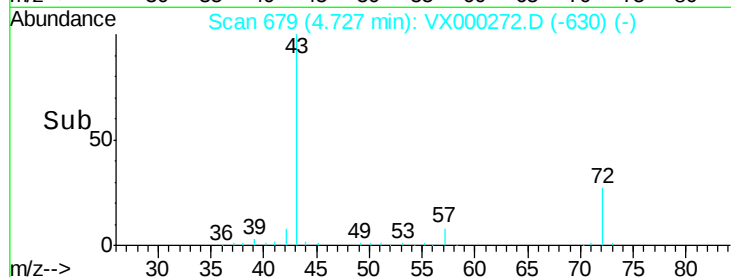
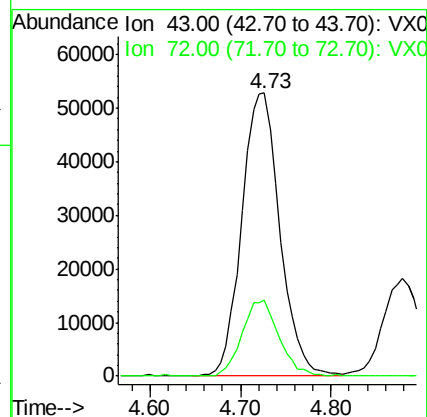
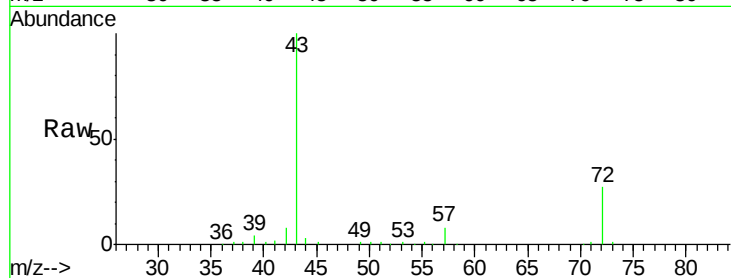
72 27.1 20.2 30.2

Manual Integrations

APPROVED

apatel

3/13/2018 10:58:31 AM



#26

2,2-Dichloropropane

Concen: 19.81 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX000272.D

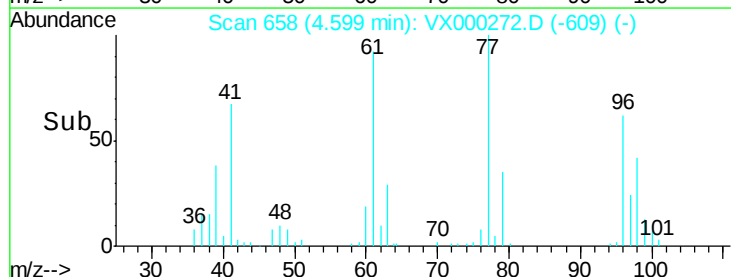
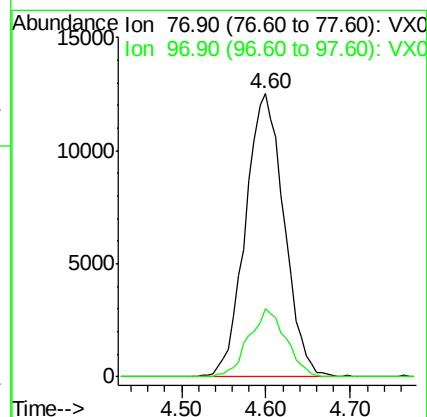
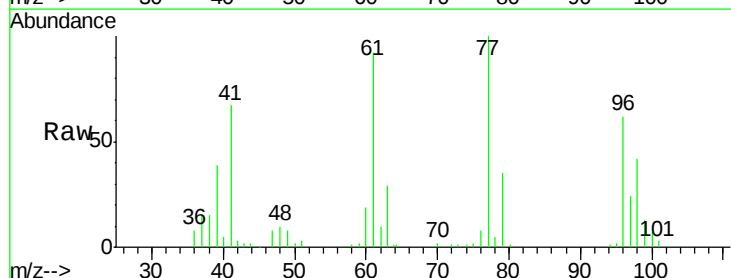
Acq: 12 Mar 2018 12:07

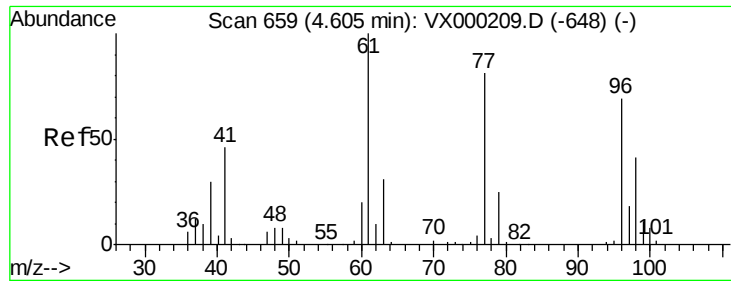
Tgt Ion: 77 Resp: 38937

Ion Ratio Lower Upper

77 100

97 23.3 11.4 34.1





#27

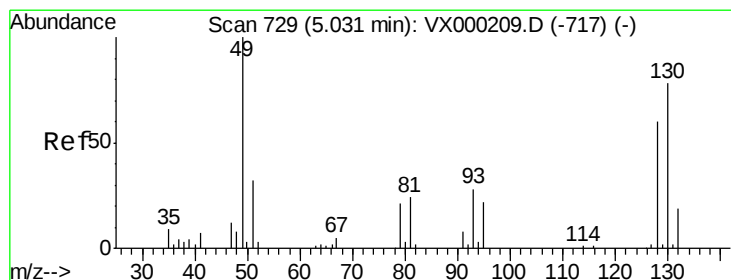
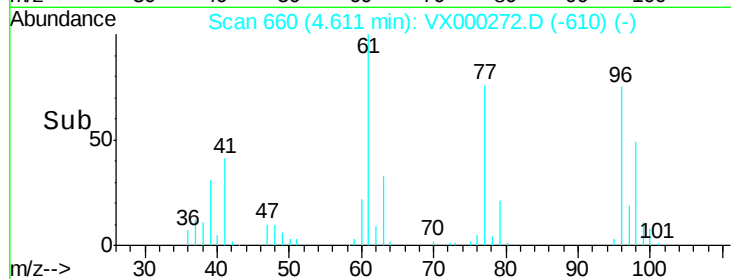
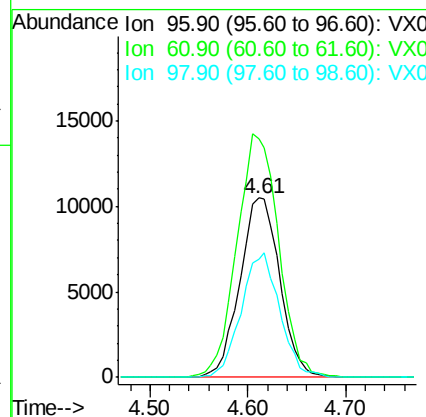
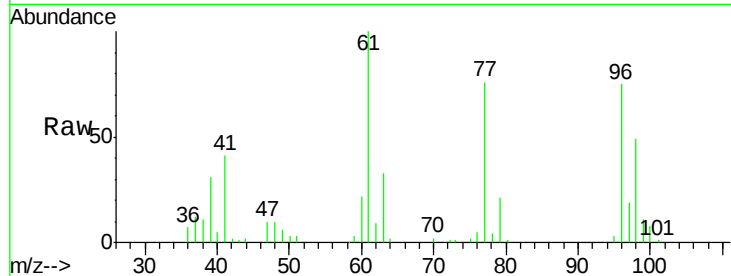
cis-1,2-Dichloroethene
Concen: 20.57 ug/l
RT: 4.61 min Scan# 660
Delta R.T. 0.01 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0312MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	29658		
61	141.6	0.0	296.4	
98	66.9	0.0	130.6	

Manual Integrations
APPROVED

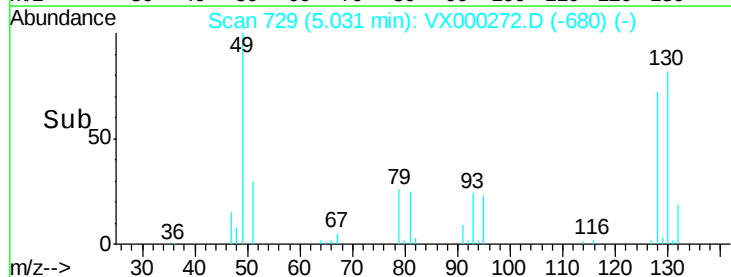
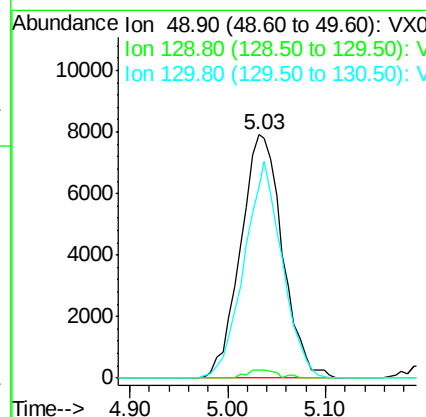
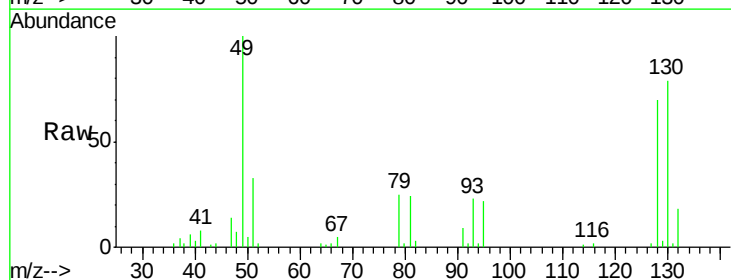
apatel
3/13/2018 10:58:31 AM

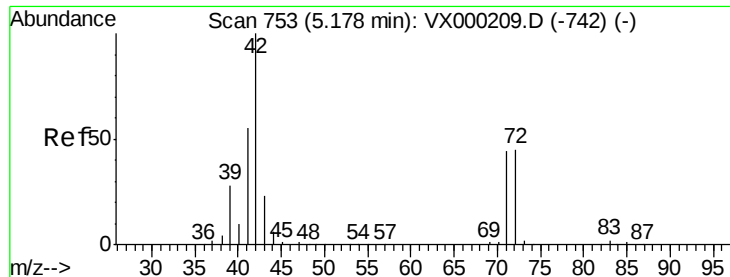


#28

Bromochloromethane
Concen: 20.56 ug/l
RT: 5.03 min Scan# 729
Delta R.T. 0.00 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	23495		
129	2.2	0.0	5.0	
130	80.9	63.5	95.3	





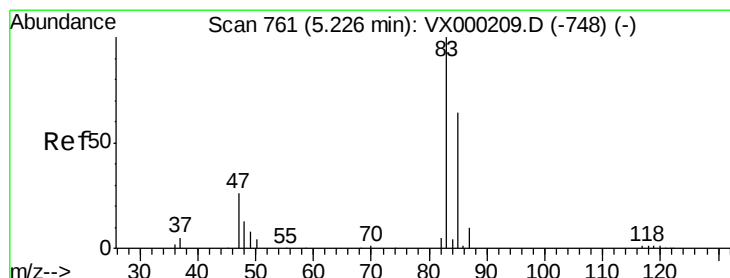
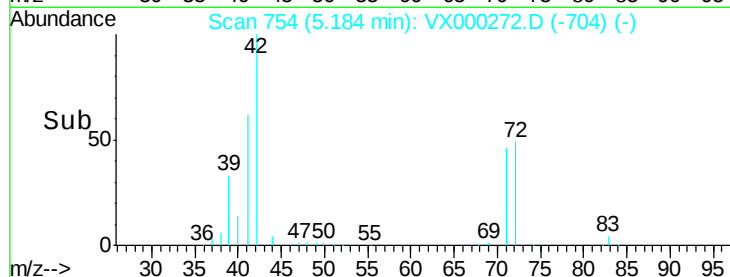
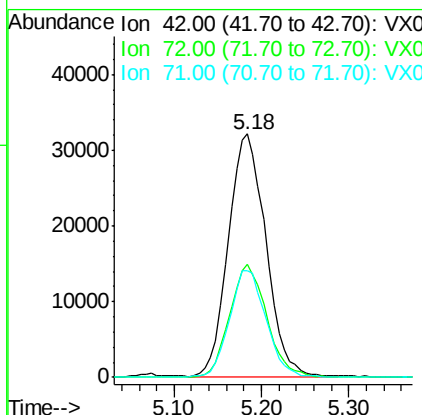
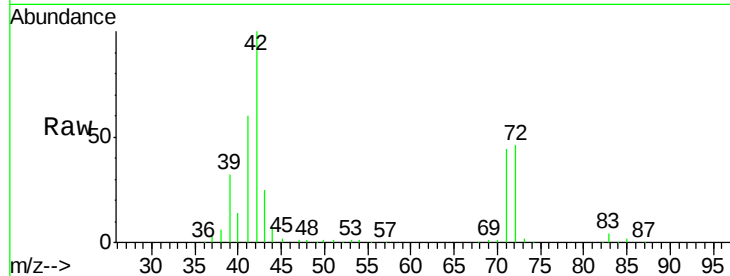
#29
Tetrahydrofuran
Concen: 94.26 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0312MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	37.3	55.9
71	43.3	35.0	52.4

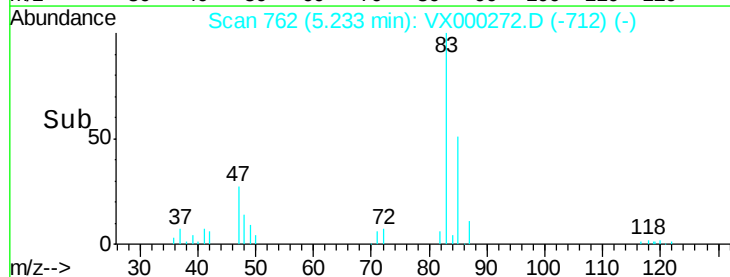
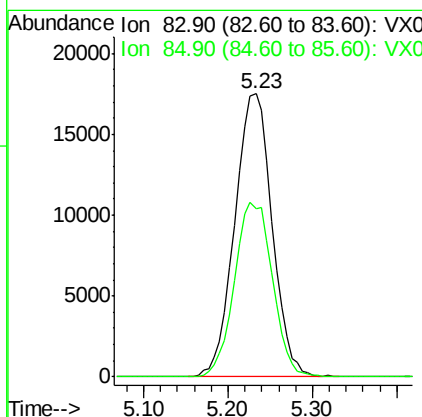
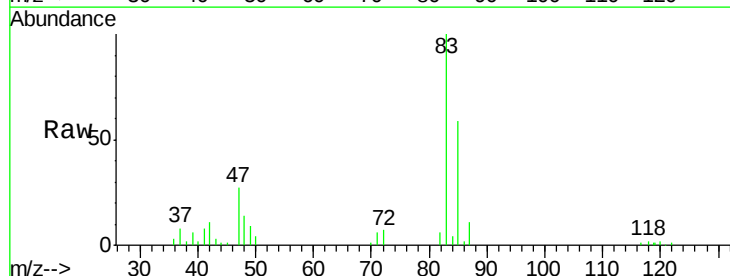
Manual Integrations
APPROVED

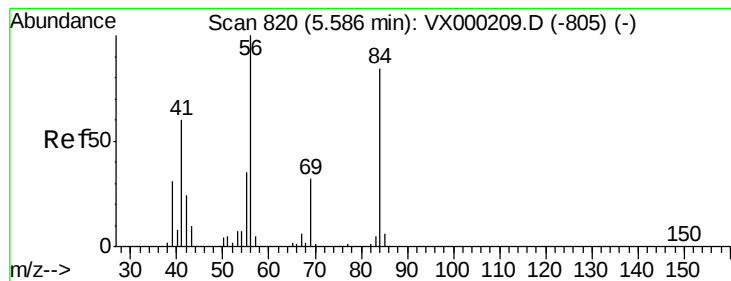
apatel
3/13/2018 10:58:31 AM



#30
Chloroform
Concen: 20.19 ug/l
RT: 5.23 min Scan# 762
Delta R.T. 0.01 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.3	51.0	76.6





#31

Cyclohexane

Concen: 19.57 ug/l

RT: 5.59 min Scan# 820

Delta R.T. 0.00 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Instrument :

MSVOA_X

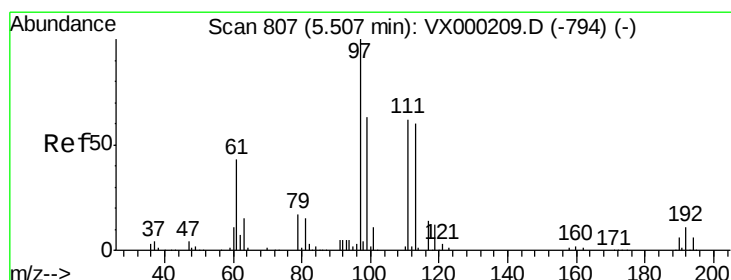
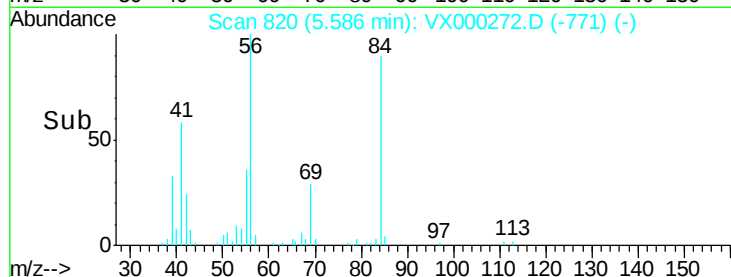
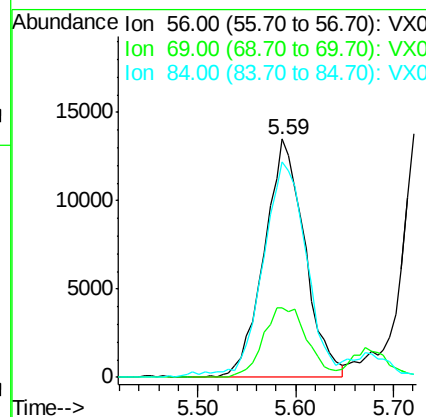
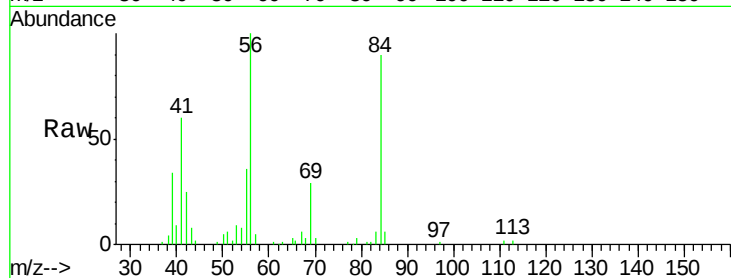
ClientSampleId :

VX0312MBS01

Tot Ion:	56	Resp:	38911
Ion Ratio		Lower	Upper
56	100		
69	29.1	25.3	37.9
84	87.8	67.2	100.8

Manual Integrations
APPROVED

apatel
3/13/2018 10:58:31 AM



#32

1,1,1-Trichloroethane

Concen: 20.55 ug/l

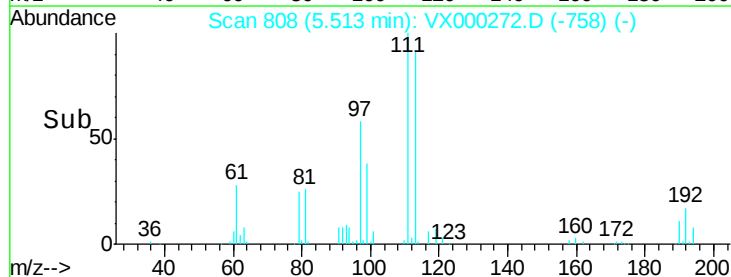
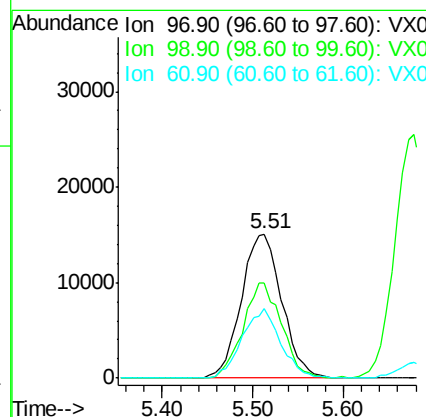
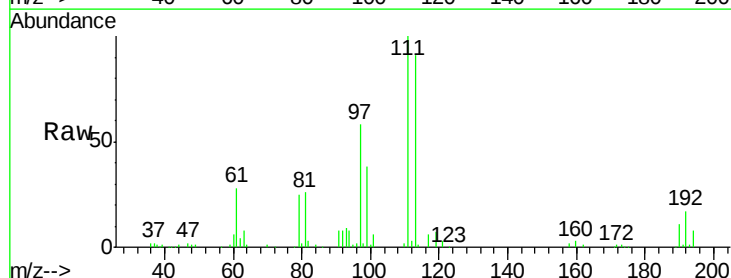
RT: 5.51 min Scan# 808

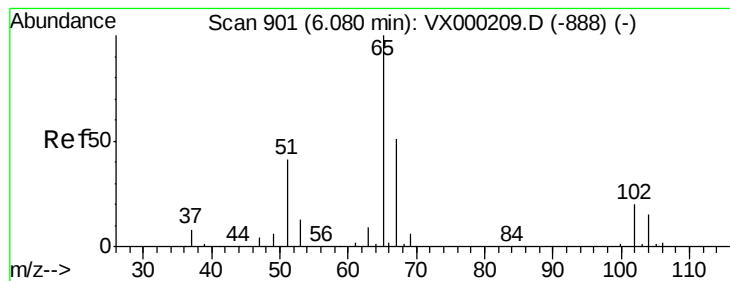
Delta R.T. 0.01 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Tgt Ion:	97	Resp:	46326
Ion Ratio		Lower	Upper
97	100		
99	63.1	50.9	76.3
61	46.1	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 50.93 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Tot Ion: 65 Resp: 92562

Ion Ratio Lower Upper

65 100

67 50.4 0.0 103.4

Instrument :

MSVOA_X

ClientSampleId :

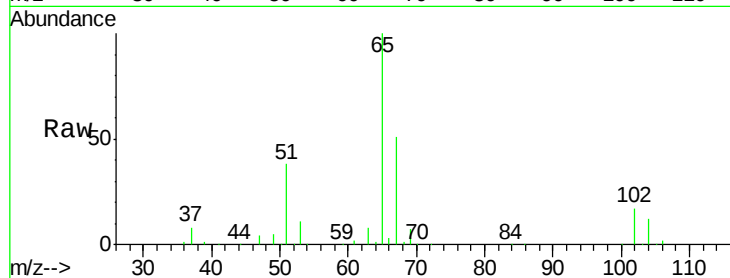
VX0312MBS01

Manual Integrations

APPROVED

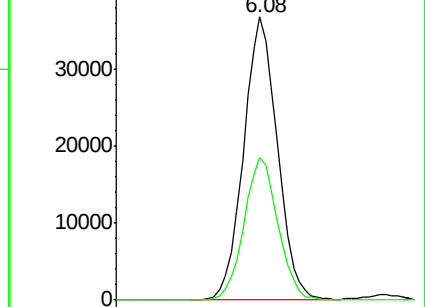
apatel

3/13/2018 10:58:31 AM

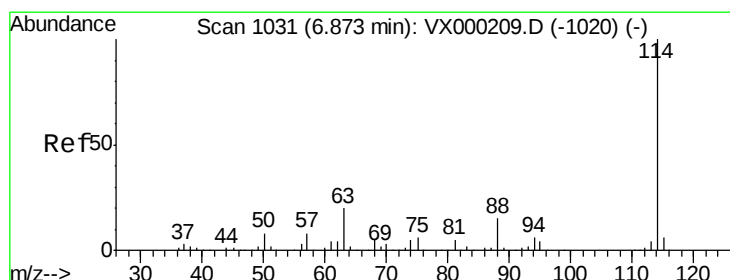
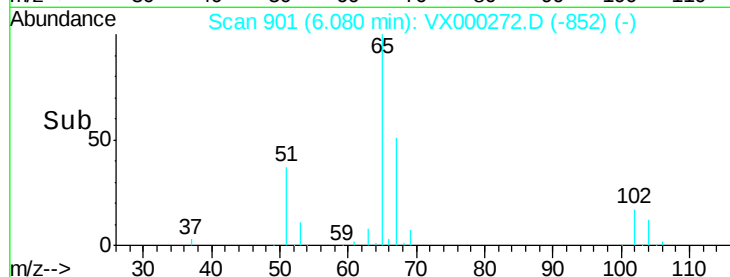


Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

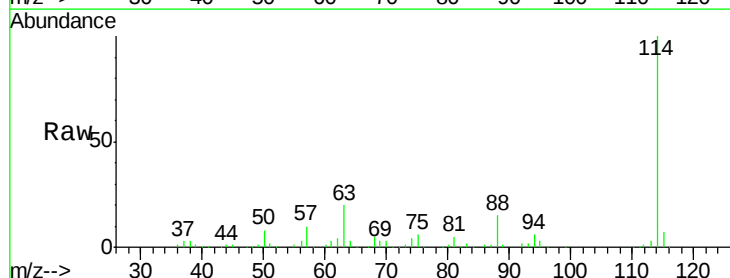
Tgt Ion: 114 Resp: 218912

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.2

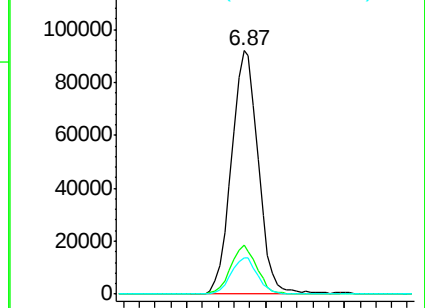
88 14.8 0.0 29.8



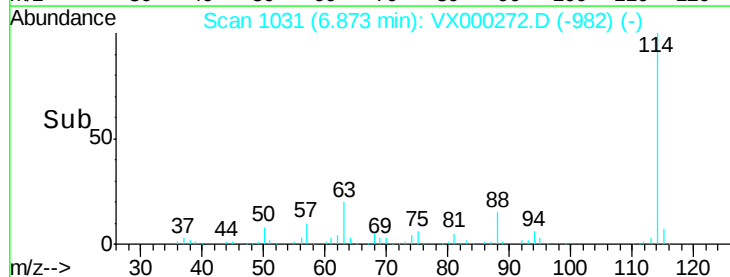
Abundance Ion 113.90 (113.60 to 114.60): V

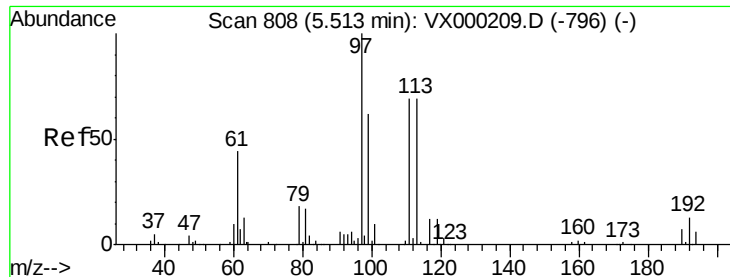
Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



Time-->





#35

Dibromofluoromethane

Concen: 51.29 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Instrument :

MSVOA_X

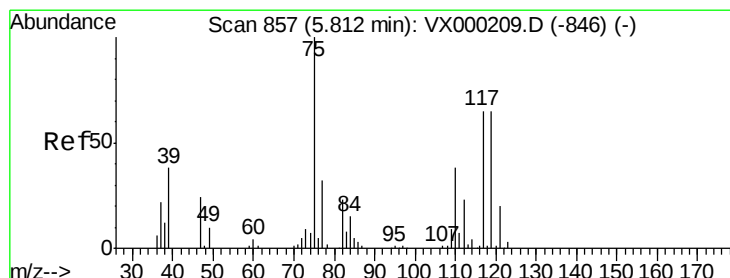
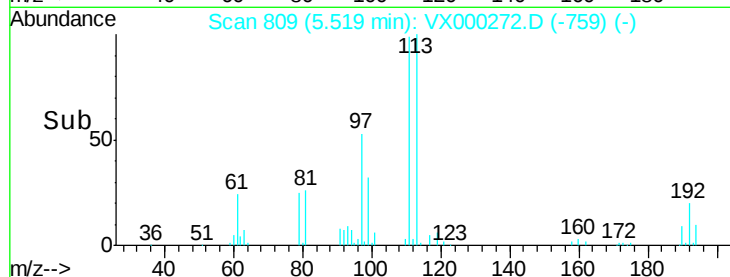
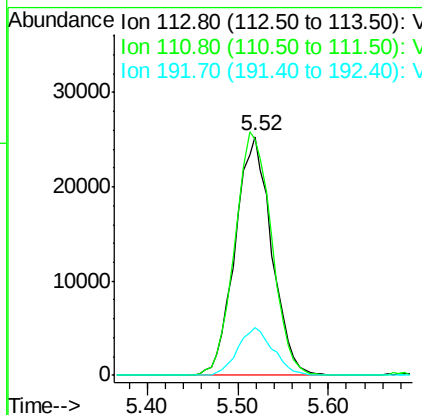
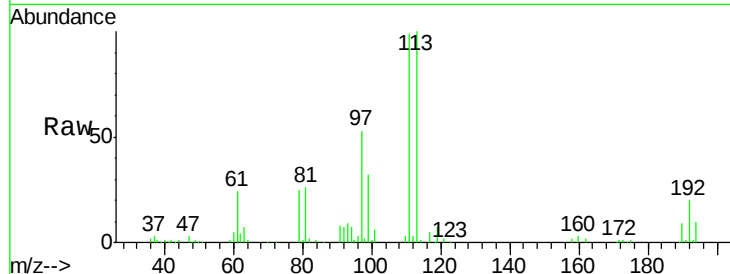
ClientSampleId :

VX0312MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.0	124.6
192	19.3	15.5	23.3

Manual Integrations
APPROVED

apatel
3/13/2018 10:58:31 AM



#36

1,1-Dichloropropene

Concen: 19.71 ug/l

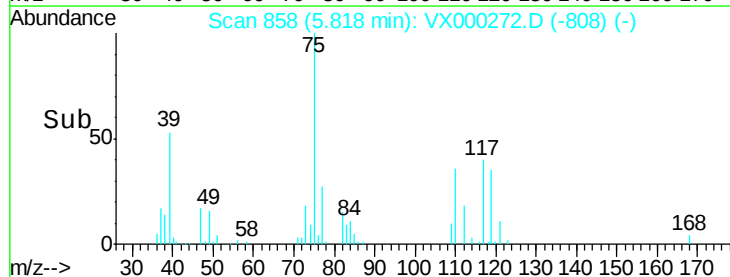
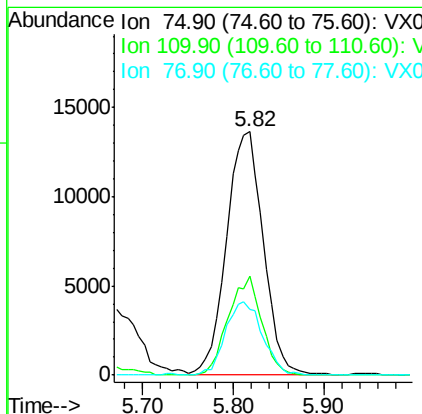
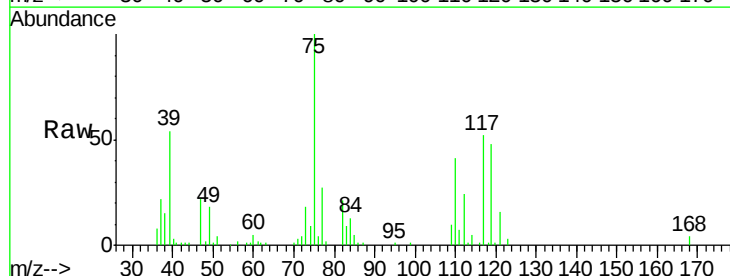
RT: 5.82 min Scan# 858

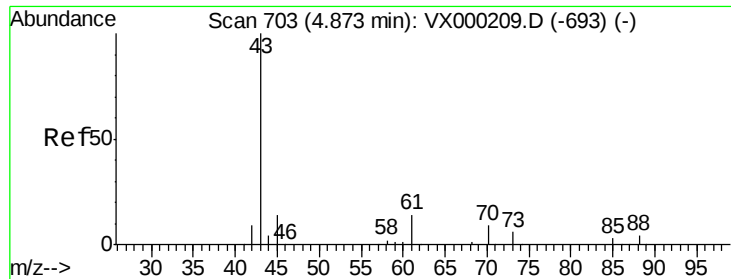
Delta R.T. 0.01 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	17.8	53.5
77	30.3	24.9	37.3





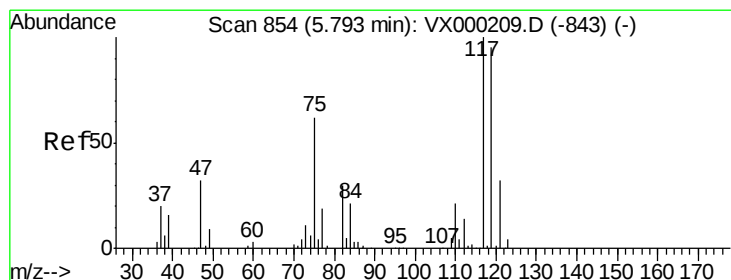
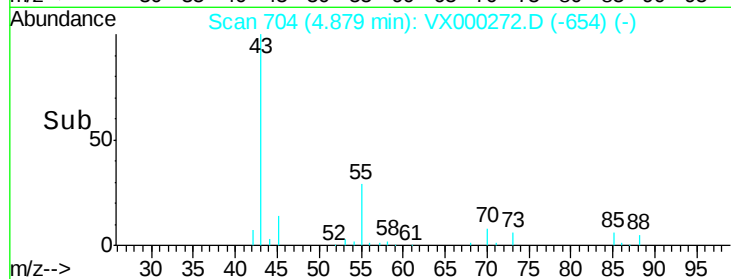
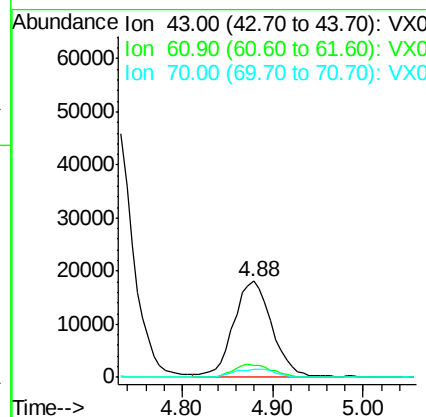
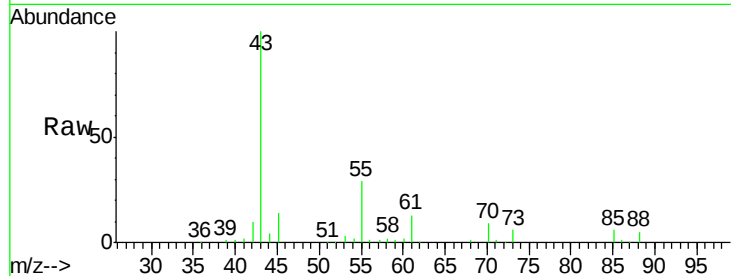
#37
Ethyl Acetate
Concen: 18.80 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0312MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.6
70	9.7	7.8	11.6

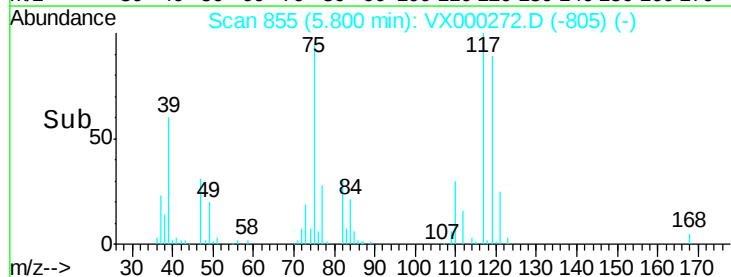
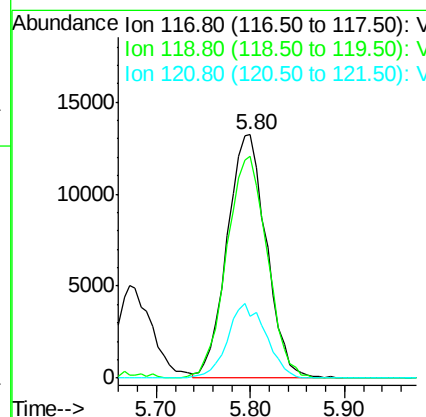
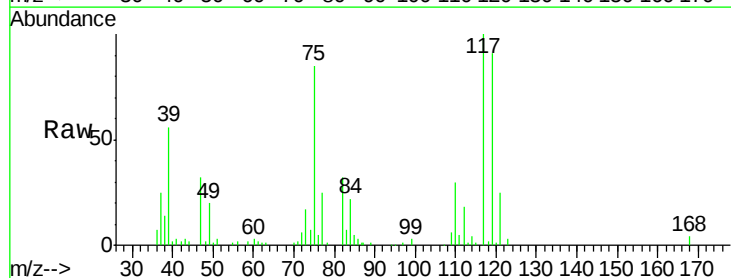
Manual Integrations
APPROVED

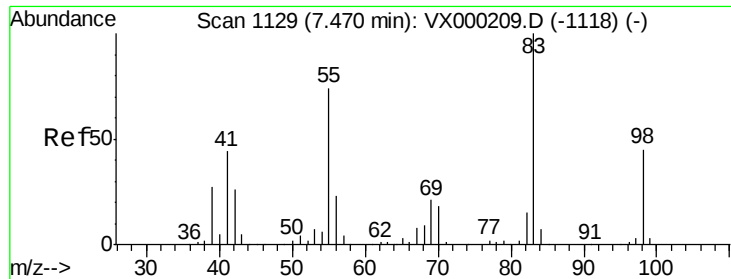
apatel
3/13/2018 10:58:31 AM



#38
Carbon Tetrachloride
Concen: 19.48 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.01 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.3	75.9	113.9
121	25.4	25.8	38.6#





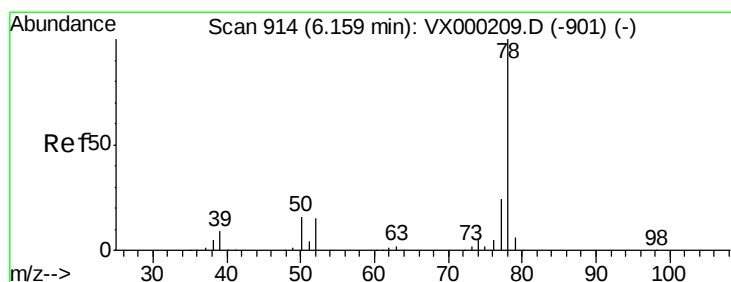
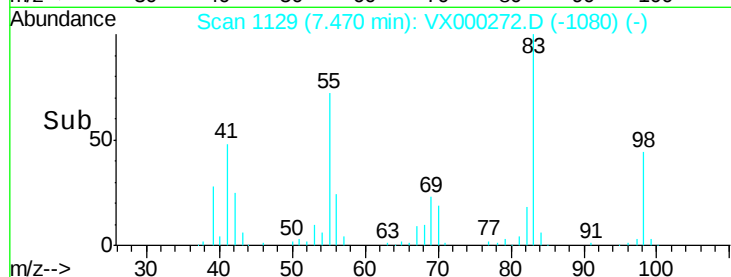
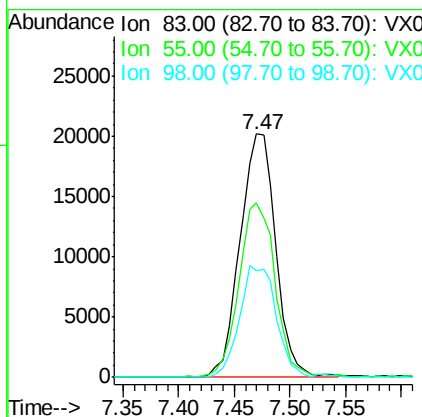
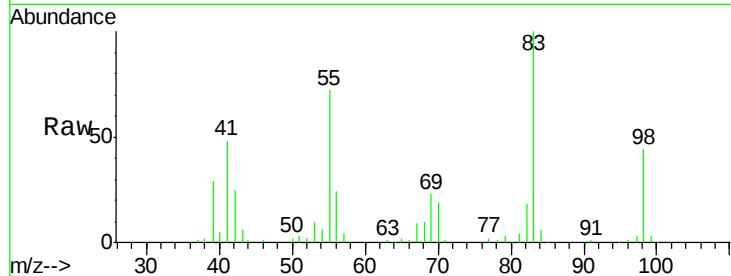
#39
Methvlcvclohexane
Concen: 18.87 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0312MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.1	59.4	89.0
98	43.8	36.3	54.5

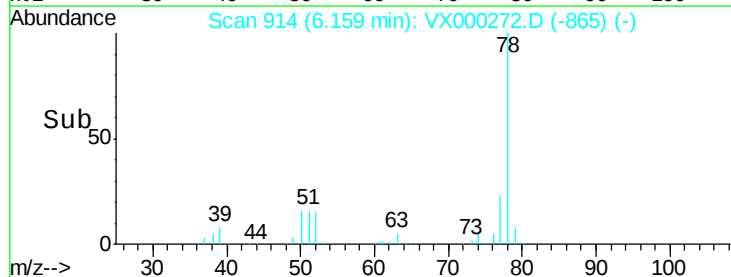
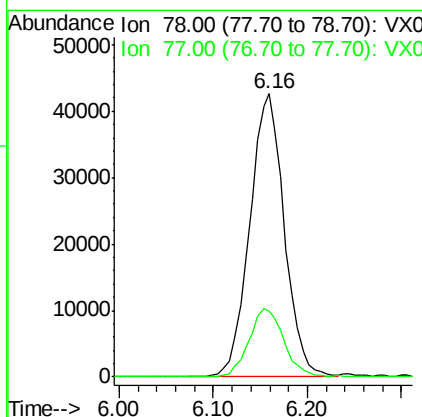
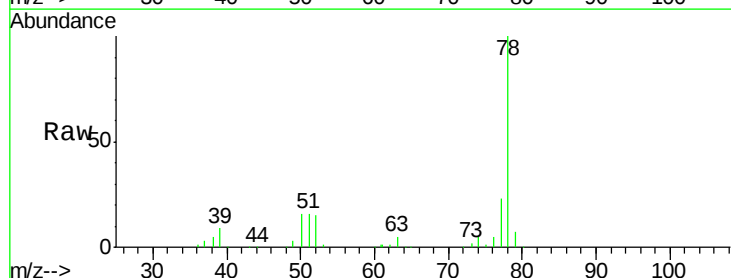
Manual Integrations
APPROVED

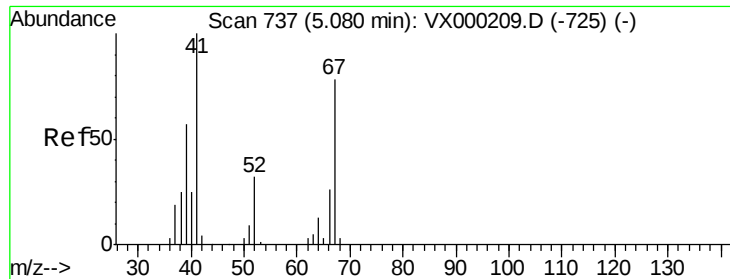
apatel
3/13/2018 10:58:31 AM



#40
Benzene
Concen: 19.54 ug/l
RT: 6.16 min Scan# 914
Delta R.T. 0.00 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.4	29.2





#41

Methacrylonitrile

Concen: 18.66 ug/l

RT: 5.07 min Scan# 736

Delta R.T. -0.01 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Instrument :

MSVOA_X

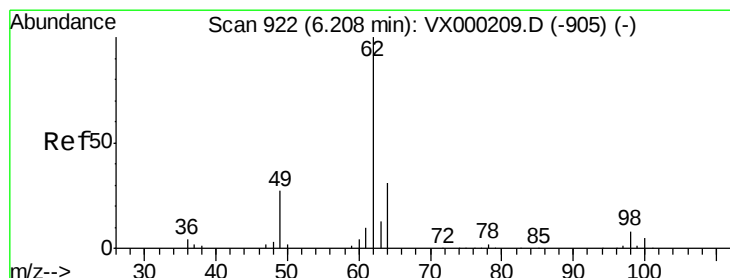
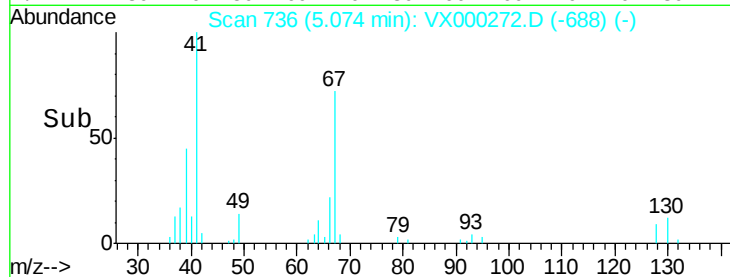
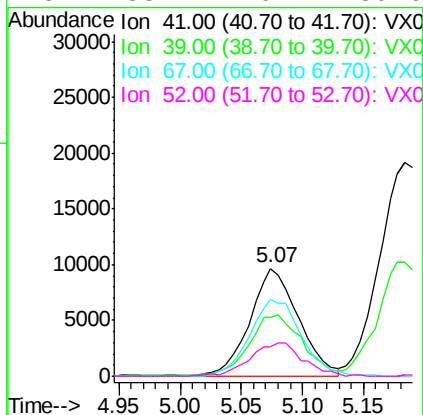
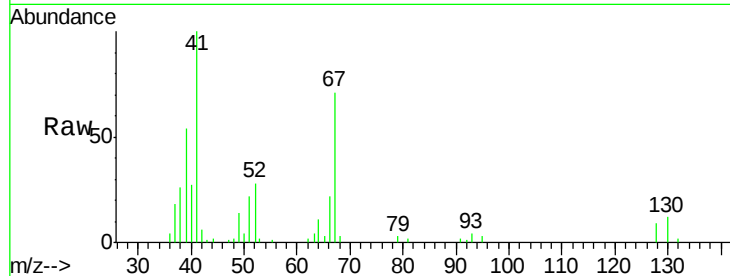
ClientSampleId :

VX0312MBS01

Tot Ion:	41	Resp:	26778
Ion	Ratio	Lower	Upper
41	100		
39	60.5	47.8	71.6
67	75.3	59.3	88.9
52	33.4	26.4	39.6

Manual Integrations
APPROVED

apatel
3/13/2018 10:58:31 AM



#42

1,2-Dichloroethane

Concen: 19.96 ug/l

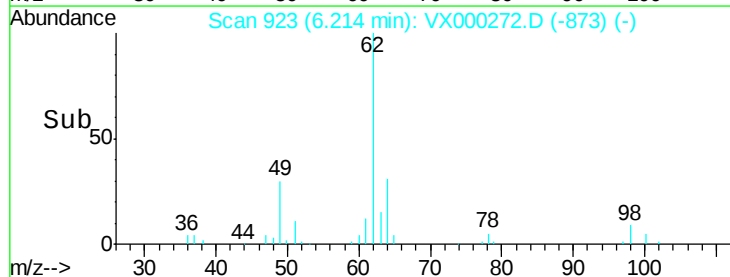
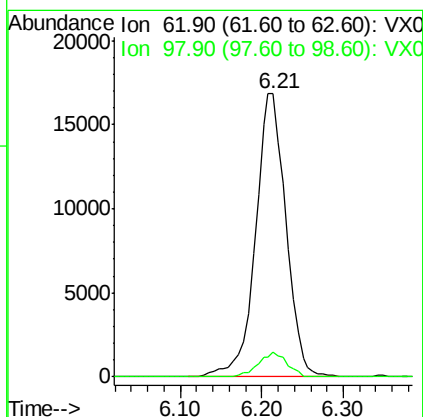
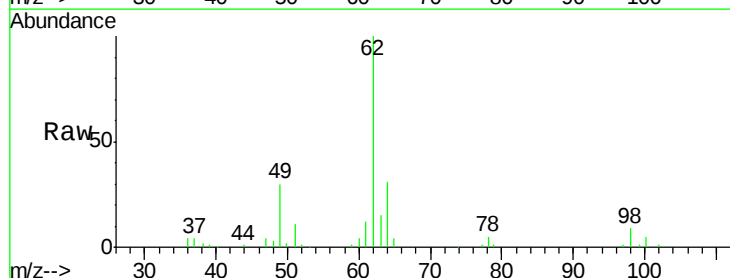
RT: 6.21 min Scan# 923

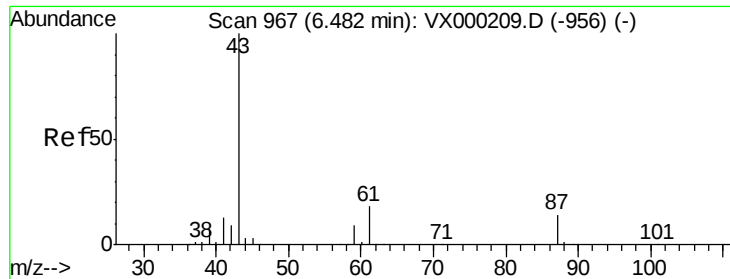
Delta R.T. 0.01 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Tgt Ion:	62	Resp:	43978
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.2





#43

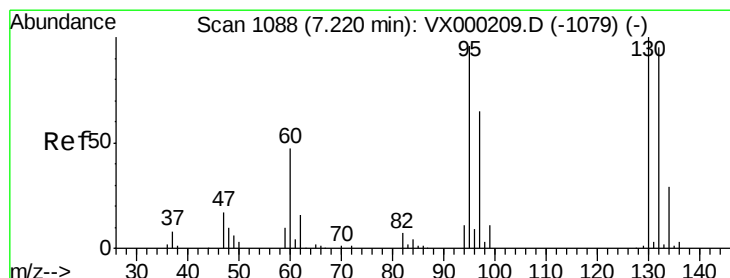
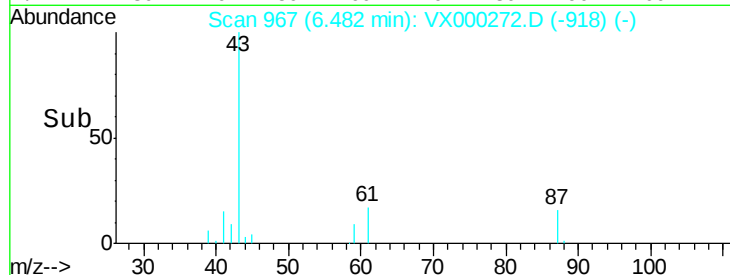
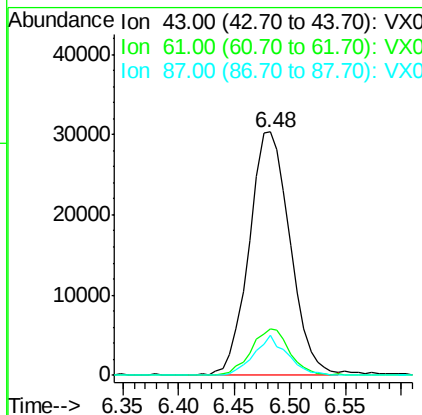
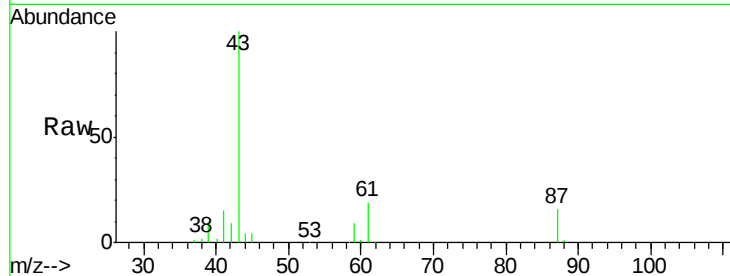
Isopropyl Acetate
 Concen: 19.08 ug/l
 RT: 6.48 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VX000272.D
 Acq: 12 Mar 2018 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.8	22.2
87	13.5	10.6	16.0

Manual Integrations
 APPROVED

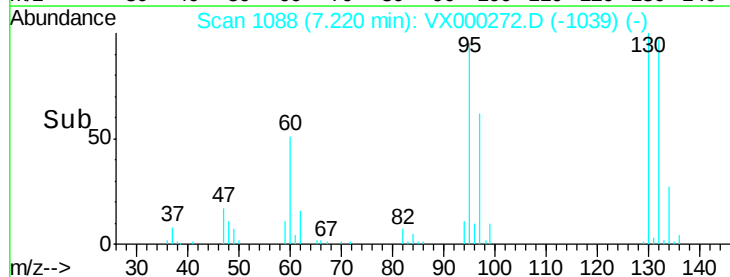
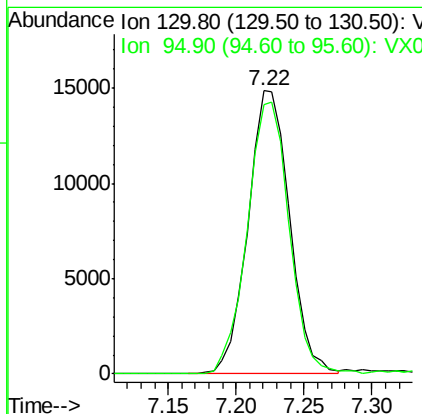
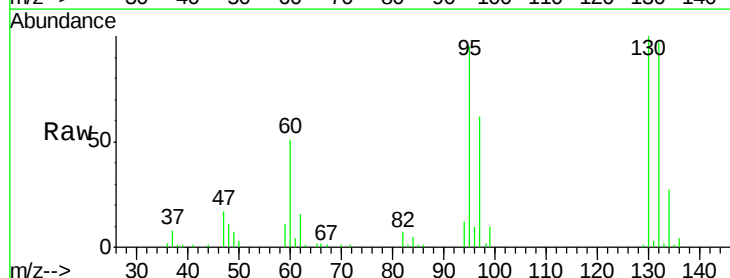
apatel
 3/13/2018 10:58:31 AM

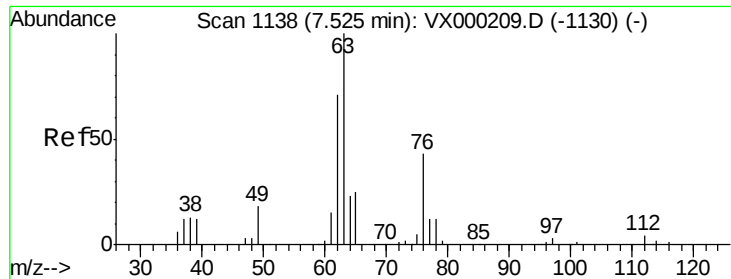


#44

Trichloroethene
 Concen: 19.68 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX000272.D
 Acq: 12 Mar 2018 12:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	191.8





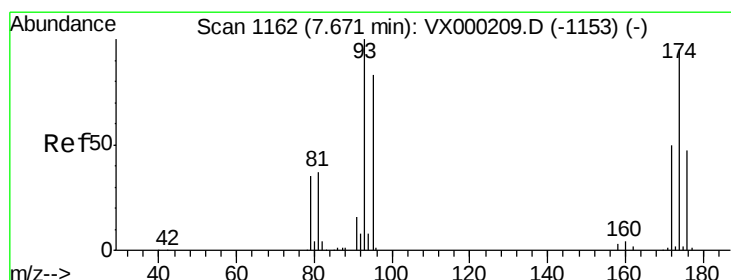
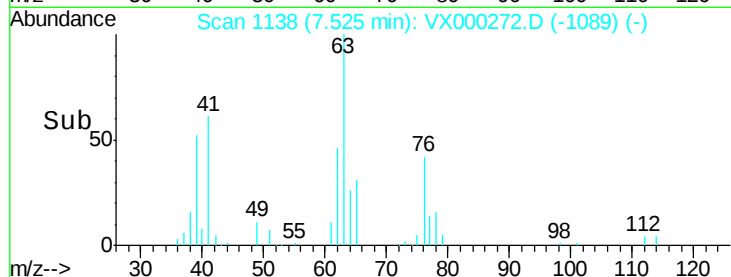
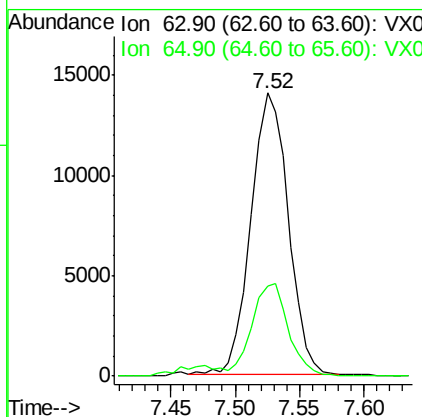
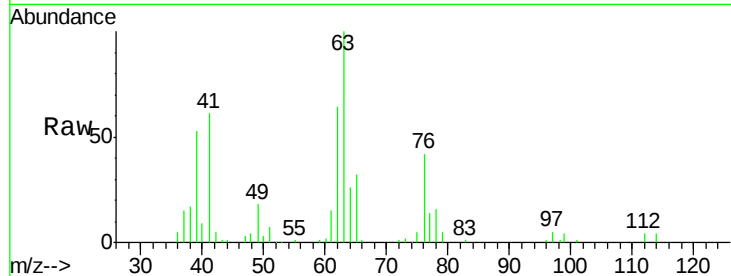
#45
 1,2-Dichloropropane
 Concen: 19.81 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX000272.D
 Acq: 12 Mar 2018 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312MBS01

Tot Ion: 63 Resp: 28186
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.3 33.5

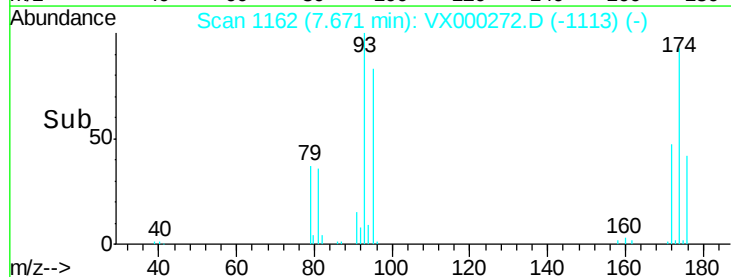
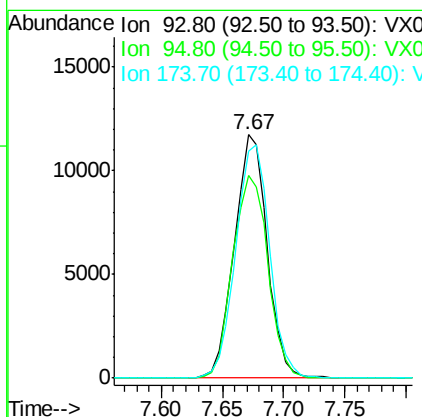
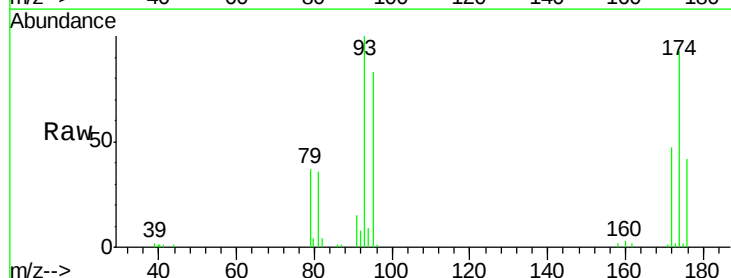
Manual Integrations
 APPROVED

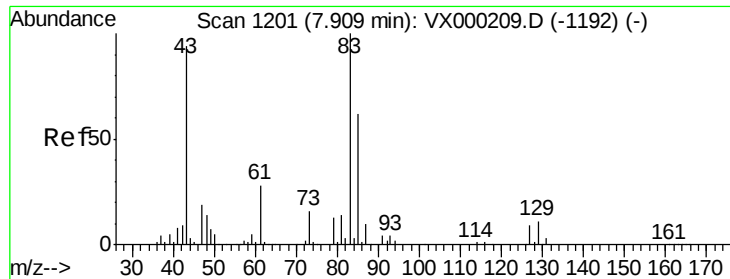
apatel
 3/13/2018 10:58:31 AM



#46
 Dibromomethane
 Concen: 19.39 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX000272.D
 Acq: 12 Mar 2018 12:07

Tgt Ion: 93 Resp: 21825
 Ion Ratio Lower Upper
 93 100
 95 88.9 64.1 96.1
 174 99.2 75.8 113.8





#47

Bromodichloromethane

Concen: 19.92 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Instrument :

MSVOA_X

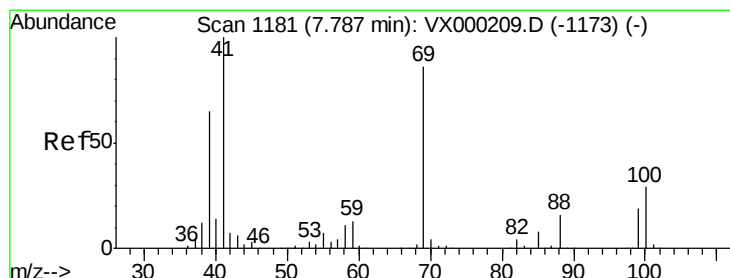
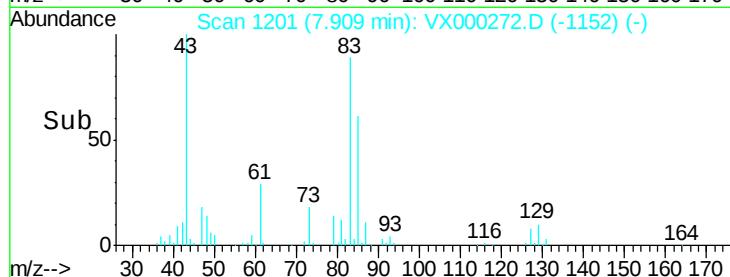
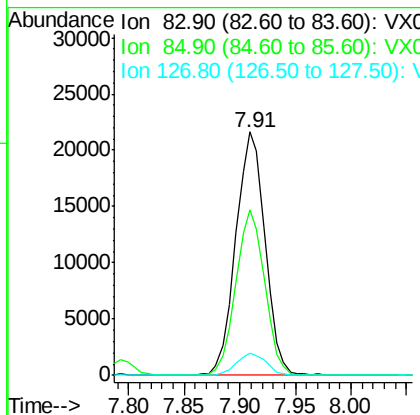
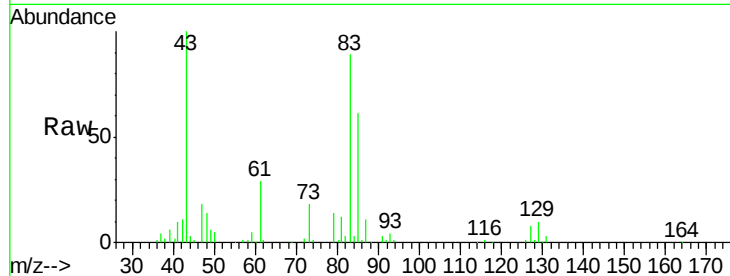
ClientSampleId :

VX0312MBS01

Tot Ion:	83	Resp:	39453
Ion	Ratio	Lower	Upper
83	100		
85	67.9	49.6	74.4
127	9.2	7.0	10.4

Manual Integrations
APPROVED

apatel
3/13/2018 10:58:31 AM



#48

Methyl methacrylate

Concen: 19.15 ug/l

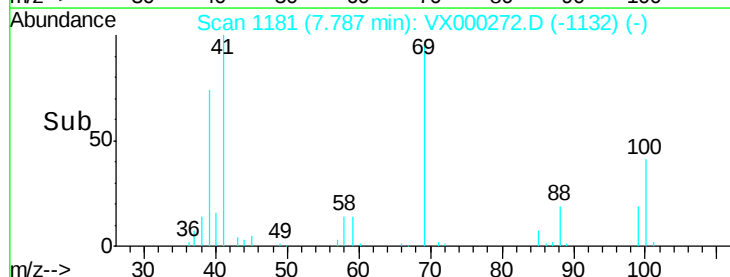
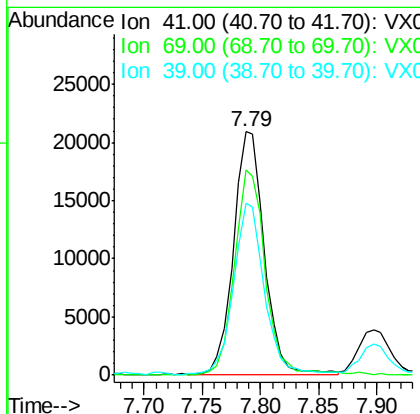
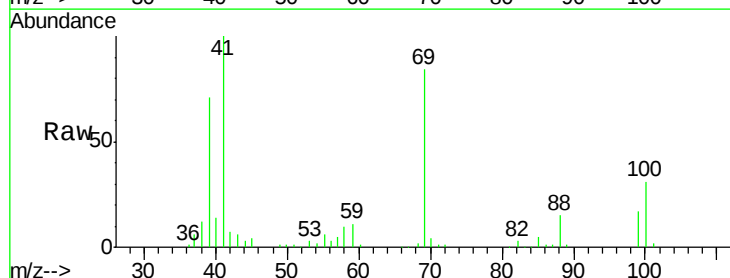
RT: 7.79 min Scan# 1181

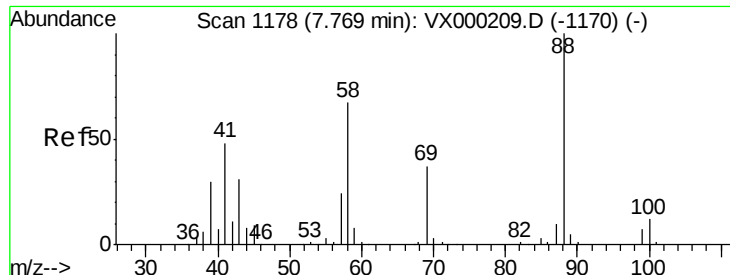
Delta R.T. 0.00 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Tgt Ion:	41	Resp:	38395
Ion	Ratio	Lower	Upper
41	100		
69	85.0	70.0	105.0
39	71.4	53.6	80.4





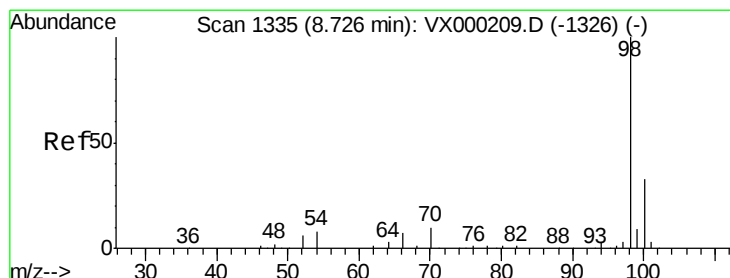
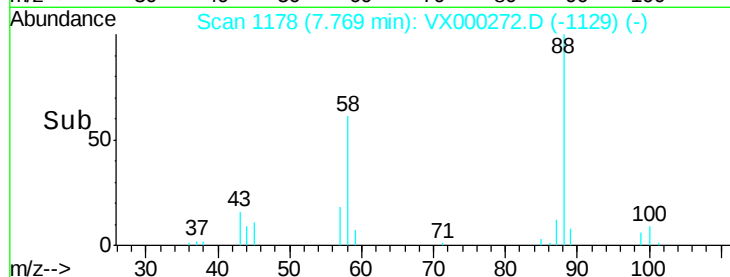
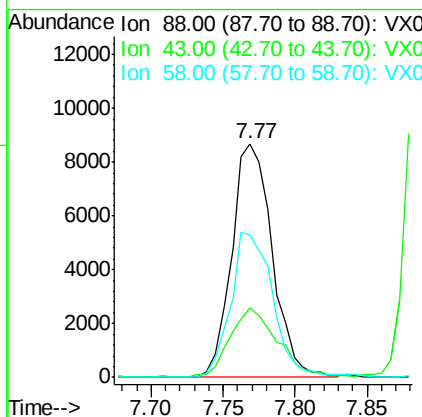
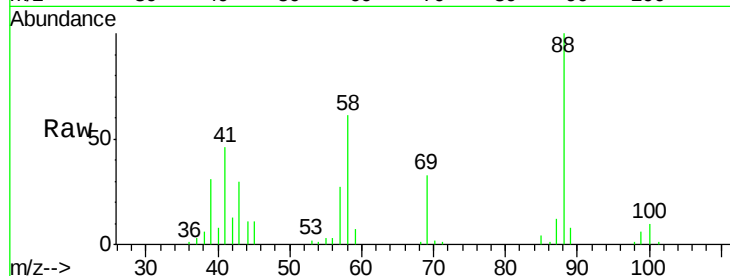
#49
1,4-Dioxane
Concen: 372.17 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0312MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.2	26.9	40.3
58	64.9	52.2	78.4

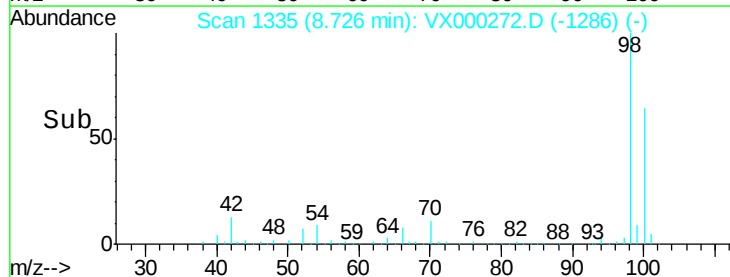
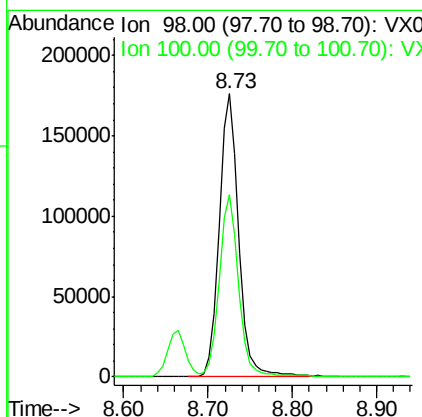
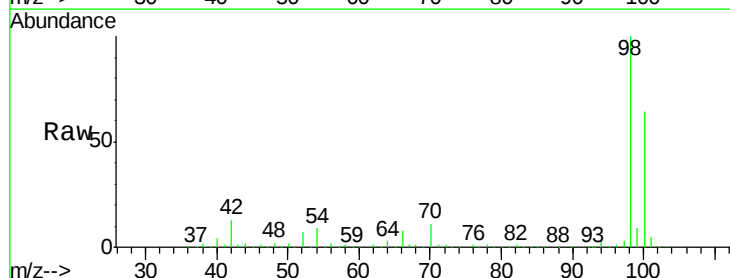
Manual Integrations
APPROVED

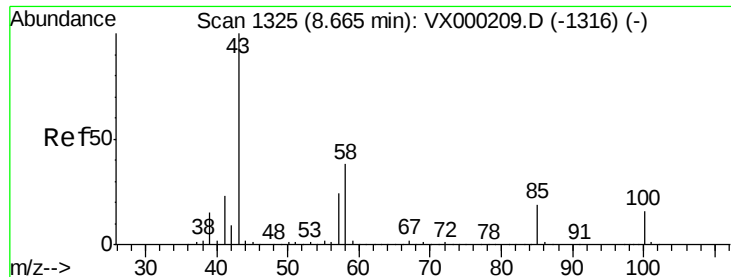
apatel
3/13/2018 10:58:31 AM



#50
Toluene-d8
Concen: 49.28 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 98.10 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.01 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0312MBS01

Tot Ion: 43 Resp: 301371

Ion Ratio Lower Upper

43 100

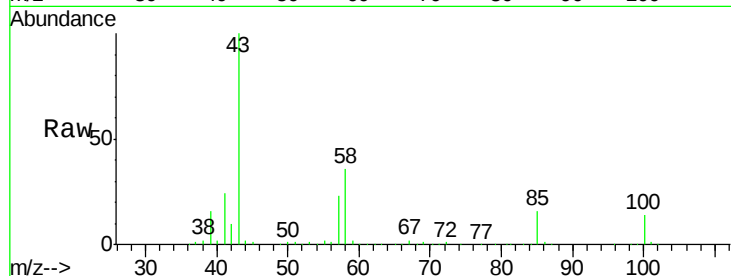
58 36.2 30.2 45.2

Manual Integrations

APPROVED

apatel

3/13/2018 10:58:31 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

200000

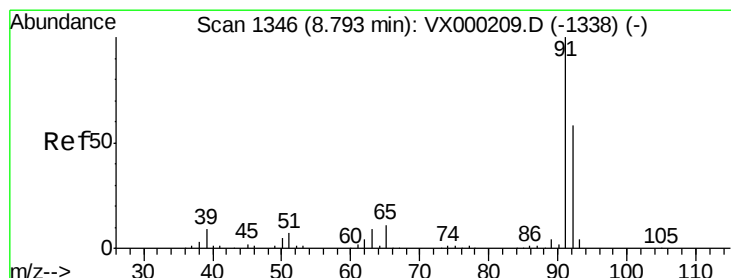
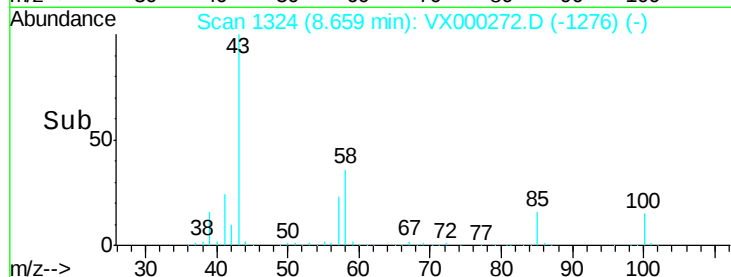
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.77 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX000272.D

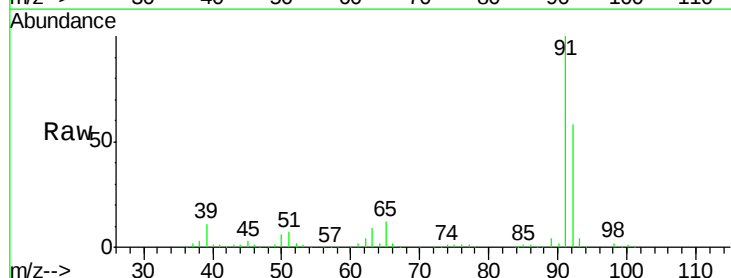
Acq: 12 Mar 2018 12:07

Tgt Ion: 92 Resp: 76115

Ion Ratio Lower Upper

92 100

91 176.9 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

100000

80000

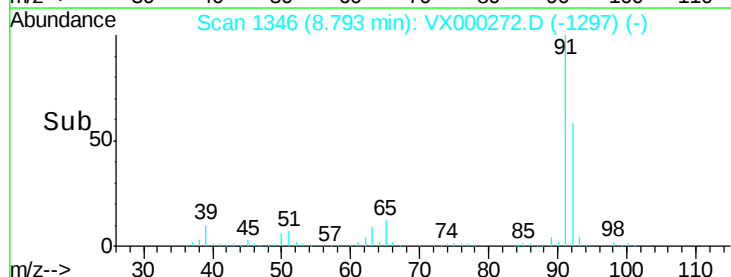
60000

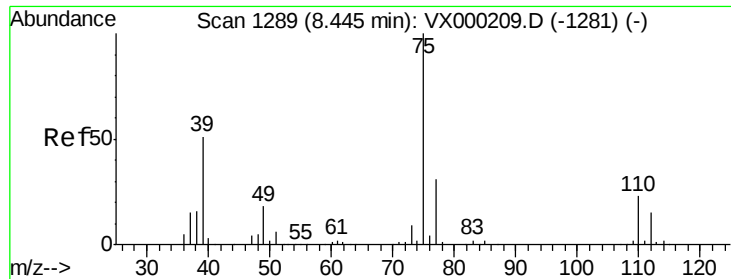
40000

20000

0

Time-->





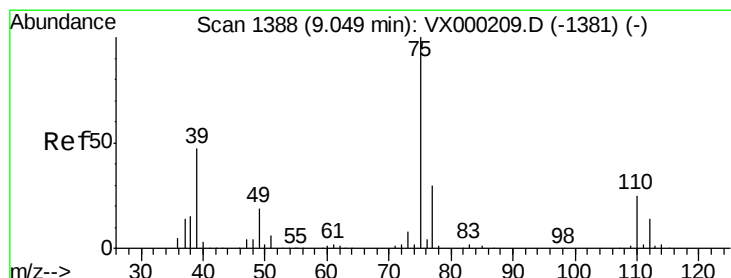
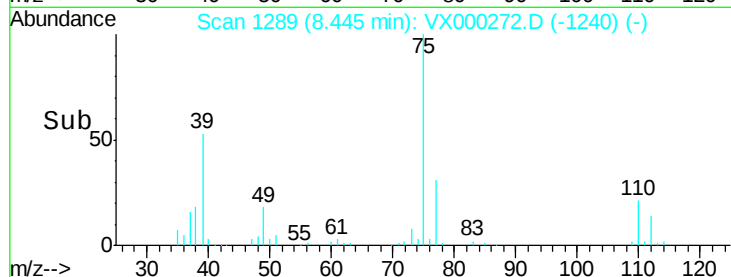
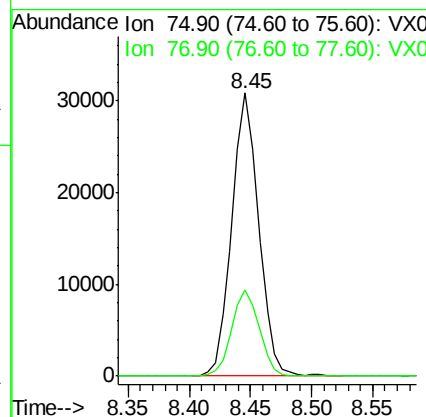
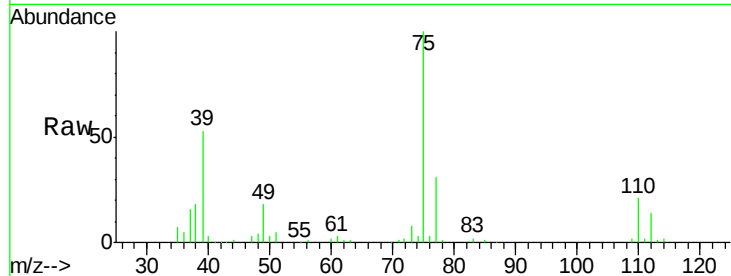
#53
 t-1,3-Dichloropropene
 Concen: 20.15 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VX000272.D
 Acq: 12 Mar 2018 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.8	37.2

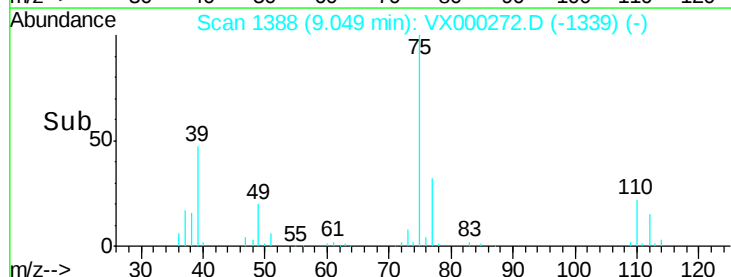
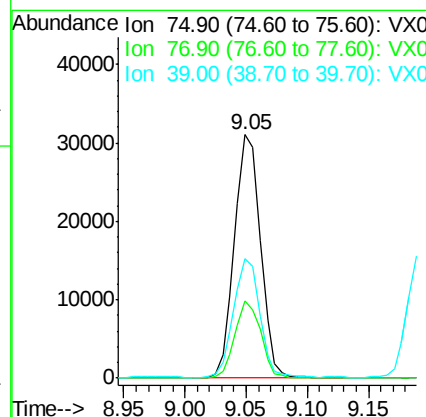
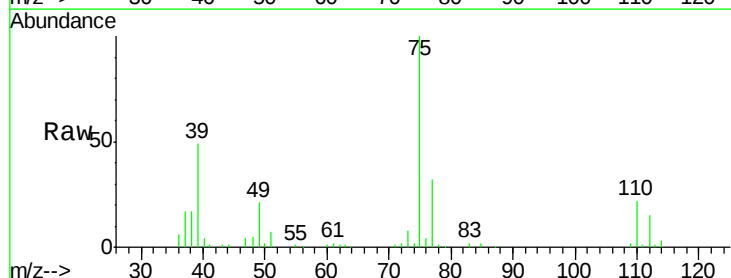
Manual Integrations
 APPROVED

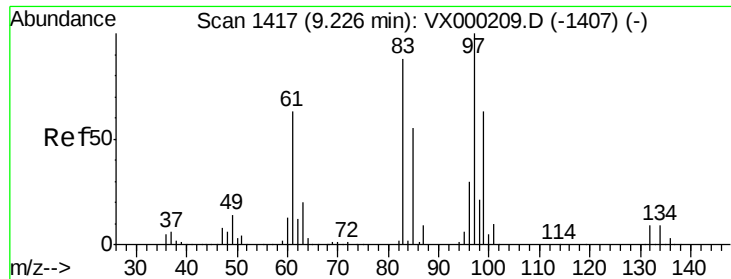
apatel
 3/13/2018 10:58:31 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.28 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX000272.D
 Acq: 12 Mar 2018 12:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	23.9	35.9
39	48.6	37.4	56.2





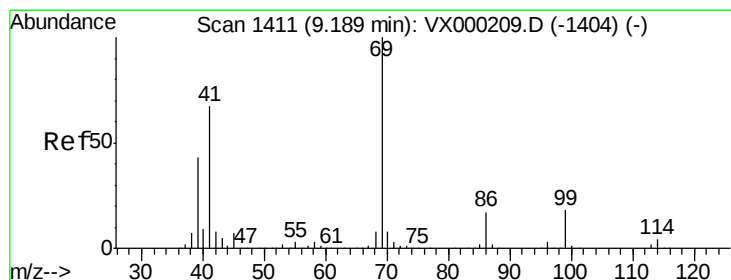
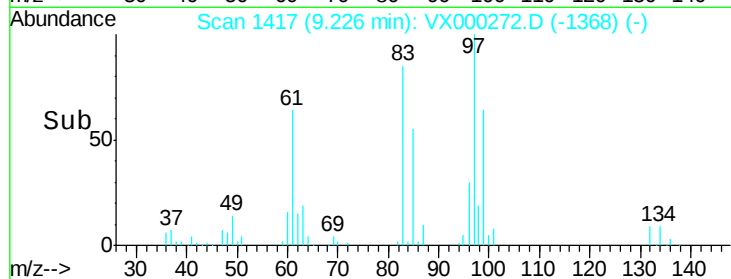
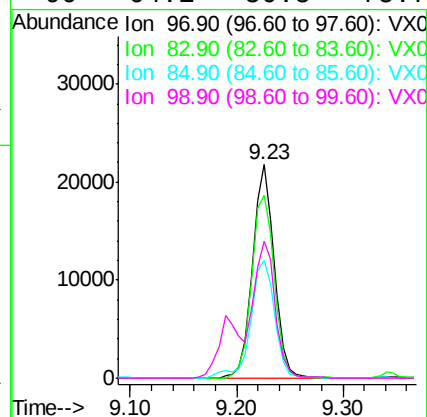
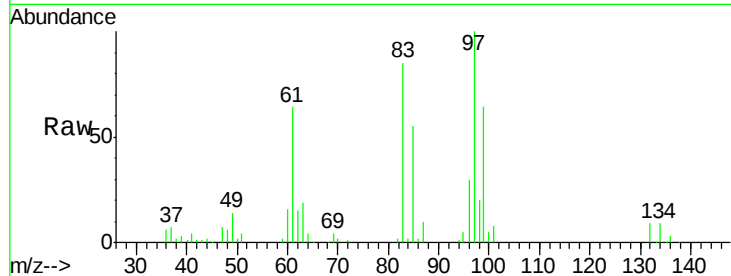
#55
 1,1,2-Trichloroethane
 Concen: 20.00 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VX000272.D
 Acq: 12 Mar 2018 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312MBS01

Tot Ion:	97	Resp:	31195
Ion	Ratio	Lower	Upper
97	100		
83	85.4	70.4	105.6
85	55.4	43.9	65.9
99	64.1	50.5	75.7

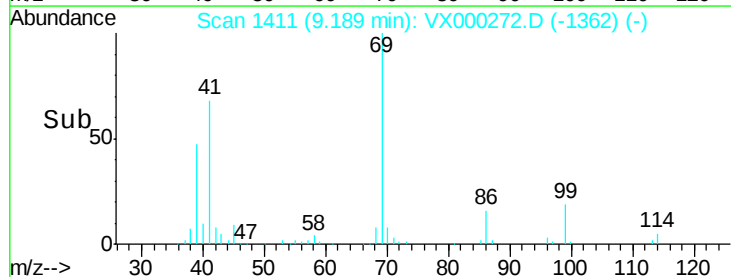
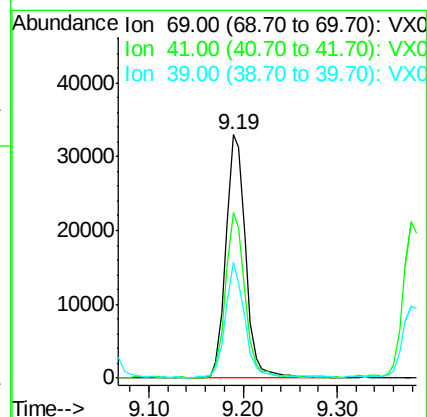
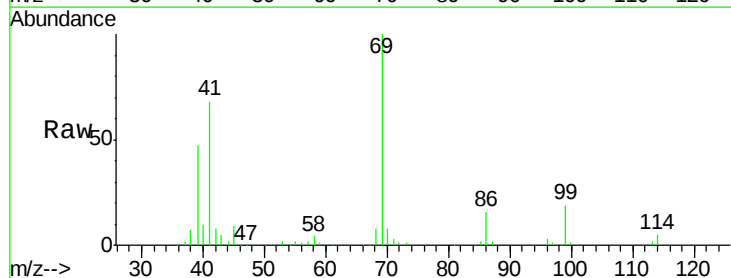
Manual Integrations
 APPROVED

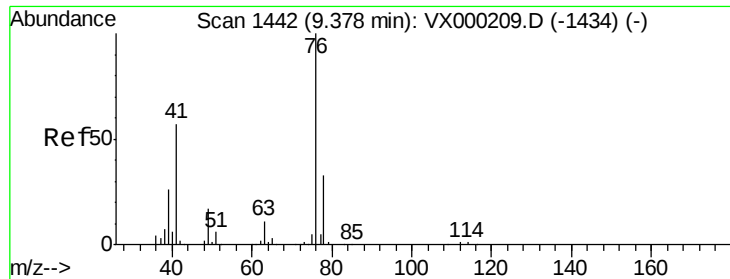
apatel
 3/13/2018 10:58:31 AM



#56
 Ethyl methacrylate
 Concen: 20.67 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX000272.D
 Acq: 12 Mar 2018 12:07

Tgt Ion:	69	Resp:	48242
Ion	Ratio	Lower	Upper
69	100		
41	67.7	52.2	78.2
39	45.9	34.3	51.5





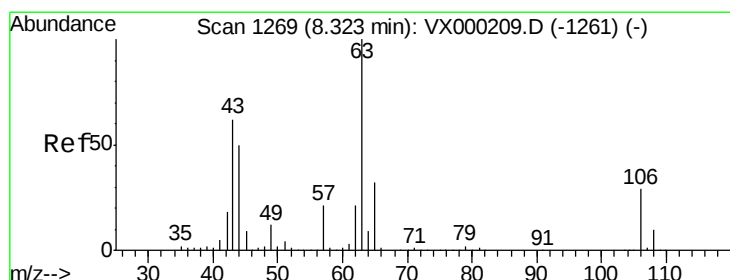
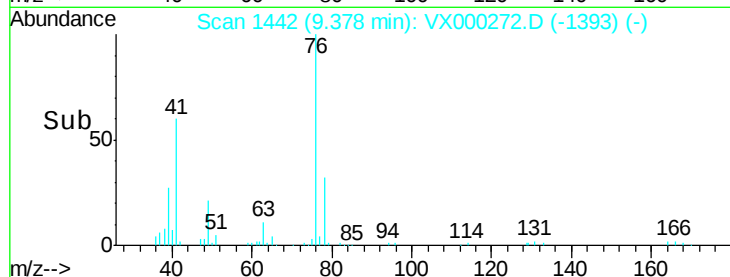
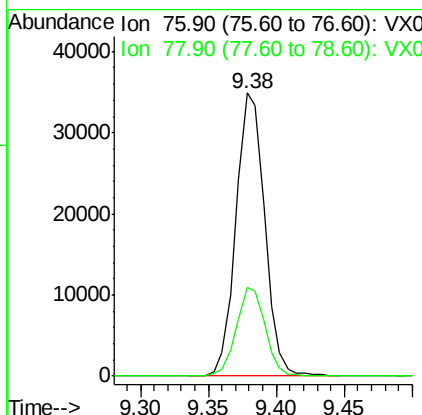
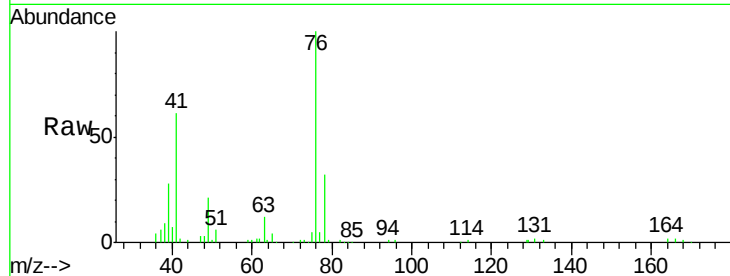
#57
 1,3-Dichloropropane
 Concen: 19.65 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX000272.D
 Acq: 12 Mar 2018 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312MBS01

Tot Ion: 76 Resp: 51458
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.2 39.2

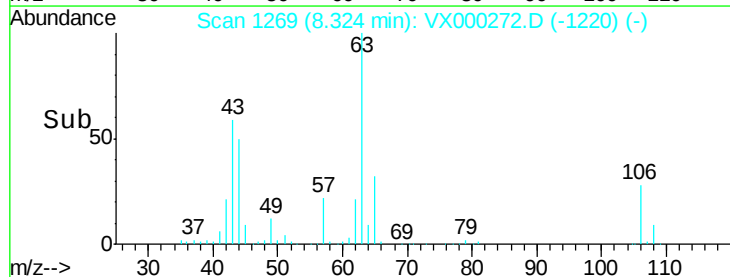
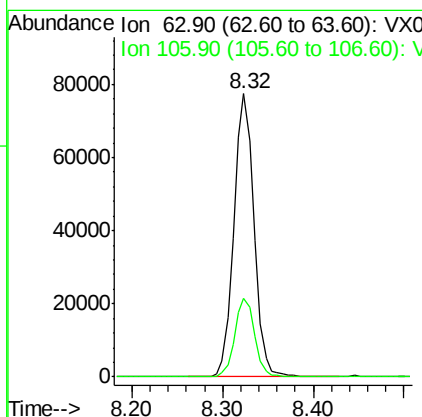
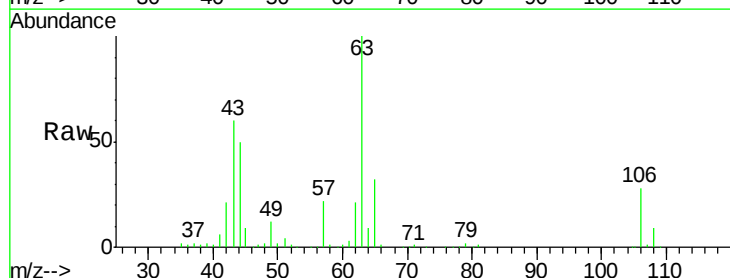
Manual Integrations
 APPROVED

apatel
 3/13/2018 10:58:31 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.49 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VX000272.D
 Acq: 12 Mar 2018 12:07

Tgt Ion: 63 Resp: 120767
 Ion Ratio Lower Upper
 63 100
 106 27.4 23.2 34.8





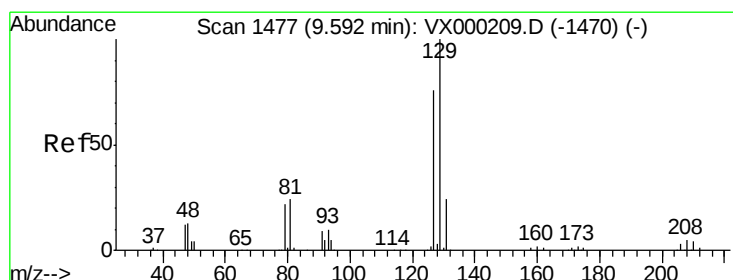
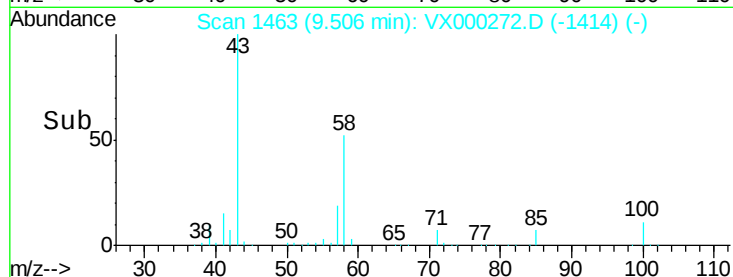
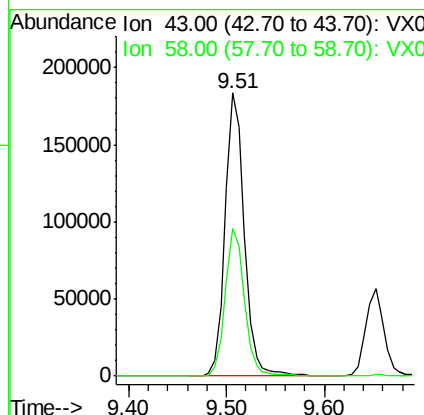
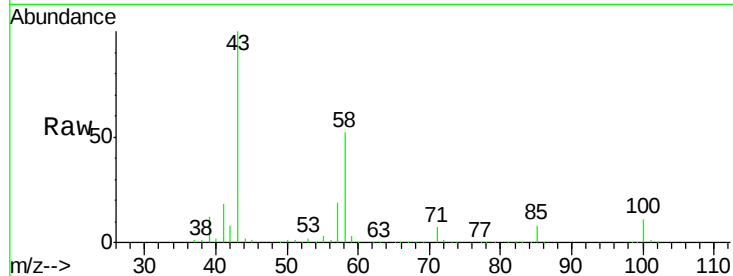
#59
2-Hexanone
Concen: 95.78 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0312MBS01

Tot Ion: 43 Resp: 250878
Ion Ratio Lower Upper
43 100
58 52.5 26.6 79.7

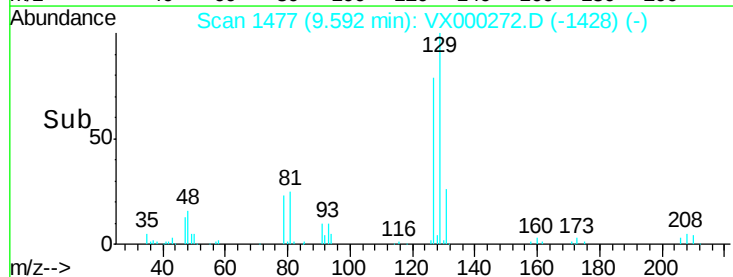
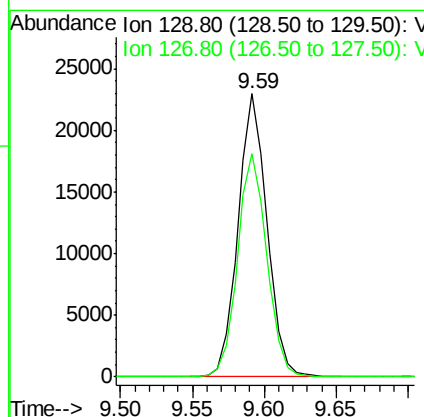
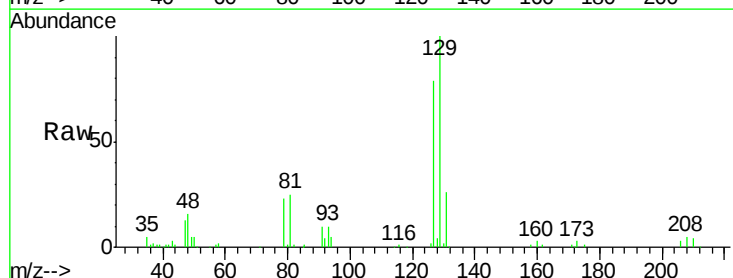
Manual Integrations
APPROVED

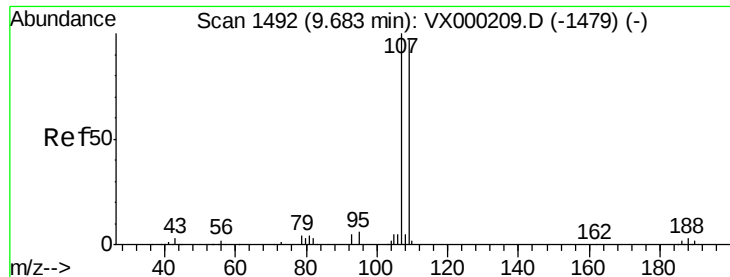
apatel
3/13/2018 10:58:31 AM



#60
Dibromochloromethane
Concen: 19.48 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Tgt Ion: 129 Resp: 32034
Ion Ratio Lower Upper
129 100
127 79.7 39.1 117.2





#61

1,2-Dibromoethane

Concen: 20.32 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0312MBS01

Tot Ion:107 Resp: 35185

Ion Ratio Lower Upper

107 100

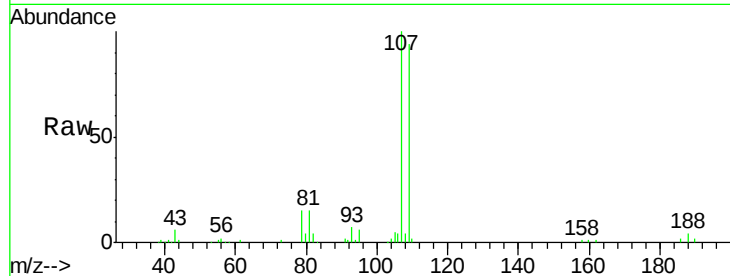
109 92.6 76.8 115.2

Manual Integrations

APPROVED

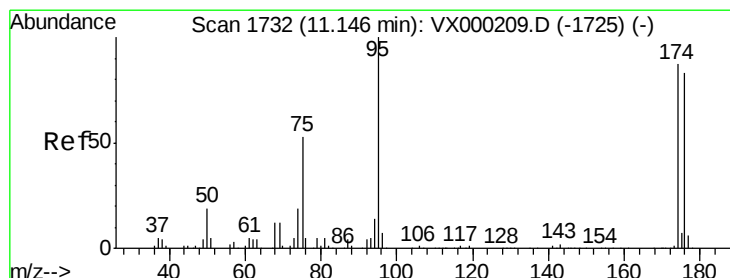
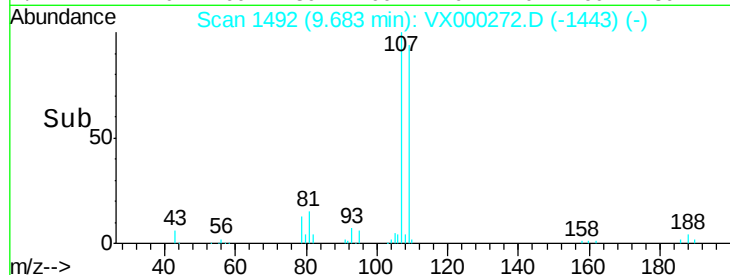
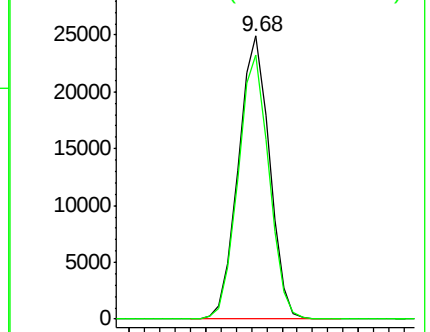
apatel

3/13/2018 10:58:31 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.51 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

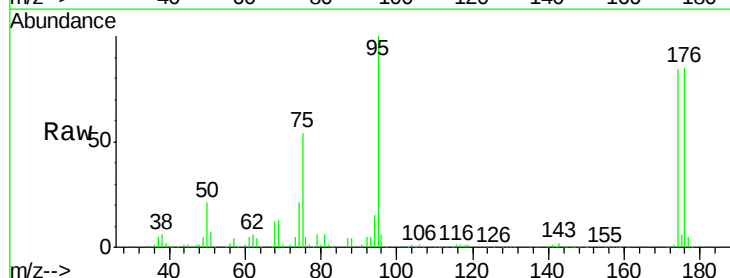
Tgt Ion: 95 Resp: 107838

Ion Ratio Lower Upper

95 100

174 86.9 0.0 175.6

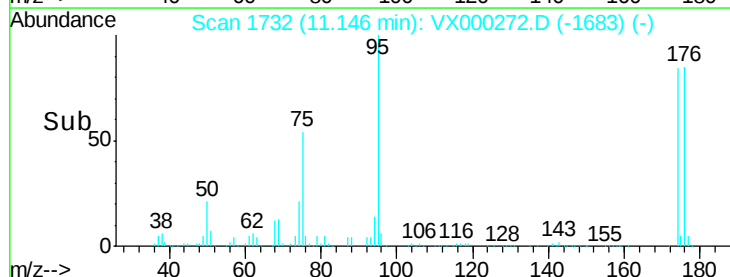
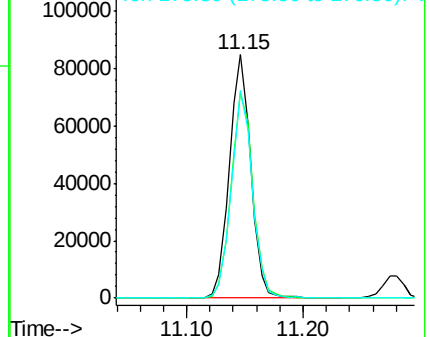
176 84.7 0.0 171.0

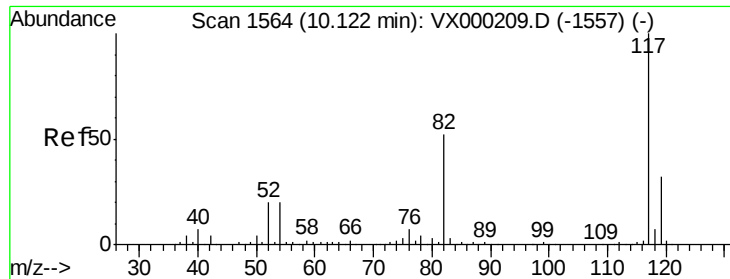


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





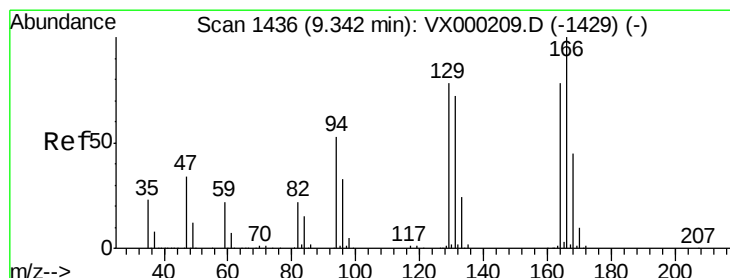
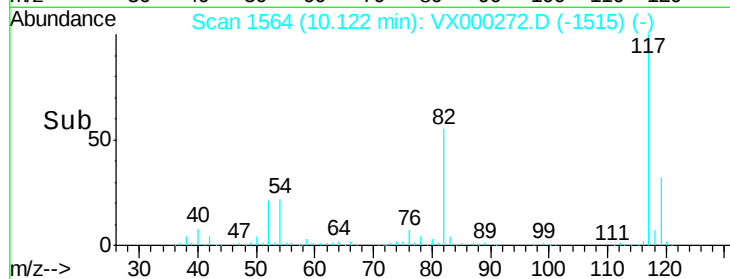
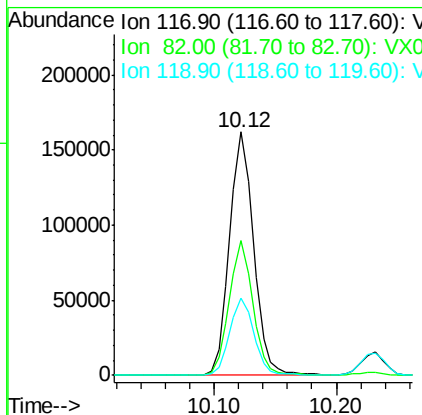
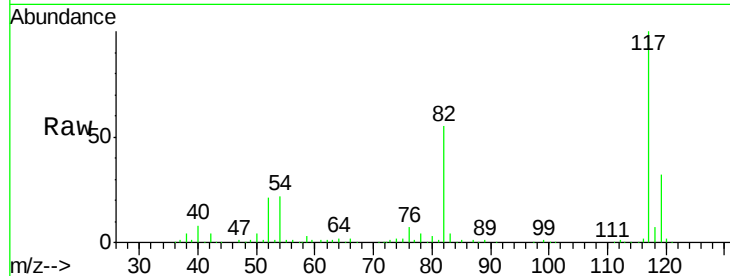
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0312MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	42.0	63.0
119	31.8	25.3	37.9

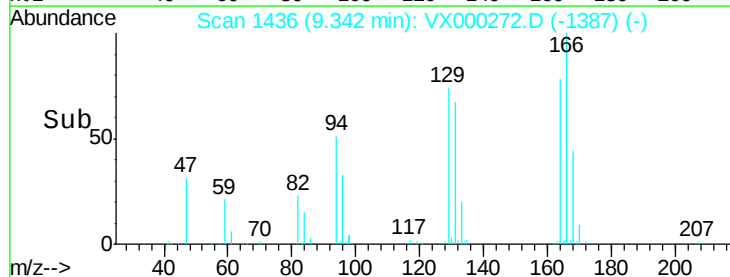
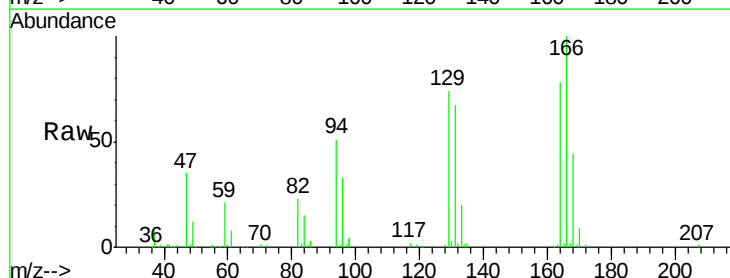
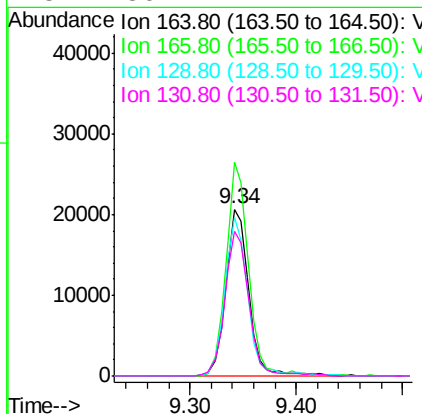
Manual Integrations
APPROVED

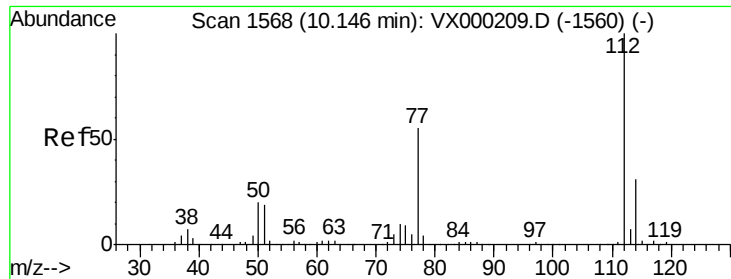
apatel
3/13/2018 10:58:31 AM



#64
Tetrachloroethene
Concen: 20.13 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	103.0	154.6
129	95.0	80.2	120.4
131	86.4	74.2	111.4





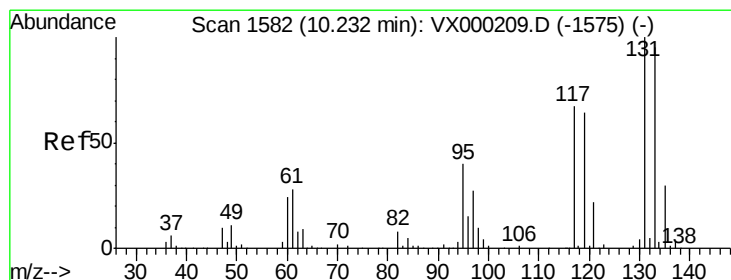
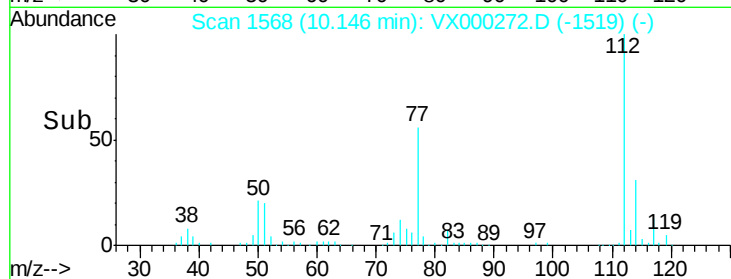
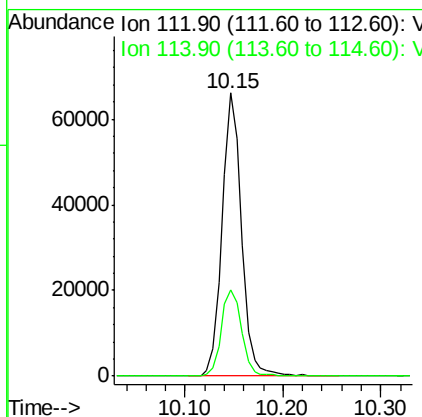
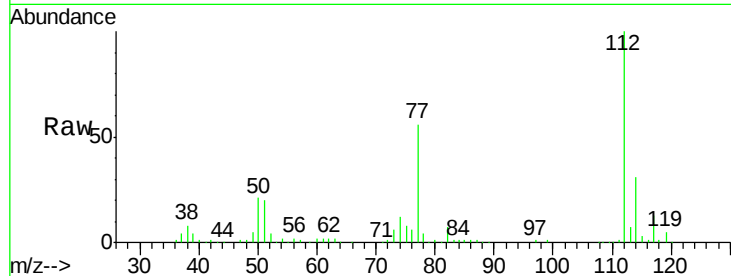
#65
Chlorobenzene
Concen: 20.35 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0312MBS01

Tot Ion:112 Resp: 91220
Ion Ratio Lower Upper
112 100
114 30.7 25.0 37.4

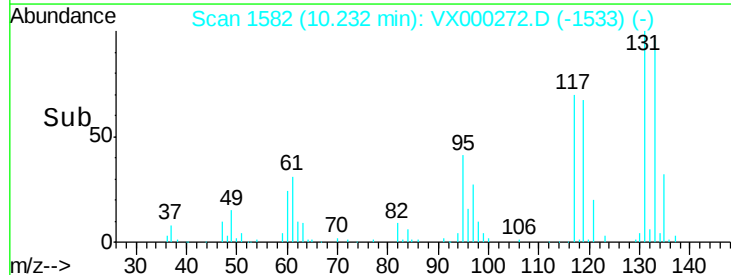
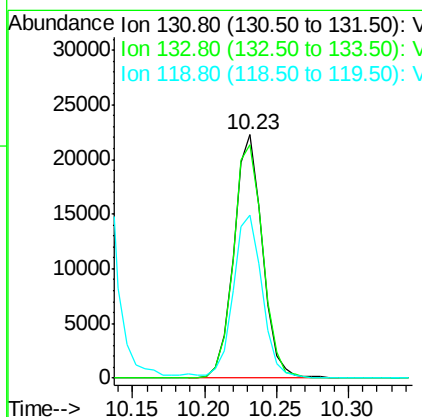
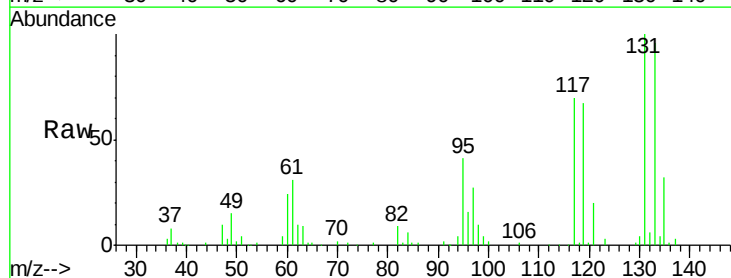
Manual Integrations
APPROVED

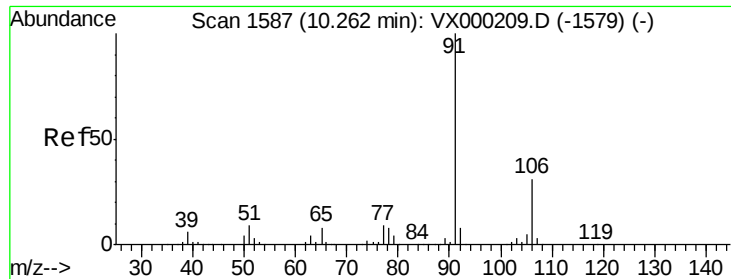
apatel
3/13/2018 10:58:31 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.01 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Tgt Ion:131 Resp: 30676
Ion Ratio Lower Upper
131 100
133 99.2 48.3 144.9
119 68.6 32.3 96.8





#67

Ethyl Benzene

Concen: 19.62 ug/l

RT: 10.26 min Scan# 1587

Delta R.T. 0.00 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0312MBS01

Tot Ion: 91 Resp: 153532

Ion Ratio Lower Upper

91 100

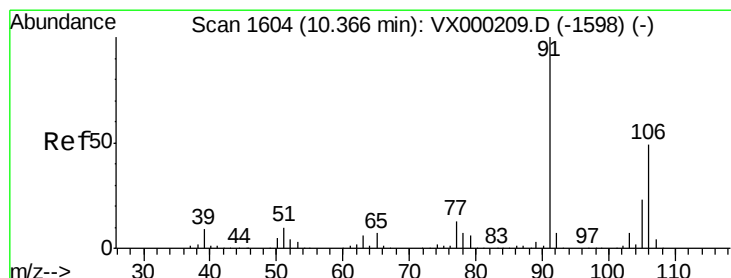
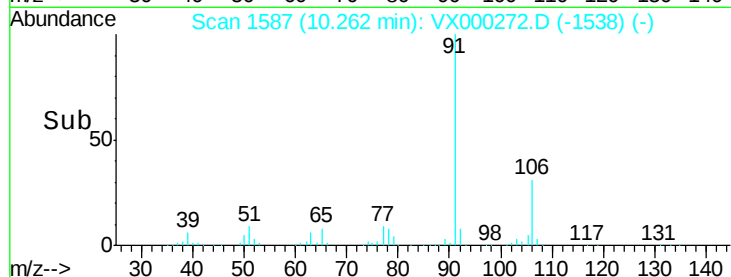
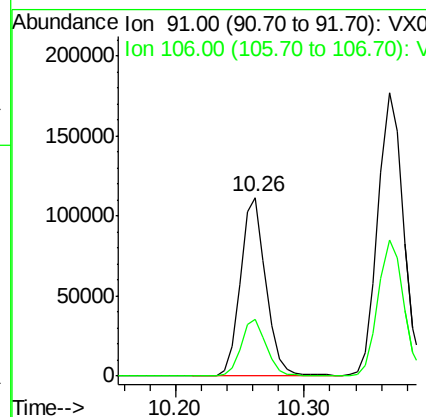
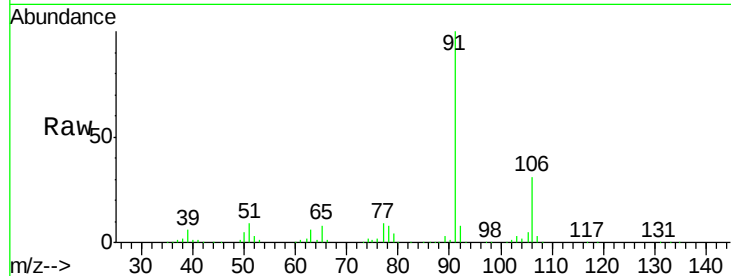
106 31.5 25.2 37.8

Manual Integrations

APPROVED

apatel

3/13/2018 10:58:31 AM



#68

m/p-Xylenes

Concen: 39.14 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX000272.D

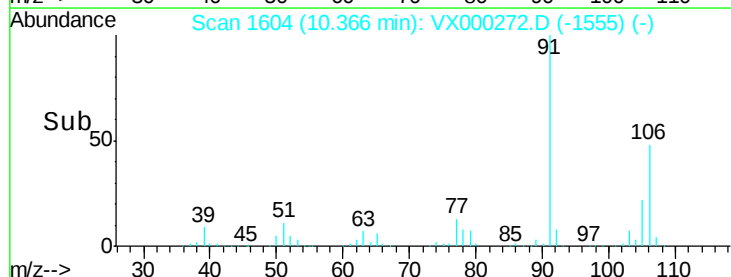
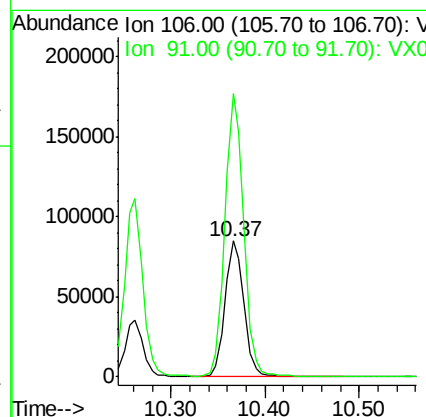
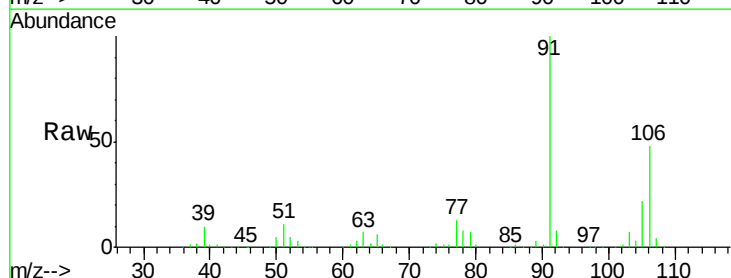
Acq: 12 Mar 2018 12:07

Tgt Ion: 106 Resp: 117879

Ion Ratio Lower Upper

106 100

91 206.7 160.9 241.3





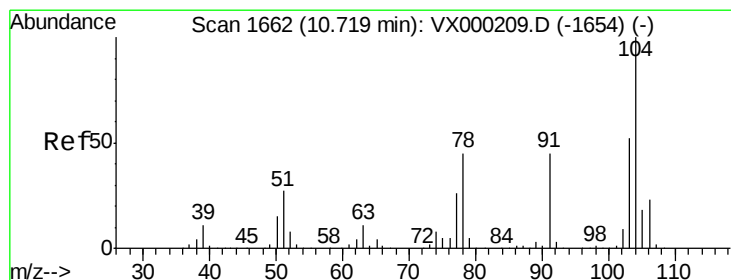
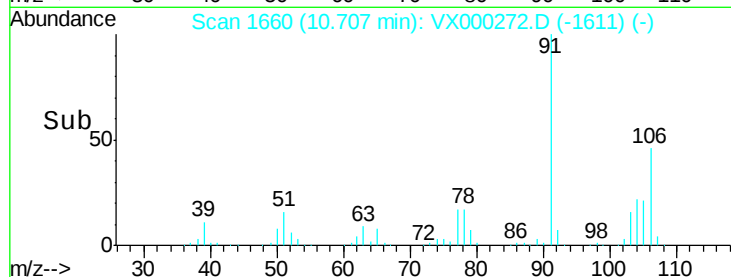
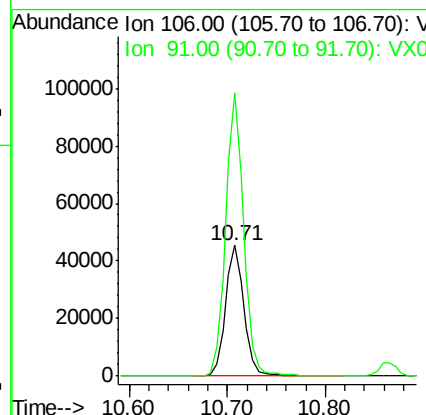
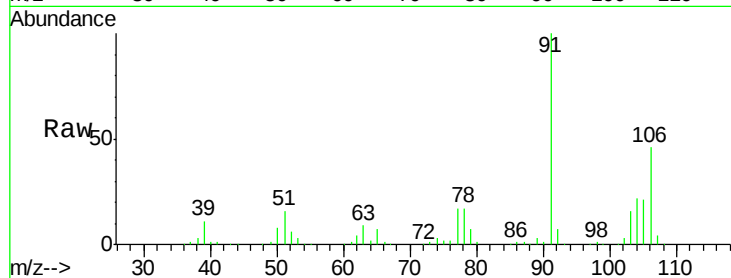
#69
o-Xylene
Concen: 20.32 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0312MBS01

Tot Ion:106 Resp: 58828
Ion Ratio Lower Upper
106 100
91 213.2 105.9 317.7

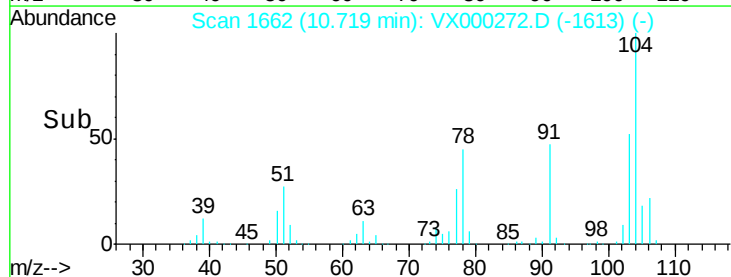
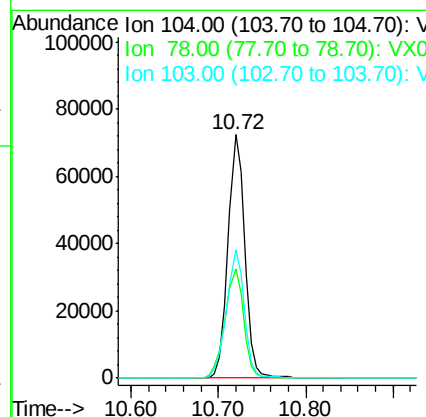
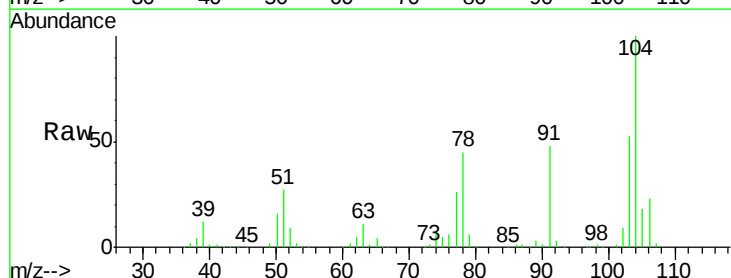
Manual Integrations
APPROVED

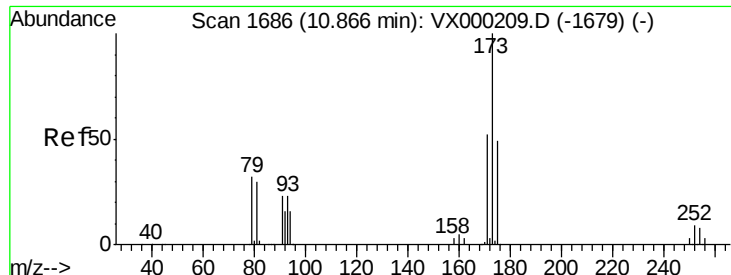
apatel
3/13/2018 10:58:31 AM



#70
Styrene
Concen: 20.09 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Tgt Ion:104 Resp: 96480
Ion Ratio Lower Upper
104 100
78 50.1 39.6 59.4
103 56.0 45.0 67.6





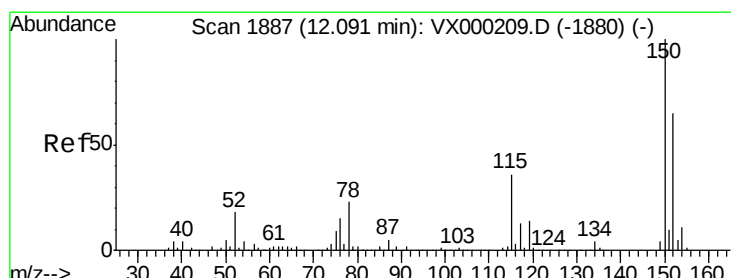
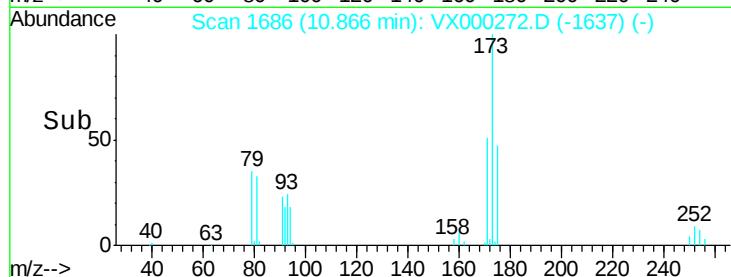
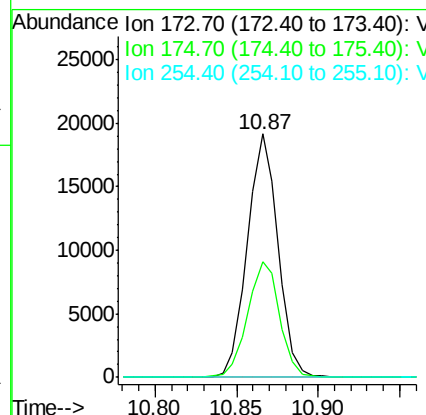
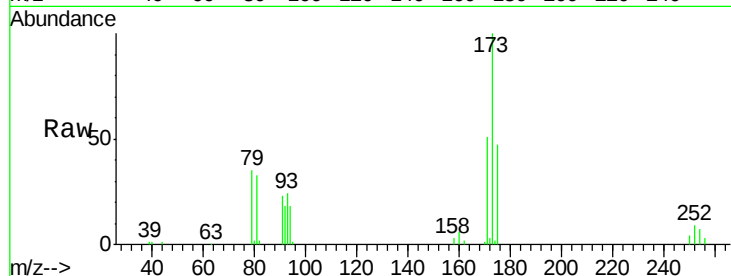
#71
Bromoform
Concen: 18.10 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0312MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.4	73.2
254	0.0	0.2	0.2

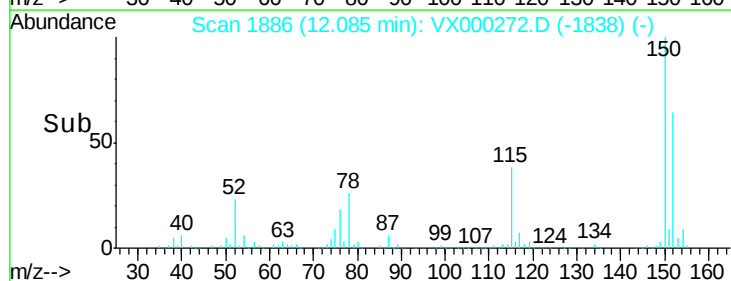
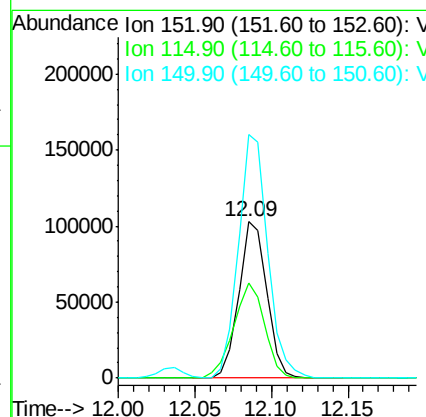
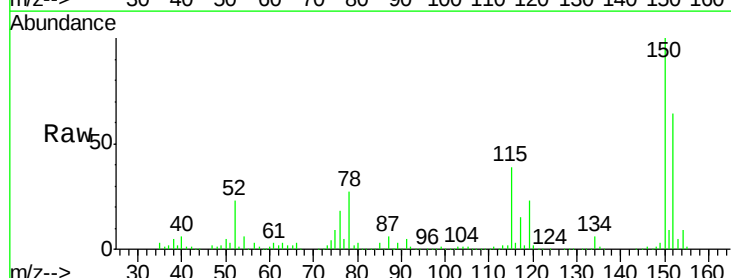
Manual Integrations
APPROVED

apatel
3/13/2018 10:58:31 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.01 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.2	39.8	119.3
150	163.5	0.0	345.0





#73

Isopropylbenzene

Concen: 19.14 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.01 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0312MBS01

Tot Ion:105 Resp: 155986

Ion Ratio Lower Upper

105 100

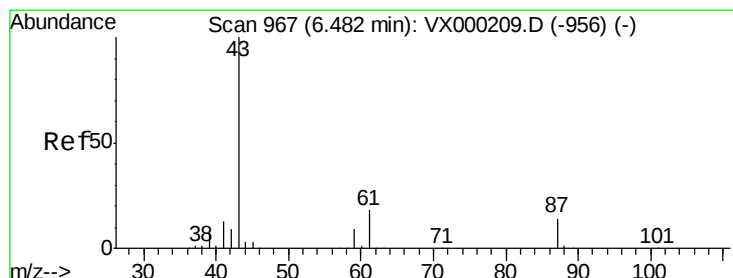
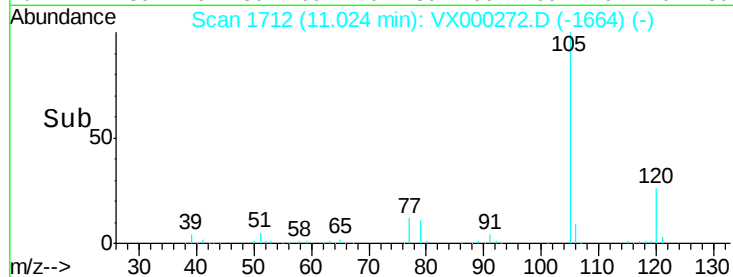
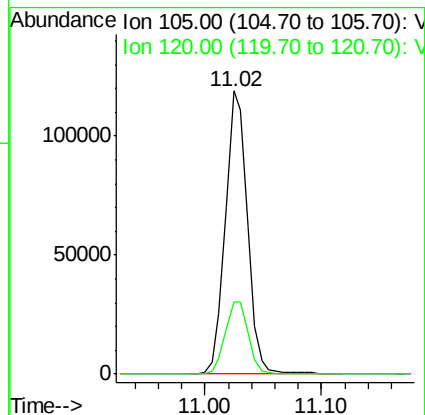
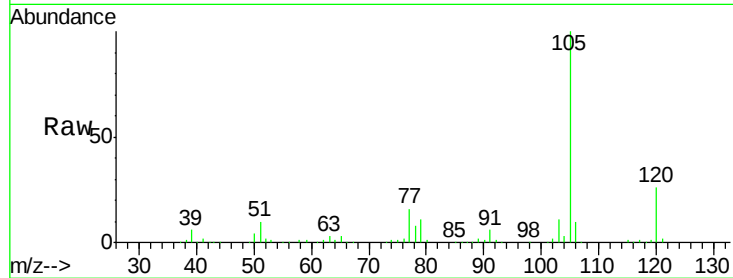
120 27.0 13.5 40.4

Manual Integrations

APPROVED

apatel

3/13/2018 10:58:31 AM



#74

N-ethyl acetate

Concen: 18.62 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.00 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Tgt Ion: 43 Resp: 77659

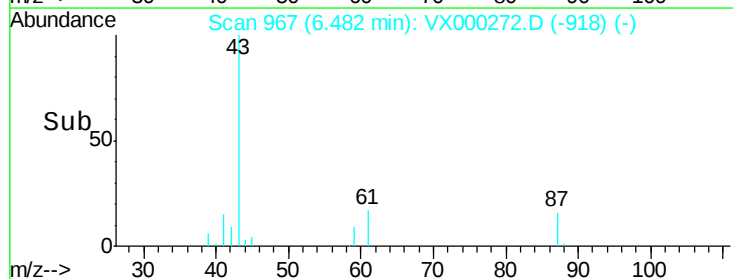
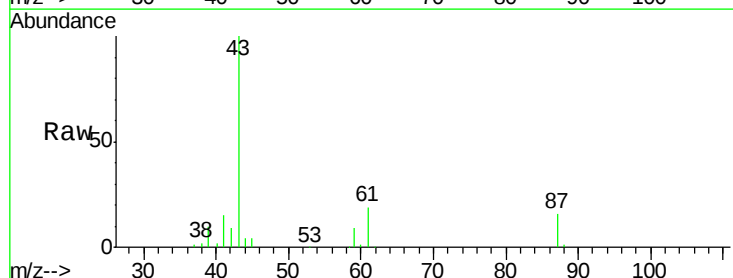
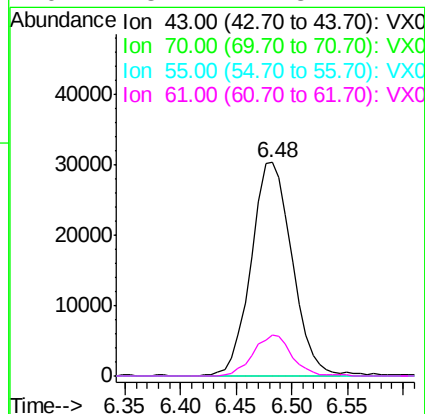
Ion Ratio Lower Upper

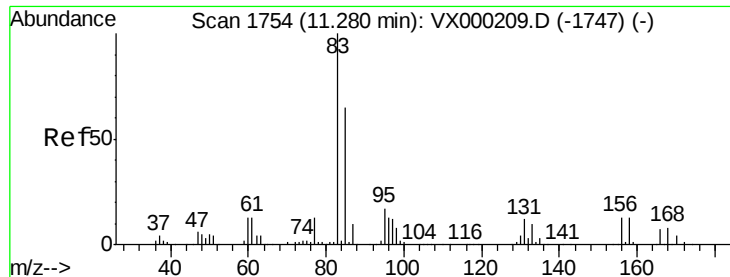
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 18.2 14.8 22.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.12 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.01 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Instrument :

MSVOA_X

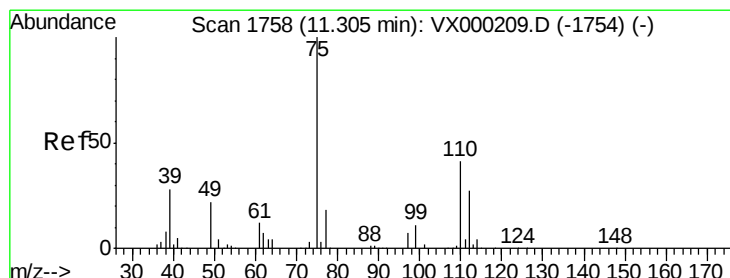
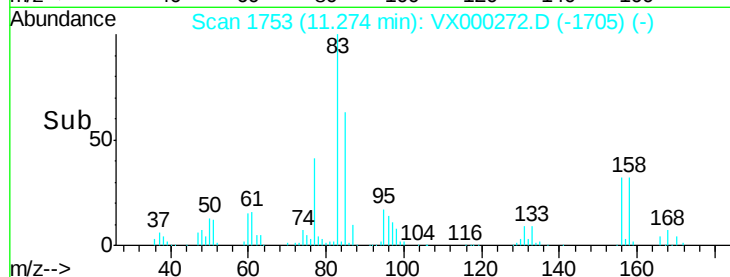
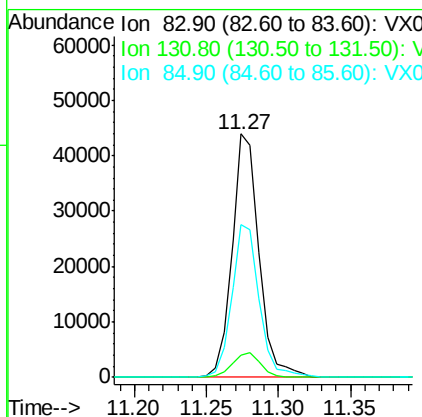
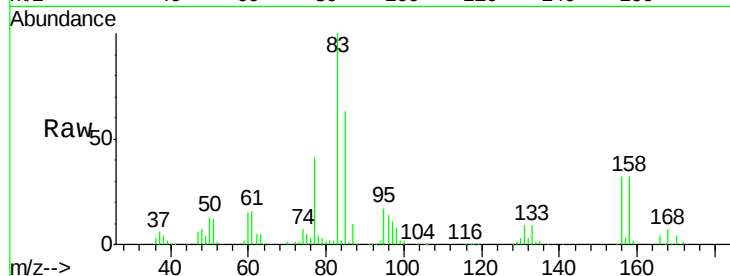
ClientSampleId :

VX0312MBS01

Tot Ion:	83	Resp:	57497
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.5	16.5
85	64.2	32.5	97.4

Manual Integrations
APPROVED

apatel
3/13/2018 10:58:31 AM



#76

1,2,3-Trichloropropane

Concen: 19.71 ug/l m

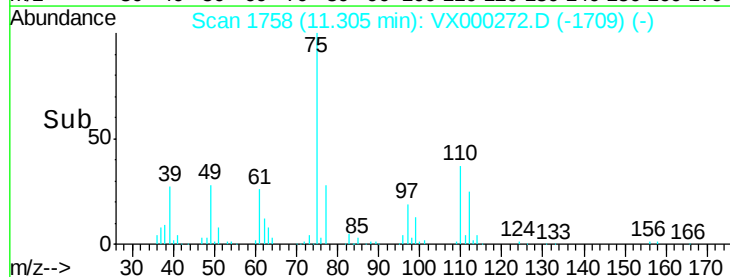
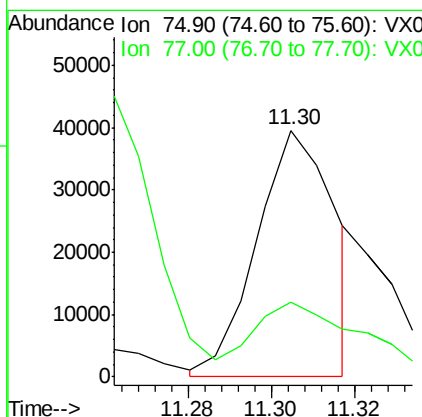
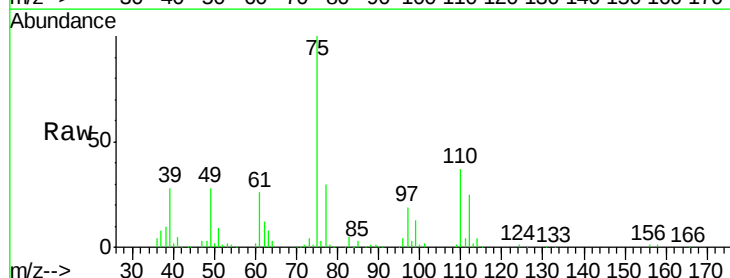
RT: 11.30 min Scan# 1758

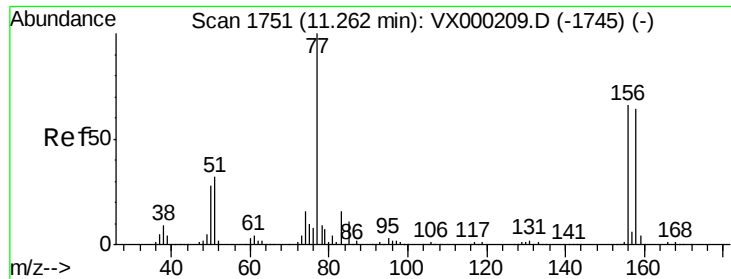
Delta R.T. 0.00 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Tgt Ion:	75	Resp:	51429
Ion Ratio	Lower	Upper	
75	100		
77	42.1	22.3	66.8





#77

Bromobenzene

Concen: 18.89 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0312MBS01

Tot Ion:156 Resp: 39820

Ion Ratio Lower Upper

156 100

77 152.1 71.9 215.7

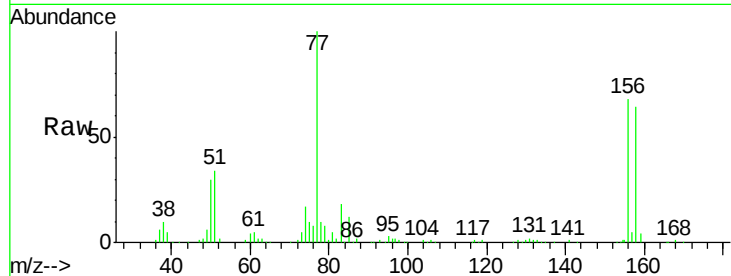
158 98.6 48.0 144.2

Manual Integrations

APPROVED

apatel

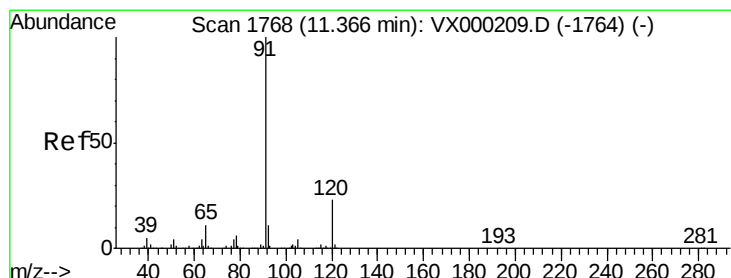
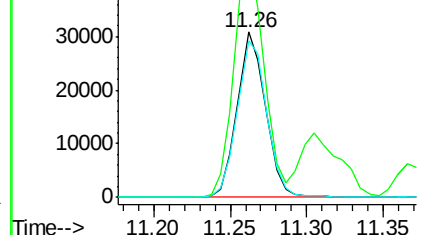
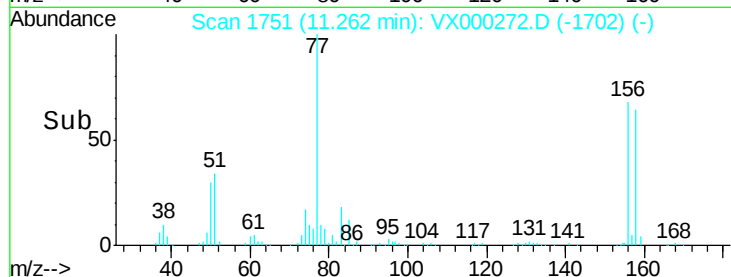
3/13/2018 10:58:31 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.58 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX000272.D

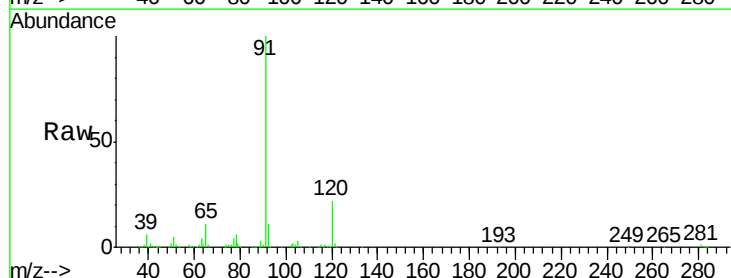
Acq: 12 Mar 2018 12:07

Tgt Ion: 91 Resp: 187834

Ion Ratio Lower Upper

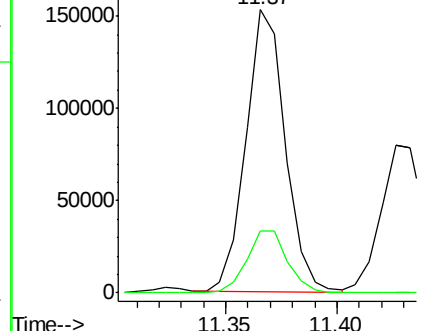
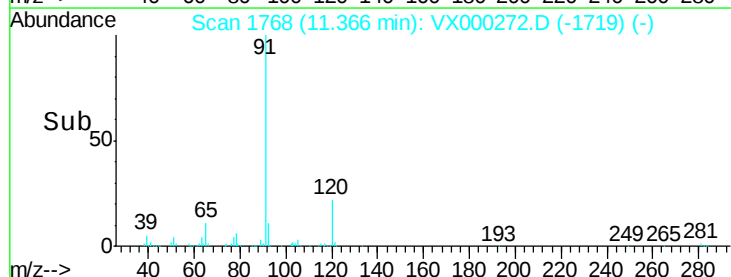
91 100

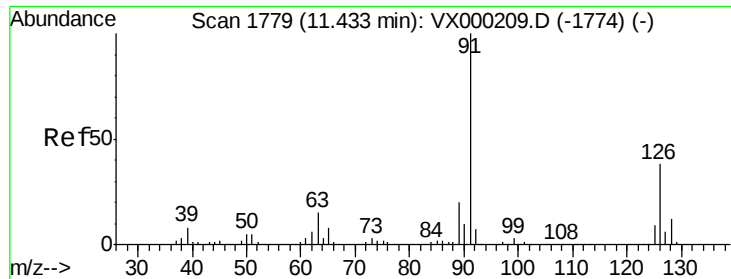
120 23.1 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.68 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0312MBS01

Tot Ion: 91 Resp: 106530

Ion Ratio Lower Upper

91 100

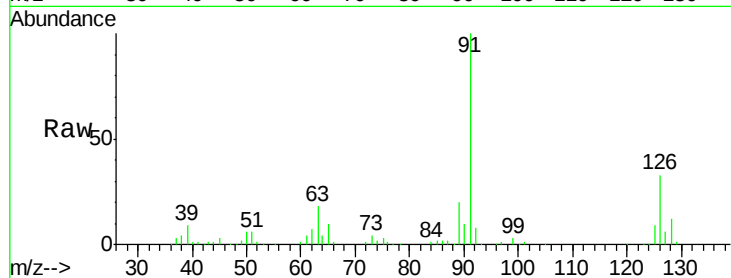
126 35.8 18.4 55.2

Manual Integrations

APPROVED

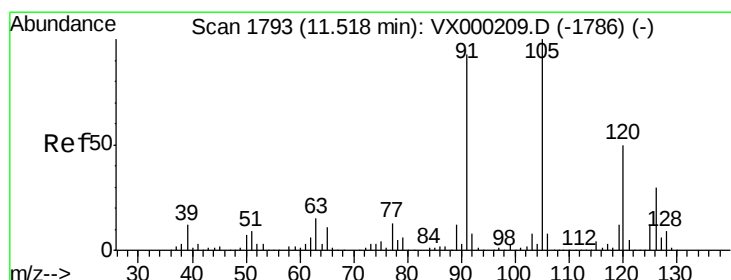
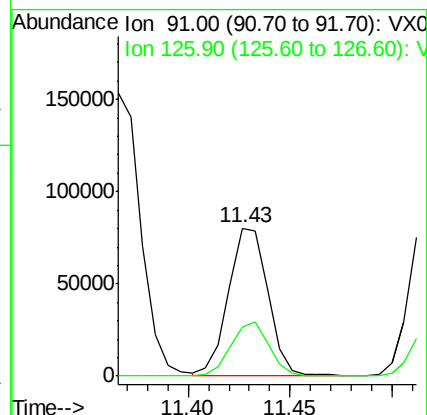
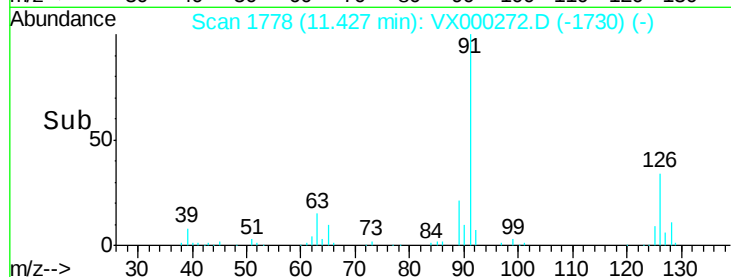
apatel

3/13/2018 10:58:31 AM



Abundance Ion 91.00 (90.70 to 91.70): VX000209.D (-1774) (-)

Ion 125.90 (125.60 to 126.60): VX000209.D (-1774) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.94 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.01 min

Lab File: VX000272.D

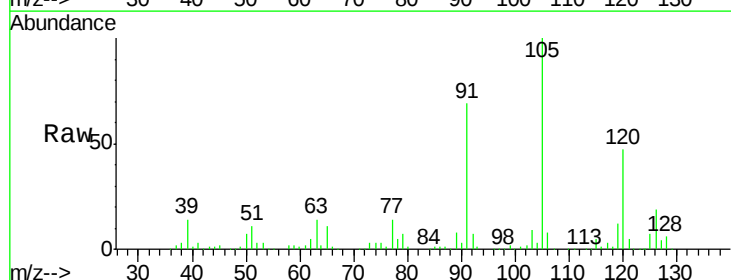
Acq: 12 Mar 2018 12:07

Tgt Ion: 105 Resp: 135679

Ion Ratio Lower Upper

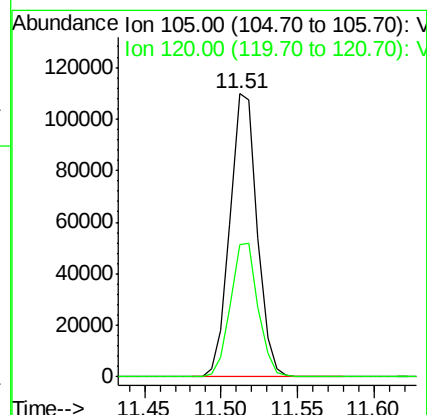
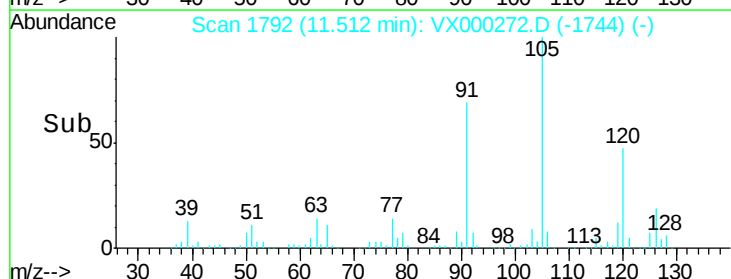
105 100

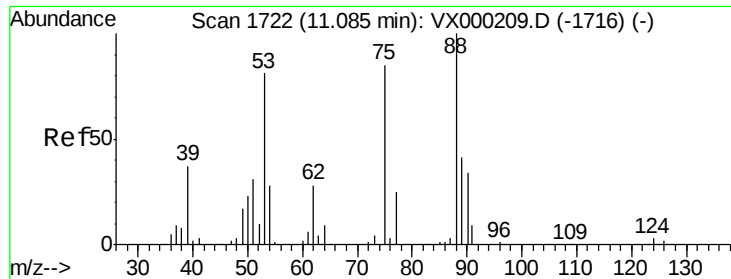
120 48.2 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VX000209.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX000209.D (-1786) (-)





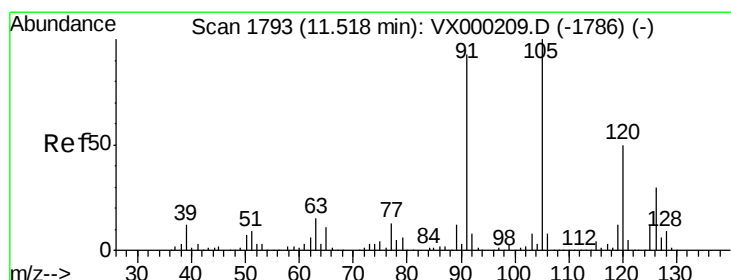
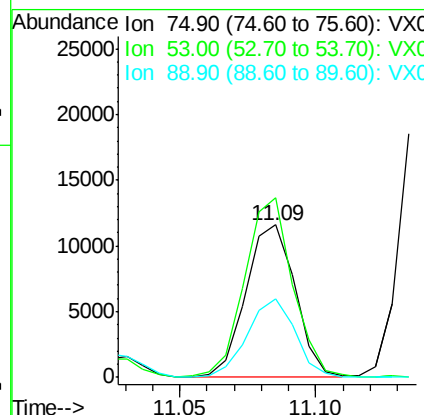
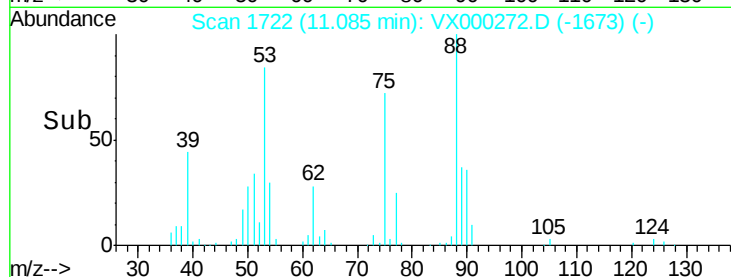
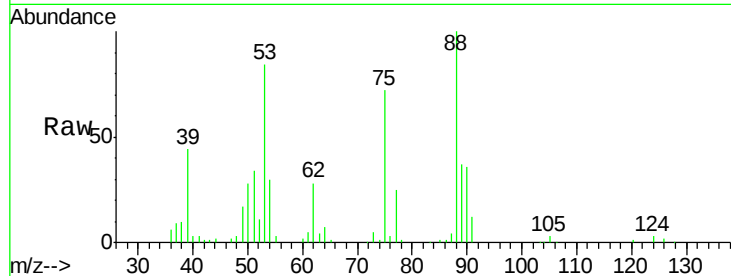
#81
trans-1,4-Dichloro-2-butene
Concen: 17.18 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0312MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.7	78.6	118.0
89	50.0	38.8	58.2

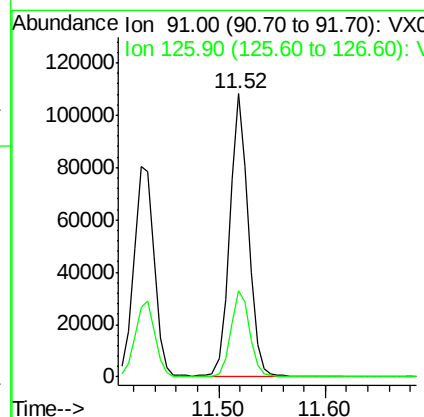
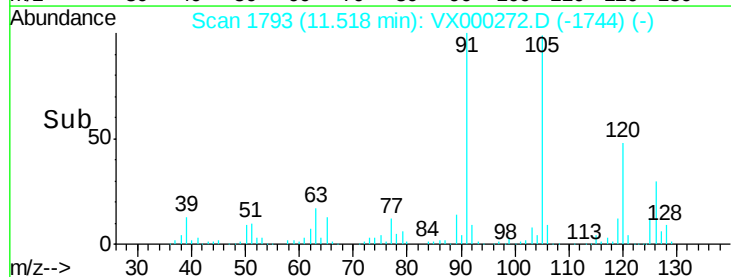
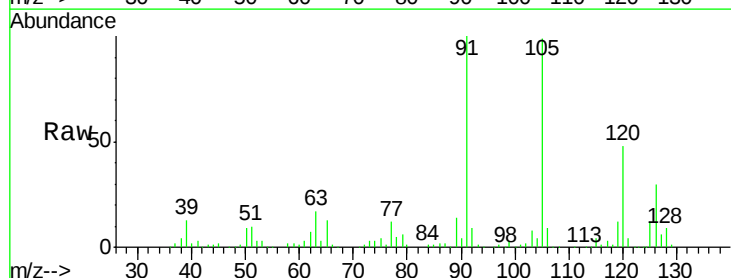
Manual Integrations
APPROVED

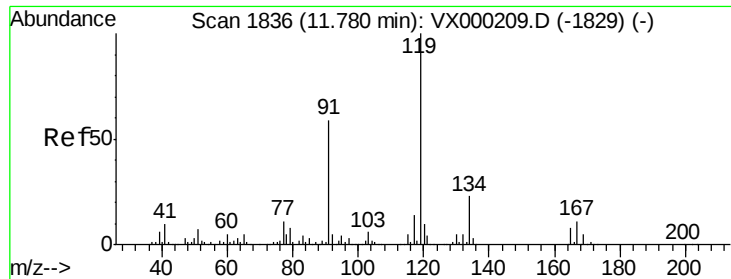
apatel
3/13/2018 10:58:31 AM



#82
4-Chlorotoluene
Concen: 20.09 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	16.0	48.0





#83

tert-Butylbenzene

Concen: 19.62 ug/l

RT: 11.78 min Scan# 1836

Delta R.T. 0.00 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Instrument :

MSVOA_X

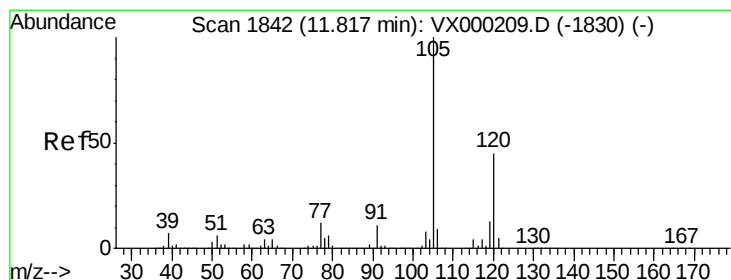
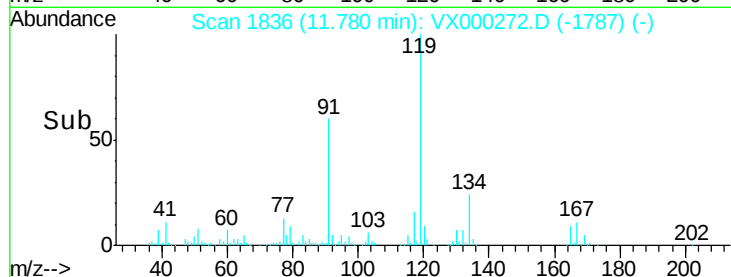
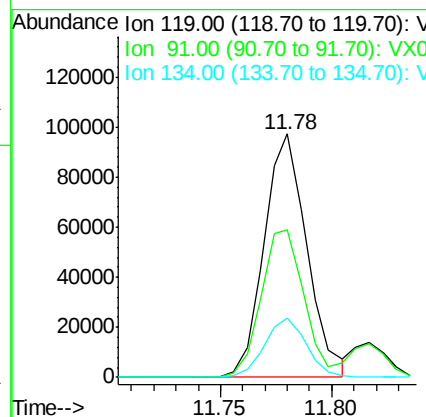
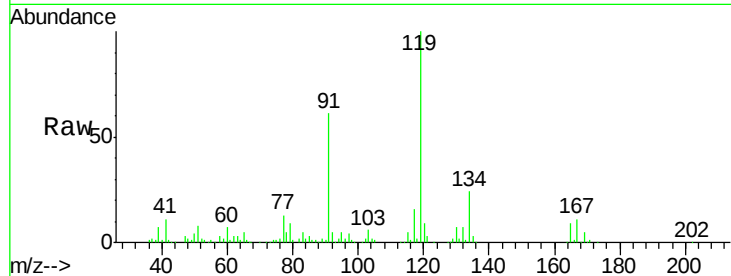
ClientSampleId :

VX0312MBS01

Tot Ion:	119	Resp:	129940
Ion Ratio	Lower	Upper	
119	100		
91	60.4	28.9	86.7
134	23.7	11.5	34.4

Manual Integrations
APPROVED

apatel
3/13/2018 10:58:31 AM



#84

1,2,4-Trimethylbenzene

Concen: 20.06 ug/l

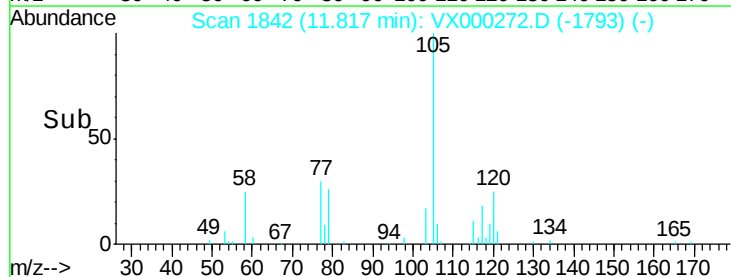
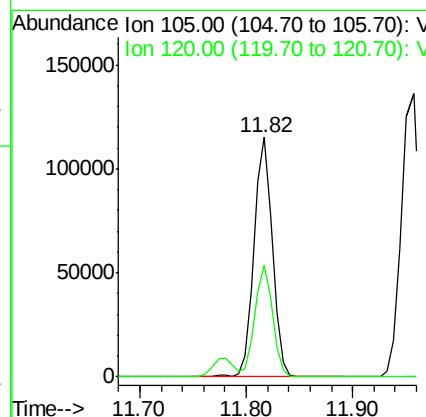
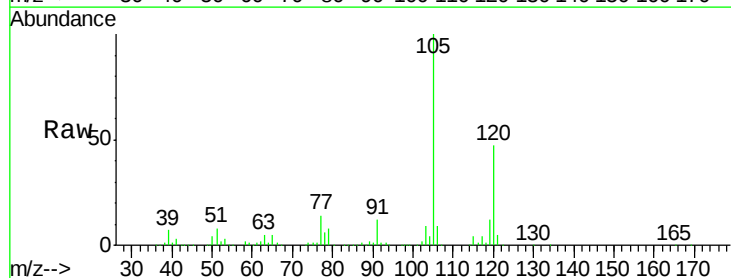
RT: 11.82 min Scan# 1842

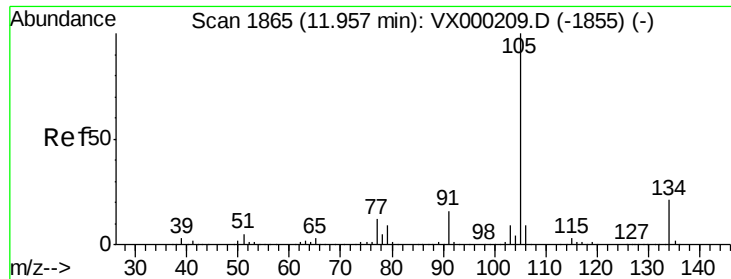
Delta R.T. 0.00 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Tgt Ion:	105	Resp:	140414
Ion Ratio	Lower	Upper	
105	100		
120	45.3	23.0	69.0





#85

sec-Butylbenzene

Concen: 20.19 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

Instrument :

MSVOA_X

ClientSampled :

VX0312MBS01

Tot Ion:105 Resp: 169096

Ion Ratio Lower Upper

105 100

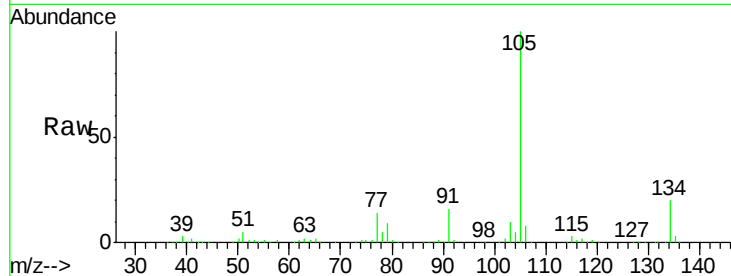
134 19.7 10.3 30.9

Manual Integrations

APPROVED

apatel

3/13/2018 10:58:31 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.96

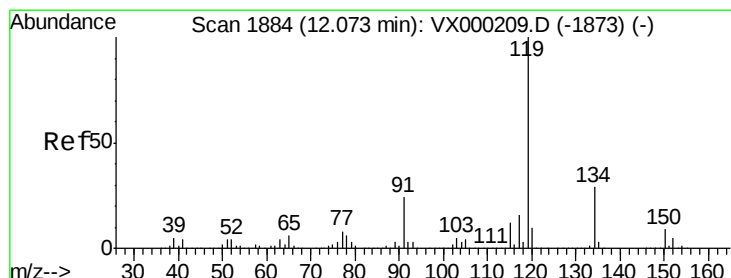
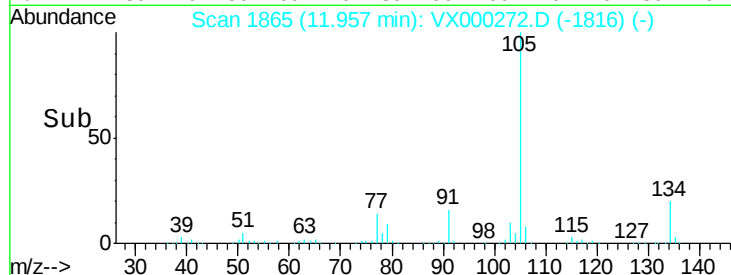
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.26 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX000272.D

Acq: 12 Mar 2018 12:07

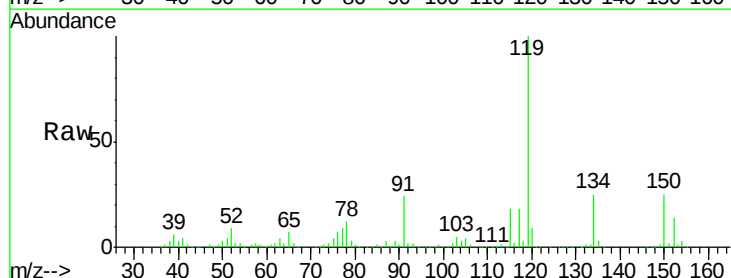
Tgt Ion:119 Resp: 149659

Ion Ratio Lower Upper

119 100

134 25.9 13.8 41.3

91 24.8 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.07

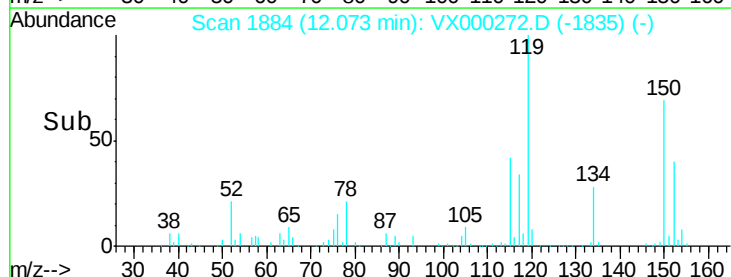
150000

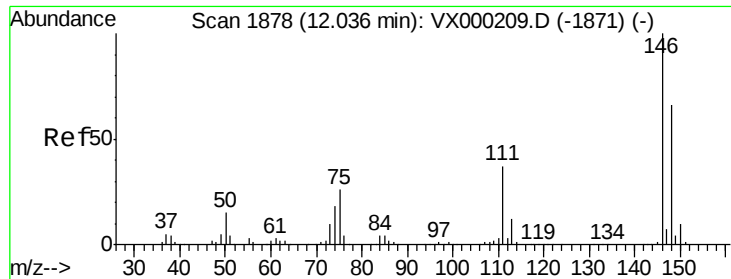
100000

50000

0

Time-->





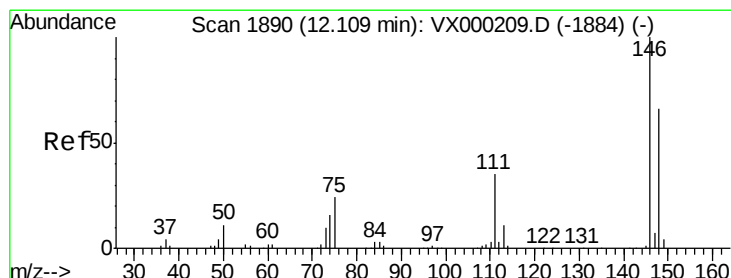
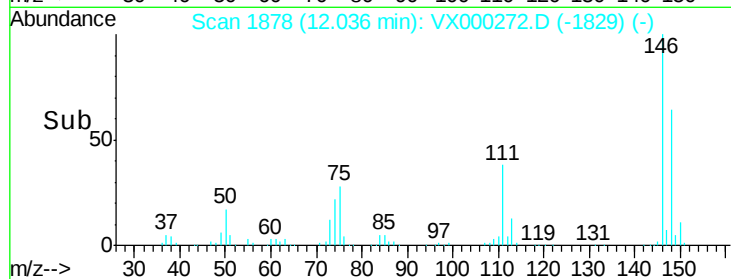
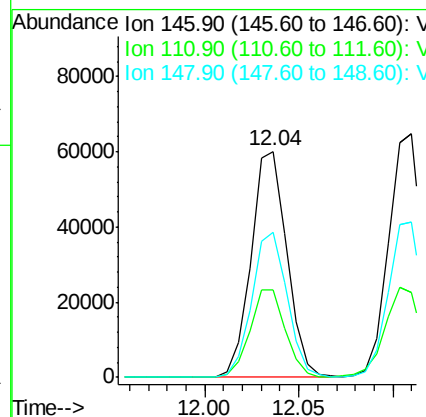
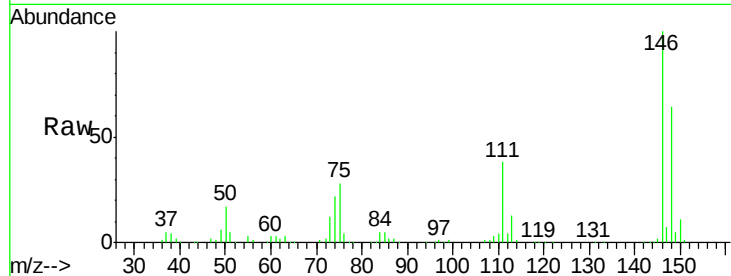
#87
 1,3-Dichlorobenzene
 Concen: 19.75 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VX000272.D
 Acq: 12 Mar 2018 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.0	57.0
148	63.5	32.1	96.3

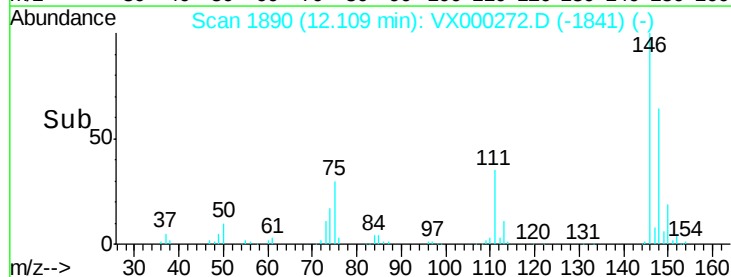
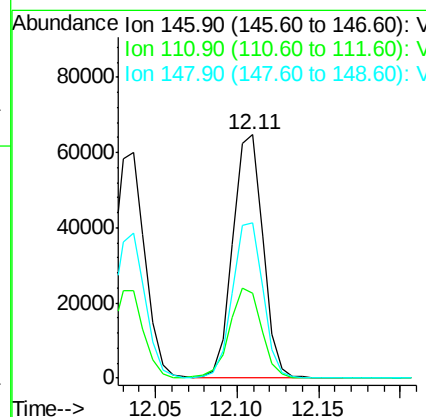
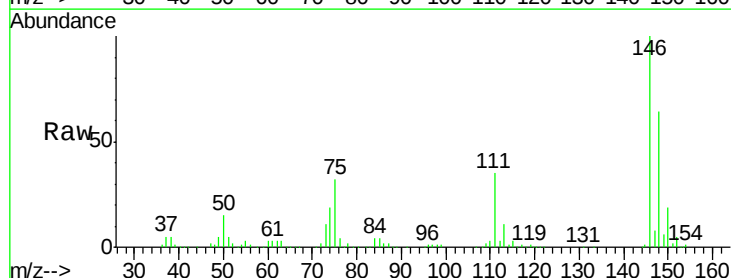
Manual Integrations
 APPROVED

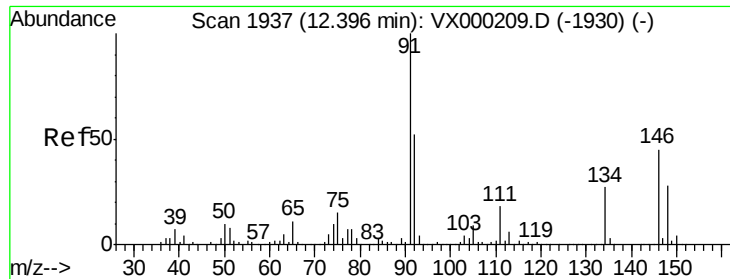
apatel
 3/13/2018 10:58:31 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.93 ug/l
 RT: 12.11 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VX000272.D
 Acq: 12 Mar 2018 12:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.9	56.9
148	64.7	32.6	97.8





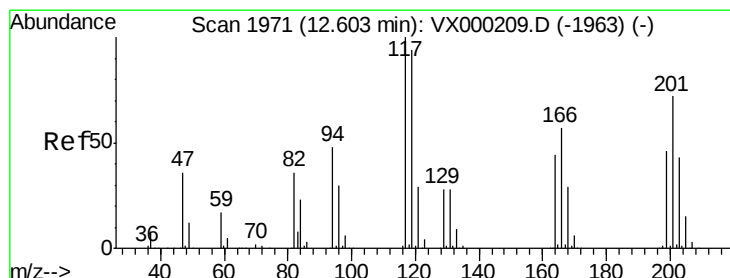
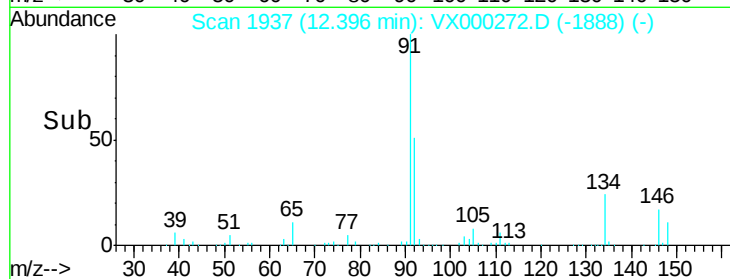
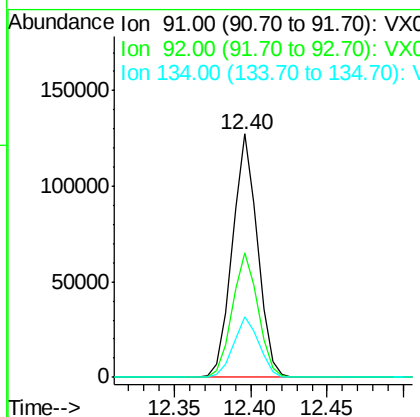
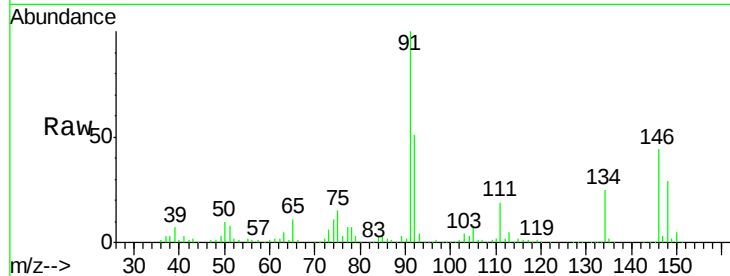
#89
n-Butylbenzene
Concen: 20.30 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0312MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.8	77.4
134	25.1	13.5	40.5

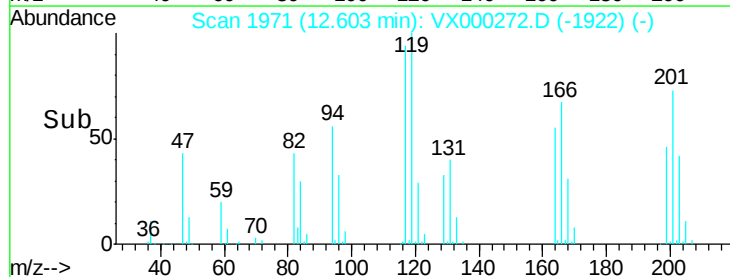
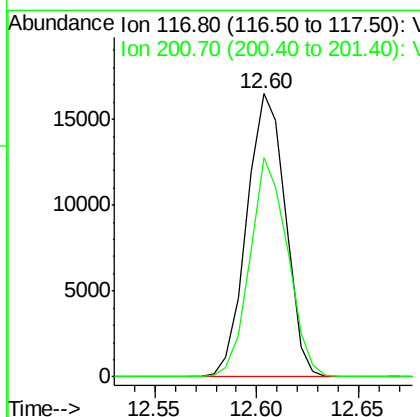
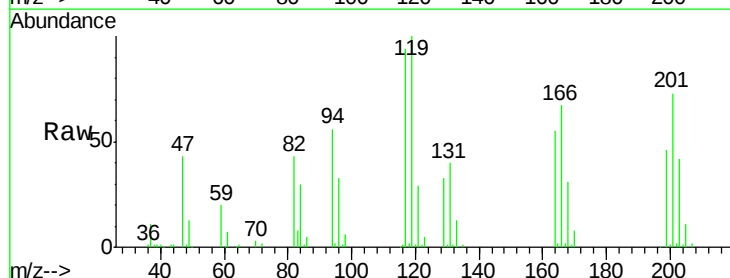
Manual Integrations
APPROVED

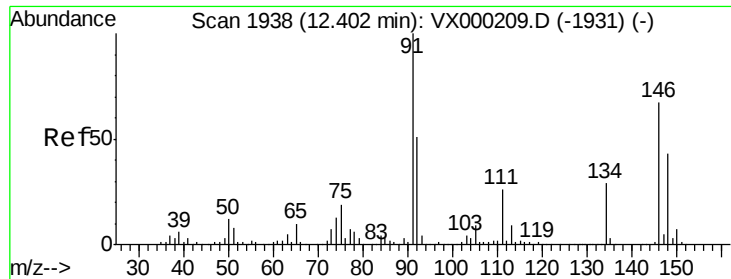
apatel
3/13/2018 10:58:31 AM



#90
Hexachloroethane
Concen: 18.23 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.8	38.2	114.6





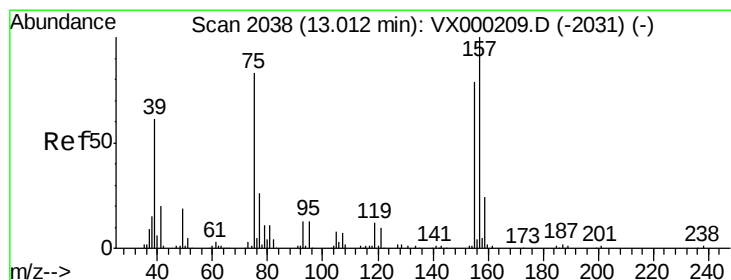
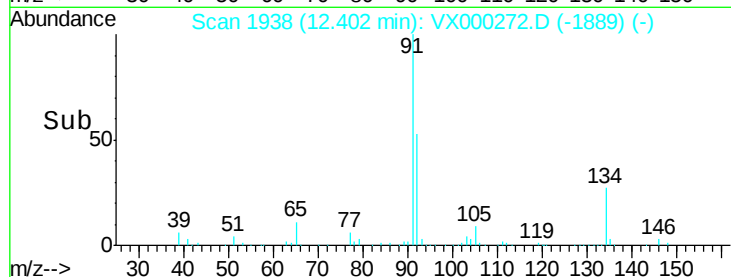
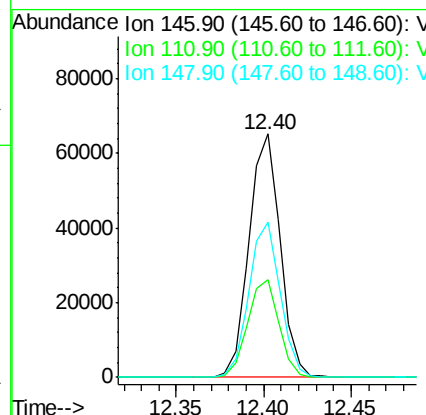
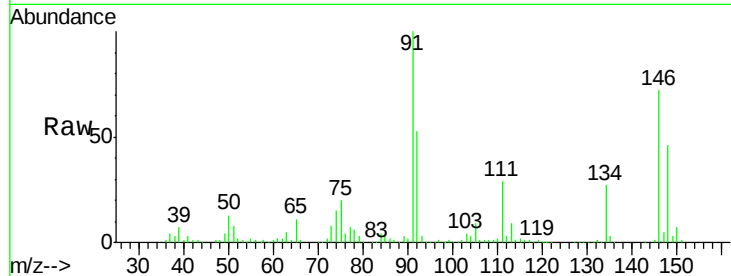
#91
 1,2-Dichlorobenzene
 Concen: 20.33 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VX000272.D
 Acq: 12 Mar 2018 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.7	59.0
148	63.9	32.0	96.0

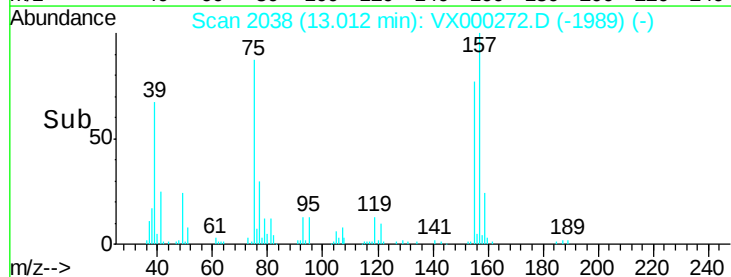
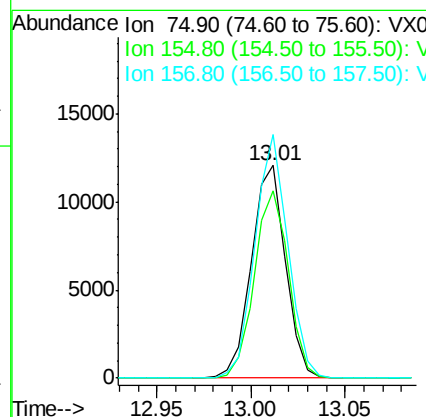
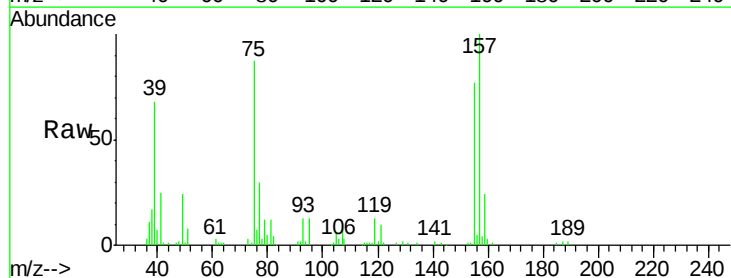
Manual Integrations
 APPROVED

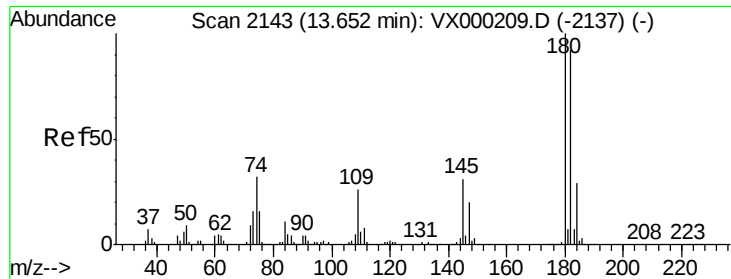
apatel
 3/13/2018 10:58:31 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.86 ug/l
 RT: 13.01 min Scan# 2038
 Delta R.T. 0.00 min
 Lab File: VX000272.D
 Acq: 12 Mar 2018 12:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.8	45.5	136.5
157	110.2	58.6	175.8





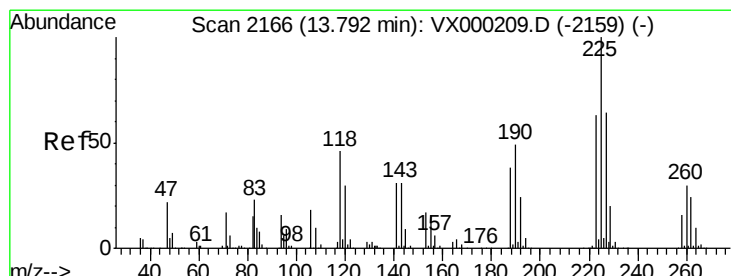
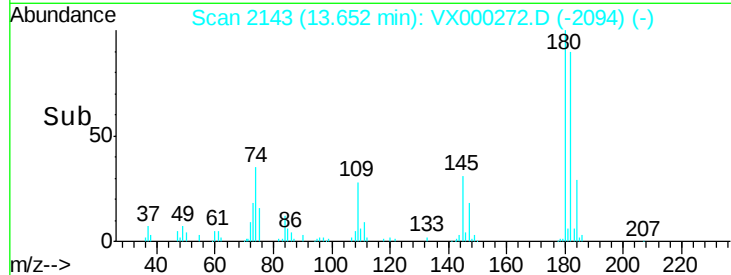
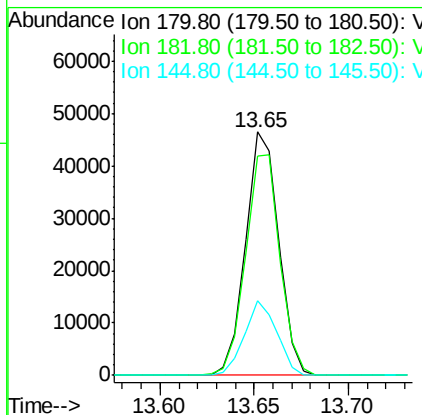
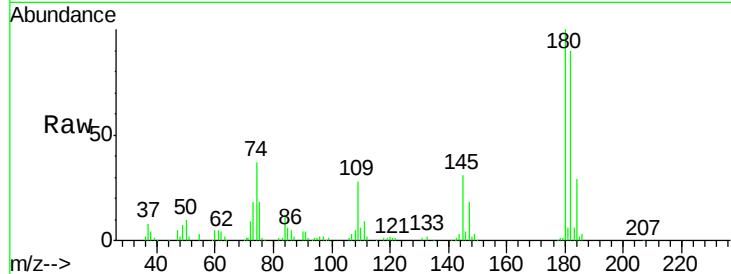
#93
 1,2,4-Trichlorobenzene
 Concen: 19.62 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX000272.D
 Acq: 12 Mar 2018 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	56630		
182	93.9	47.0	141.0	
145	30.0	15.3	45.9	

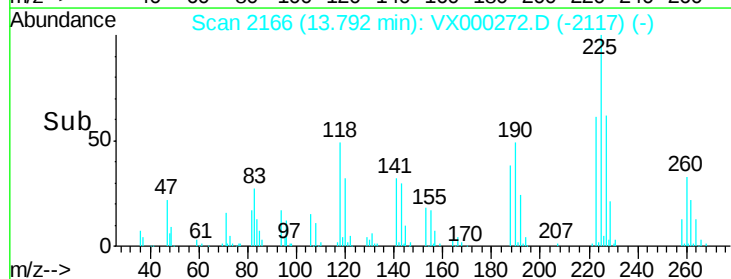
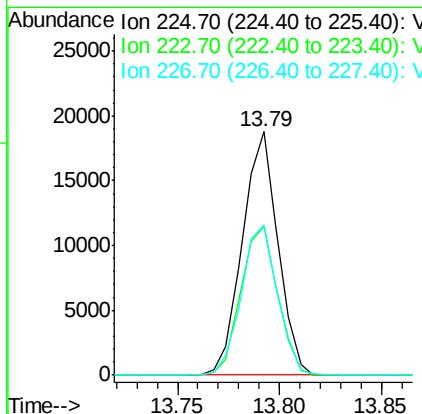
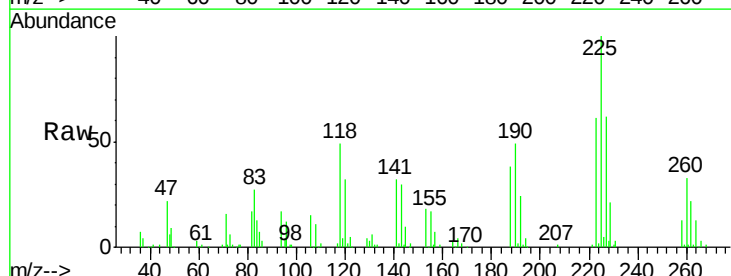
Manual Integrations
 APPROVED

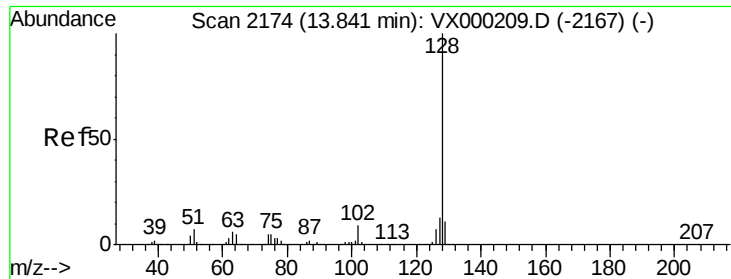
apatel
 3/13/2018 10:58:31 AM



#94
 Hexachlorobutadiene
 Concen: 18.93 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VX000272.D
 Acq: 12 Mar 2018 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	22739		
223	62.6	31.8	95.3	
227	62.9	31.9	95.5	





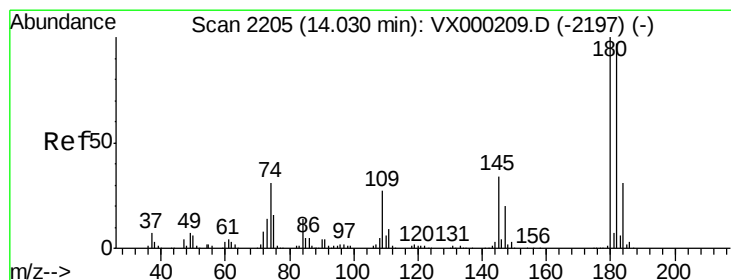
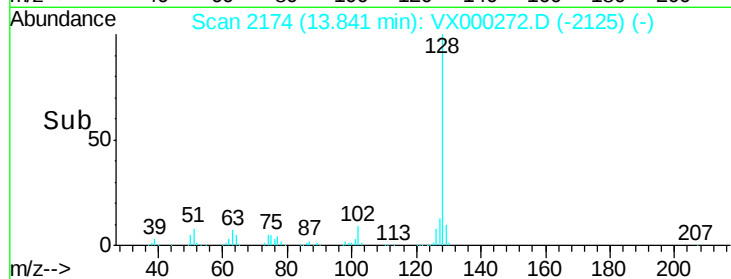
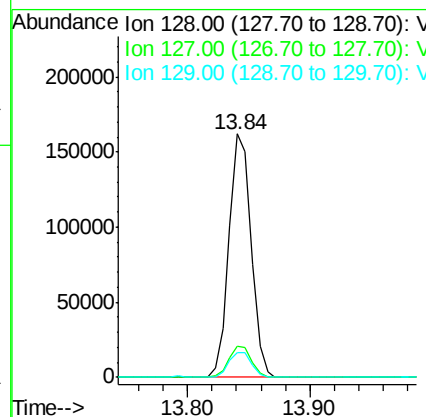
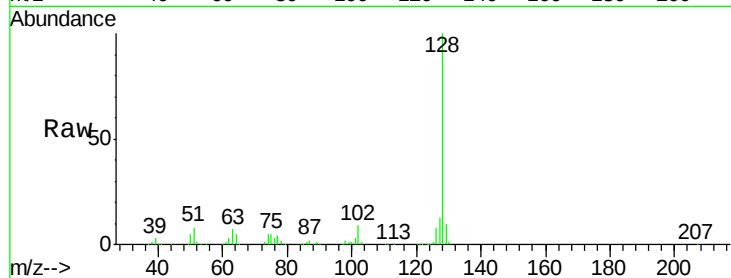
#95
Naphthalene
Concen: 20.10 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0312MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.8	8.6	13.0

Manual Integrations
APPROVED

apatel
3/13/2018 10:58:31 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.75 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VX000272.D
Acq: 12 Mar 2018 12:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.0	144.0
145	31.2	16.3	48.8

