

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071218\
 Data File : VW003895.D
 Acq On : 12 Jul 2018 14:04
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 7/13/2018 9:31:16 AM

Quant Time: Jul 12 14:50:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	235189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	364435	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	333574	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	174063	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	129964	42.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.52%	
35) Dibromofluoromethane	7.88	113	118374	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	
50) Toluene-d8	10.33	98	465895	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
62) 4-Bromofluorobenzene	12.62	95	163952	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	48301	42.228	ug/l	99
3) Chloromethane	2.21	50	91471	42.124	ug/l	98
4) Vinyl Chloride	2.36	62	129108	45.078	ug/l	100
5) Bromomethane	2.78	94	81068	40.098	ug/l	99
6) Chloroethane	2.92	64	78828	45.893	ug/l	97
7) Trichlorofluoromethane	3.25	101	65495	56.607	ug/l	100
8) Diethyl Ether	3.68	74	56471	47.624	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	119566	53.138	ug/l	100
10) Methyl Iodide	4.26	142	174563	52.120	ug/l	100
11) Tert butyl alcohol	5.23	59	36097	216.569	ug/l #	91
12) 1,1-Dichloroethene	4.03	96	117167	53.032	ug/l	96
13) Acrolein	3.90	56	57419	263.158	ug/l	99
14) Allyl chloride	4.66	41	209485	54.537	ug/l	98
15) Acrylonitrile	5.37	53	135126	227.562	ug/l	100
16) Acetone	4.14	43	156346	292.997	ug/l	100
17) Carbon Disulfide	4.37	76	356957	49.282	ug/l	100
18) Methyl Acetate	4.68	43	67522	44.882	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	221987	48.624	ug/l	95
20) Methylene Chloride	4.90	84	133893	51.630	ug/l	96
21) trans-1,2-Dichloroethene	5.41	96	128117	48.983	ug/l	99
22) Diisopropyl ether	6.31	45	426577	50.515	ug/l	99
23) Vinyl Acetate	6.26	43	1237855	240.128	ug/l	100
24) 1,1-Dichloroethane	6.21	63	244604	47.892	ug/l	99
25) 2-Butanone	7.18	43	193754	231.825	ug/l	99
26) 2,2-Dichloropropane	7.17	77	153287	55.334	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	139522	48.238	ug/l	99
28) Bromochloromethane	7.51	49	99193	43.597	ug/l	99
29) Tetrahydrofuran	7.54	42	117385	218.483	ug/l	100
30) Chloroform	7.68	83	245307	47.083	ug/l	99
31) Cyclohexane	7.95	56	224505	50.022	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	197841	49.893	ug/l	99
36) 1,1-Dichloropropene	8.08	75	200952	51.968	ug/l	99
37) Ethyl Acetate	7.26	43	82096	43.633	ug/l	100
38) Carbon Tetrachloride	8.07	117	188548	51.284	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071218\
 Data File : VW003895.D
 Acq On : 12 Jul 2018 14:04
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 7/13/2018 9:31:16 AM

Quant Time: Jul 12 14:50:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	238449	56.304	ug/l	99
40) Benzene	8.32	78	554742	50.181	ug/l	97
41) Methacrylonitrile	7.49	41	48100	44.442	ug/l	99
42) 1,2-Dichloroethane	8.40	62	165415	46.234	ug/l	99
43) Isopropyl Acetate	8.43	43	158501	44.449	ug/l	99
44) Trichloroethene	9.09	130	142403	51.096	ug/l	100
45) 1,2-Dichloropropane	9.37	63	140909	49.022	ug/l	99
46) Dibromomethane	9.46	93	69889	46.242	ug/l	98
47) Bromodichloromethane	9.65	83	179845	48.369	ug/l	97
48) Methyl methacrylate	9.44	41	77616	45.703	ug/l	97
49) 1,4-Dioxane	9.49	88	19534	864.771	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	422660	229.049	ug/l	99
52) Toluene	10.39	92	348740	50.875	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	183297	49.374	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	214158	51.102	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	97603	46.497	ug/l	96
56) Ethyl methacrylate	10.65	69	123934	48.382	ug/l	97
57) 1,3-Dichloropropane	10.93	76	170477	46.595	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	325993	242.142	ug/l	100
59) 2-Hexanone	10.98	43	308370	243.362	ug/l	100
60) Dibromochloromethane	11.13	129	116236	47.436	ug/l	100
61) 1,2-Dibromoethane	11.24	107	93078	46.367	ug/l	98
64) Tetrachloroethene	10.87	164	119503	48.432	ug/l	98
65) Chlorobenzene	11.66	112	368579	50.123	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	130092	50.626	ug/l	98
67) Ethyl Benzene	11.74	91	674231	53.621	ug/l	98
68) m/p-Xylenes	11.85	106	514244	106.801	ug/l	99
69) o-Xylene	12.17	106	237533	53.463	ug/l	99
70) Styrene	12.19	104	399025	52.815	ug/l	100
71) Bromoform	12.35	173	68428	48.252	ug/l #	99
73) Isopropylbenzene	12.47	105	678964	57.597	ug/l	100
74) N-amyl acetate	12.28	43	154128	48.237	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	114272	47.819	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	75633m	44.249	ug/l	
77) Bromobenzene	12.75	156	152154	51.992	ug/l	97
78) n-propylbenzene	12.81	91	852292	57.596	ug/l	99
79) 2-Chlorotoluene	12.90	91	469860	55.269	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	575551	56.649	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	36930	52.853	ug/l	96
82) 4-Chlorotoluene	12.99	91	489680	53.566	ug/l	99
83) tert-Butylbenzene	13.21	119	487861	58.225	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	587916	55.702	ug/l	99
85) sec-Butylbenzene	13.39	105	727402	58.032	ug/l	100
86) p-Isopropyltoluene	13.51	119	633286	57.820	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	313619	52.894	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	304719	51.107	ug/l	99
89) n-Butylbenzene	13.83	91	620466	57.590	ug/l	99
90) Hexachloroethane	14.10	117	111226	52.719	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	271264	50.831	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19226	46.479	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071218\
Data File : VW003895.D
Acq On : 12 Jul 2018 14:04
Operator : SY/AP
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

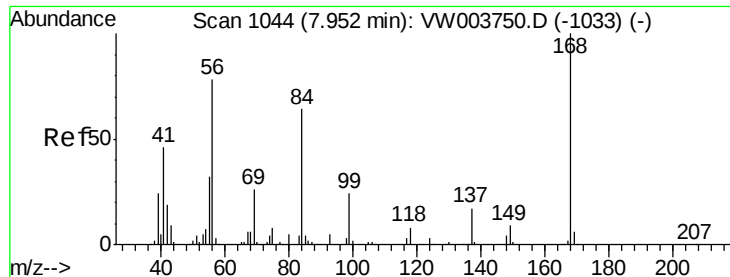
Manual Integrations
APPROVED

apatel
7/13/2018 9:31:16 AM

Quant Time: Jul 12 14:50:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 07 05:07:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	194078	53.727	ug/l	99
94) Hexachlorobutadiene	15.25	225	115574	55.936	ug/l	98
95) Naphthalene	15.38	128	336696	52.152	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	170137	52.602	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003895.D

Acq: 12 Jul 2018 14:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 235189

Ion Ratio Lower Upper

168 100

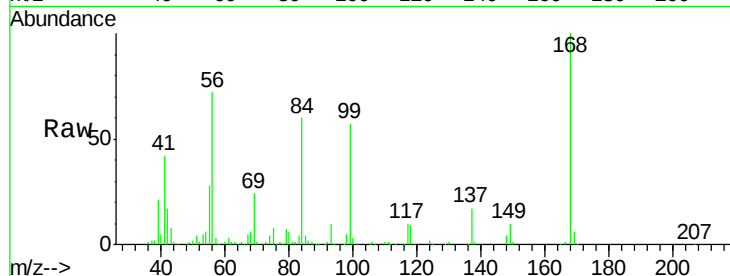
99 56.8 45.0 67.6

Manual Integrations

APPROVED

apatel

7/13/2018 9:31:16 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

40000

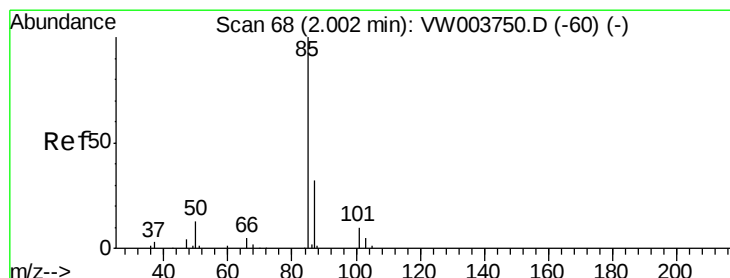
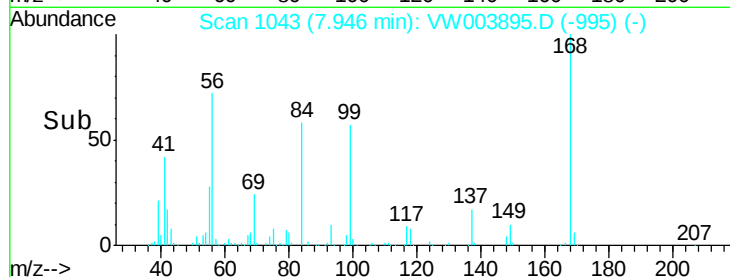
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 42.228 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW003895.D

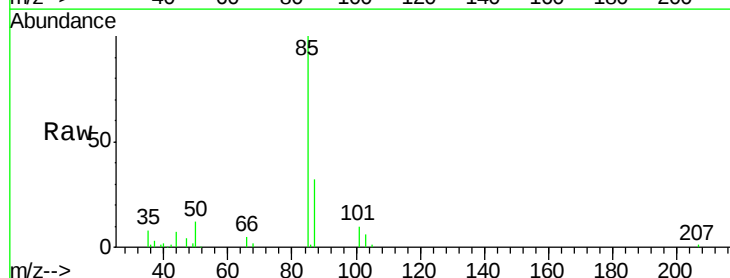
Acq: 12 Jul 2018 14:04

Tgt Ion: 85 Resp: 48301

Ion Ratio Lower Upper

85 100

87 31.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

15000

10000

5000

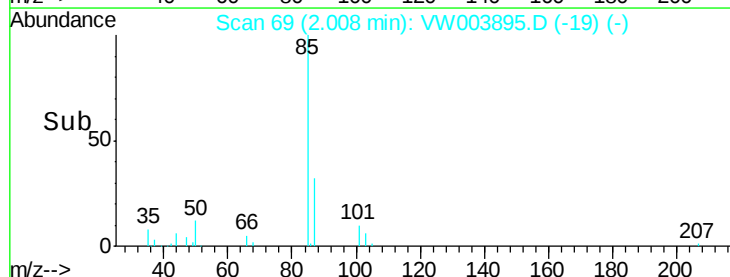
0

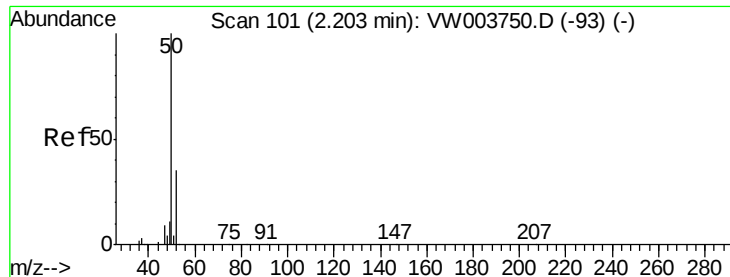
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 42.124 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.01 min

Lab File: VW003895.D

Acq: 12 Jul 2018 14:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 91471

Ion Ratio Lower Upper

50 100

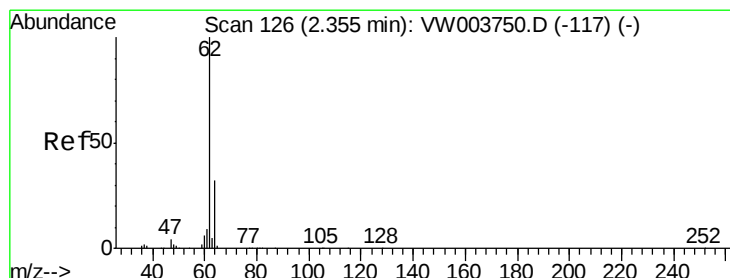
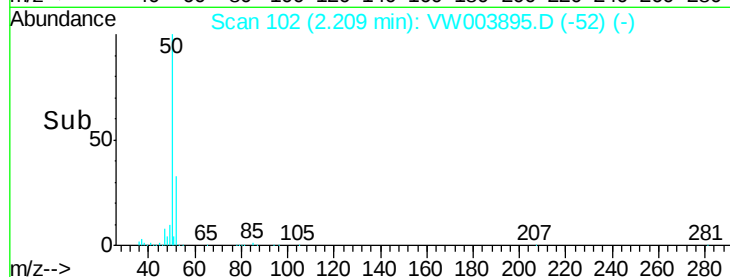
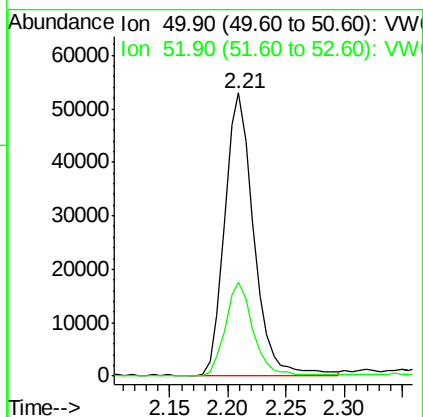
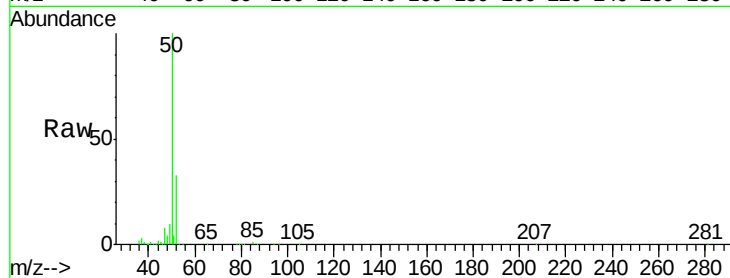
52 33.4 27.8 41.6

Manual Integrations

APPROVED

apatel

7/13/2018 9:31:16 AM



#4

Vinyl Chloride

Concen: 45.078 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW003895.D

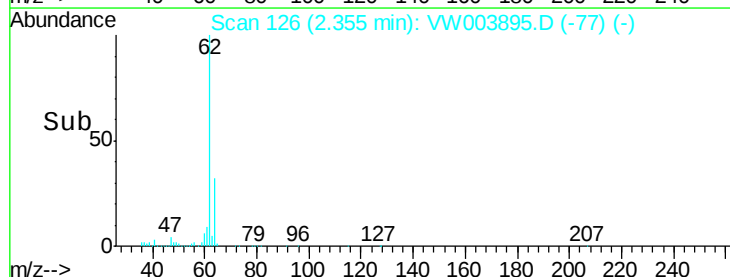
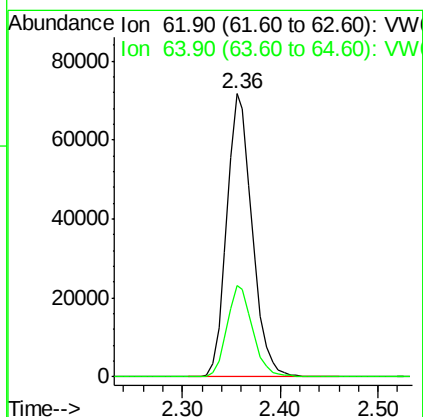
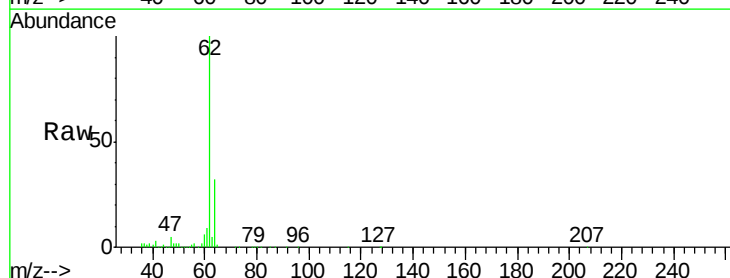
Acq: 12 Jul 2018 14:04

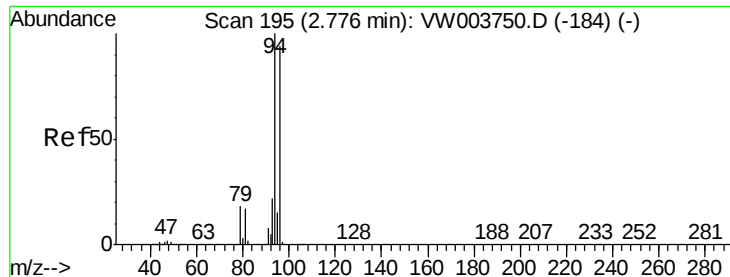
Tgt Ion: 62 Resp: 129108

Ion Ratio Lower Upper

62 100

64 32.5 25.8 38.8





#5

Bromomethane

Concen: 40.098 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW003895.D

Acq: 12 Jul 2018 14:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 81068

Ion Ratio Lower Upper

94 100

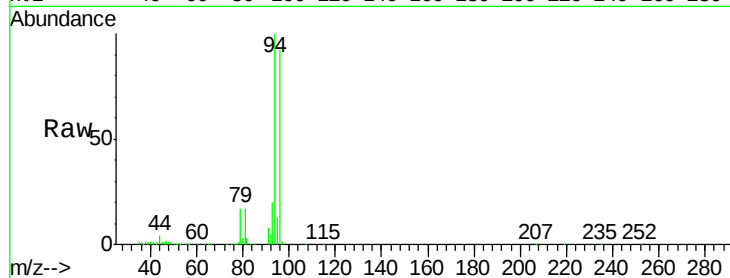
96 92.3 74.8 112.2

Manual Integrations

APPROVED

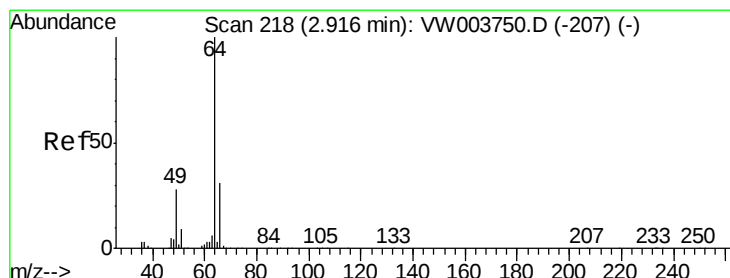
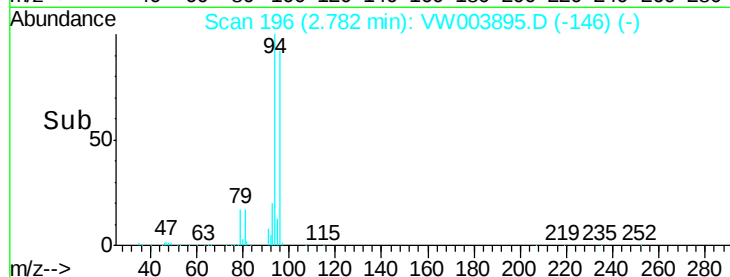
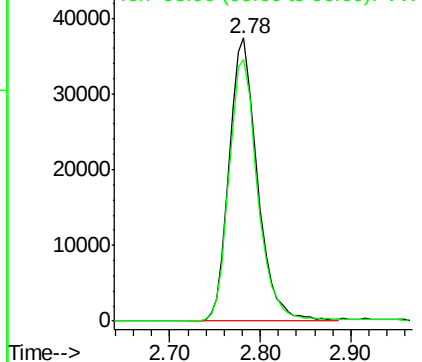
apatel

7/13/2018 9:31:16 AM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 45.893 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.01 min

Lab File: VW003895.D

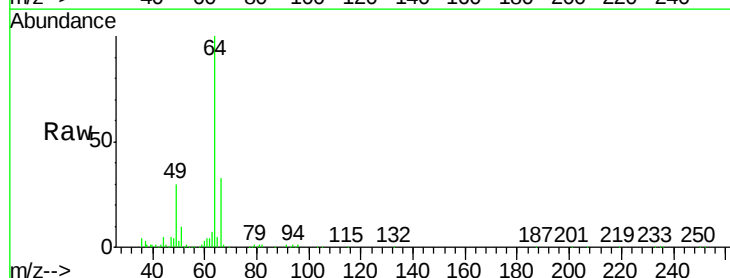
Acq: 12 Jul 2018 14:04

Tgt Ion: 64 Resp: 78828

Ion Ratio Lower Upper

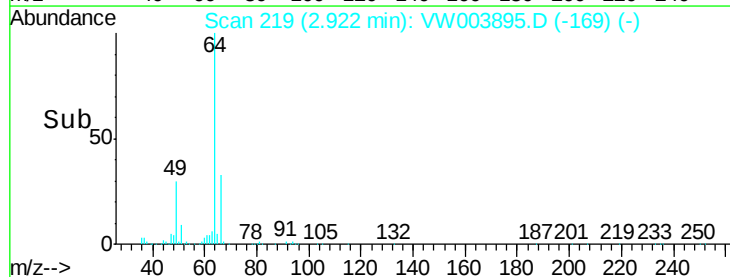
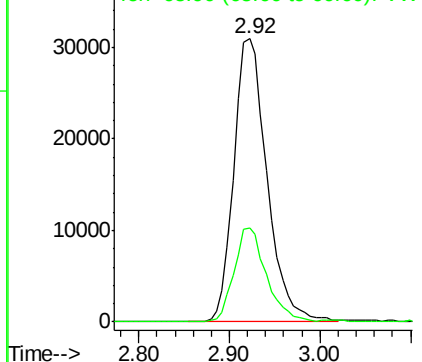
64 100

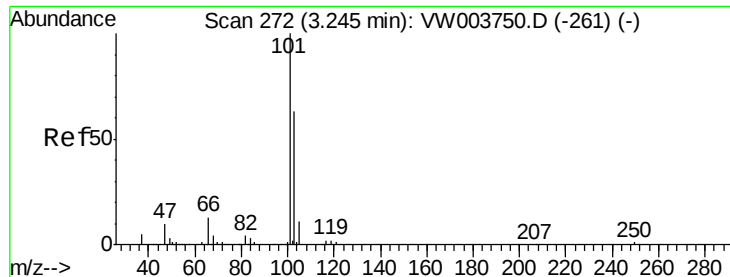
66 32.9 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

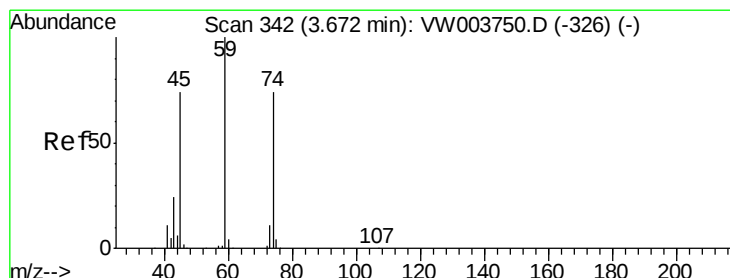
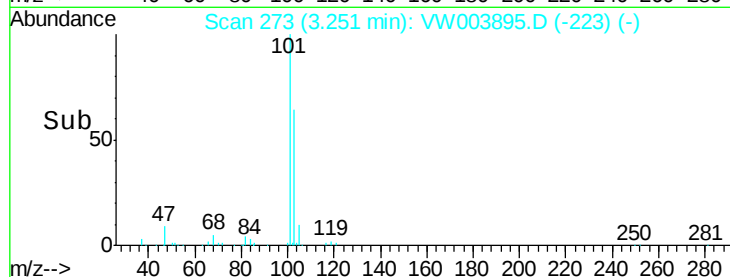
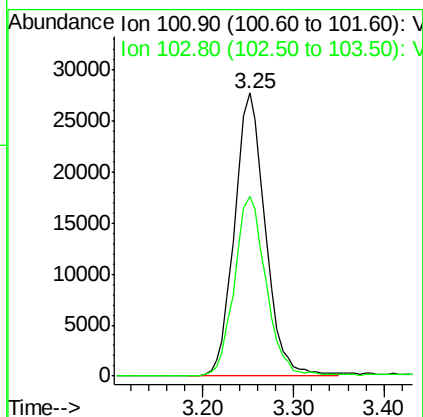
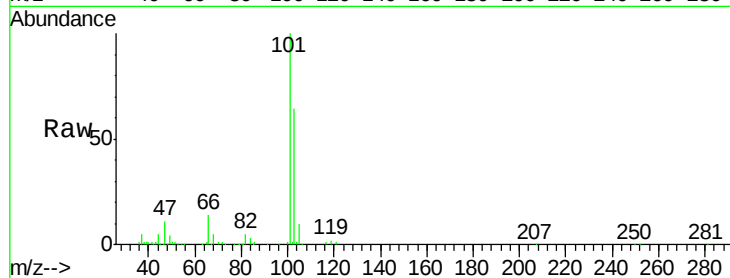
Trichlorofluoromethane
 Concen: 56.607 ug/l
 RT: 3.25 min Scan# 273
 Delta R.T. 0.01 min
 Lab File: VW003895.D
 Acq: 12 Jul 2018 14:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	50.7	76.1

Manual Integrations
 APPROVED

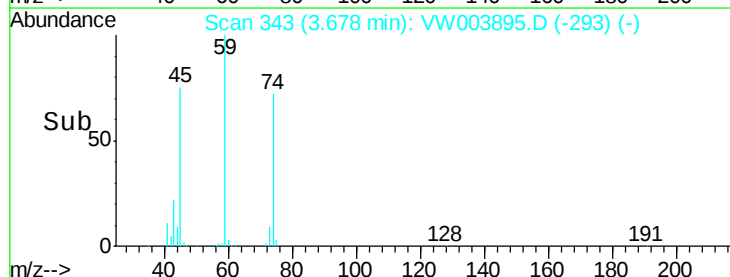
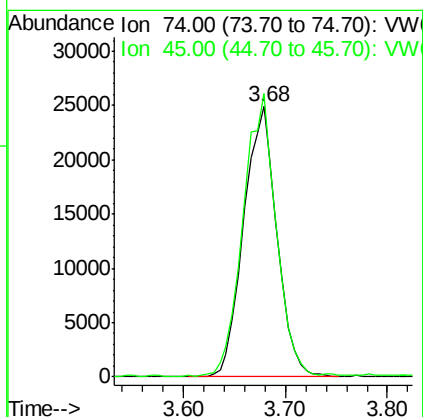
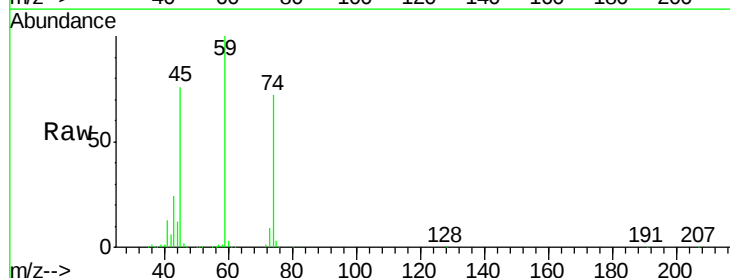
apatel
 7/13/2018 9:31:16 AM

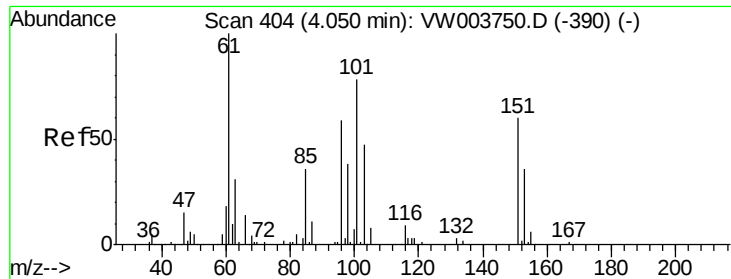


#8

Diethyl Ether
 Concen: 47.624 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VW003895.D
 Acq: 12 Jul 2018 14:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.9	52.4	157.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.138 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.01 min

Lab File: VW003895.D

Acq: 12 Jul 2018 14:04

Instrument :

MSVOA_W

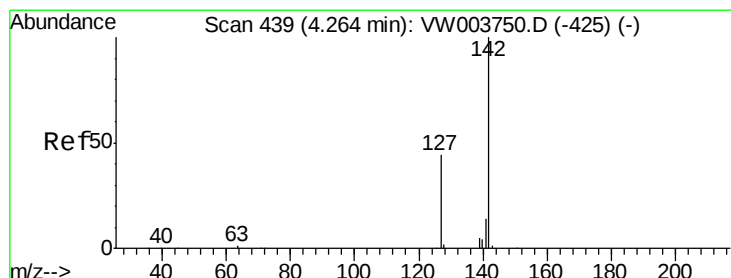
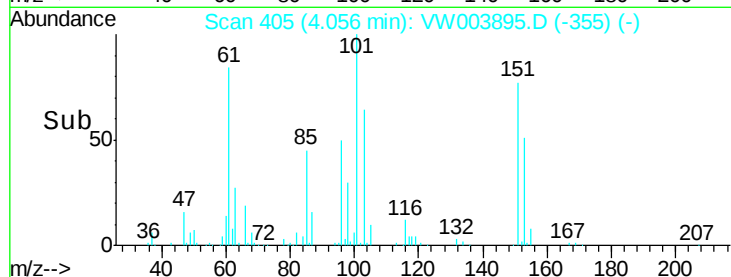
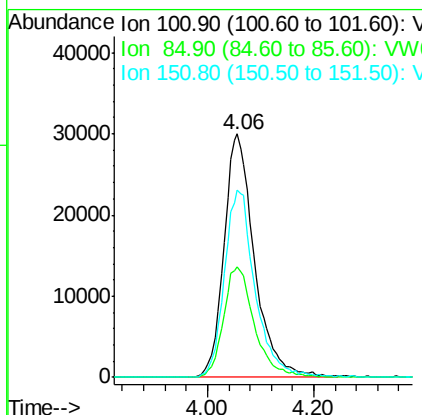
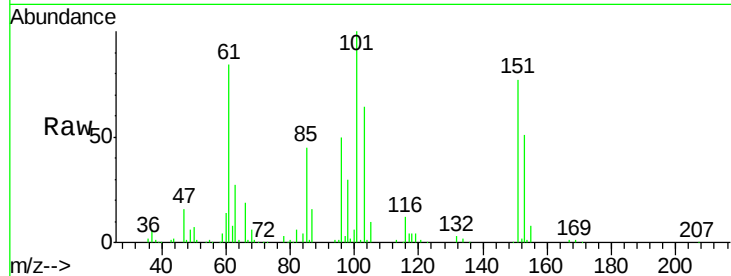
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	119566
Ion Ratio	Lower	Upper	
101	100		
85	46.1	37.1	55.7
151	77.6	62.3	93.5

Manual Integrations
APPROVED

apatel
7/13/2018 9:31:16 AM



#10

Methyl Iodide

Concen: 52.120 ug/l

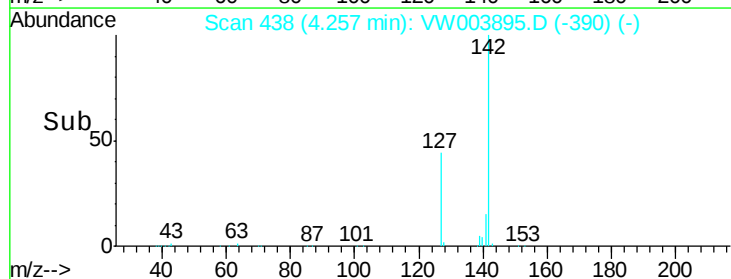
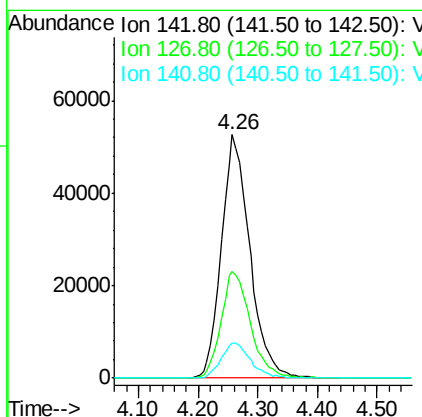
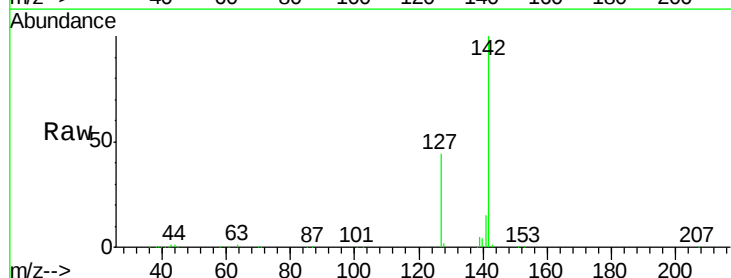
RT: 4.26 min Scan# 438

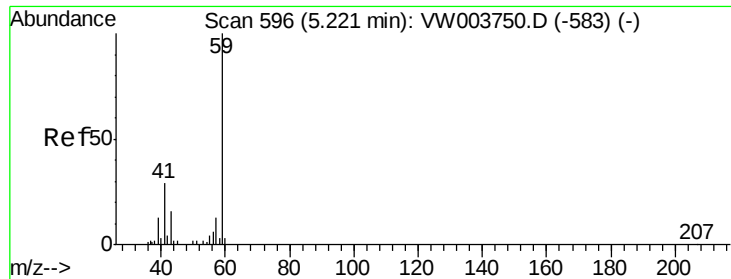
Delta R.T. -0.01 min

Lab File: VW003895.D

Acq: 12 Jul 2018 14:04

Tgt Ion:	142	Resp:	174563
Ion Ratio	Lower	Upper	
142	100		
127	45.1	36.1	54.1
141	14.9	11.6	17.4





#11

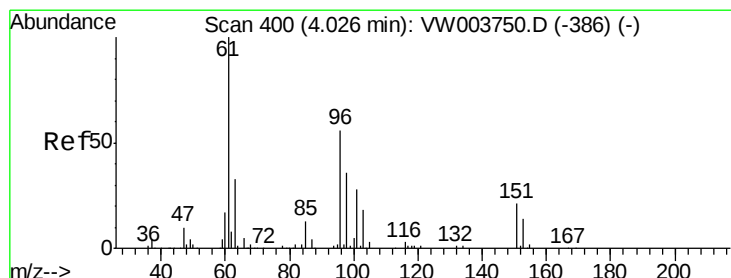
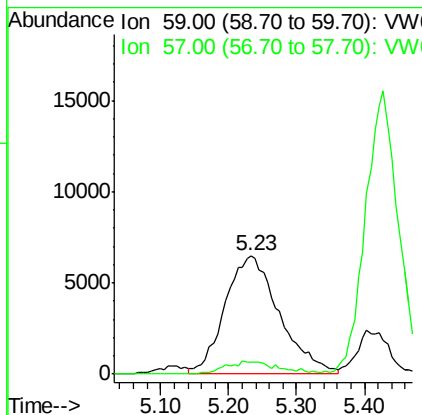
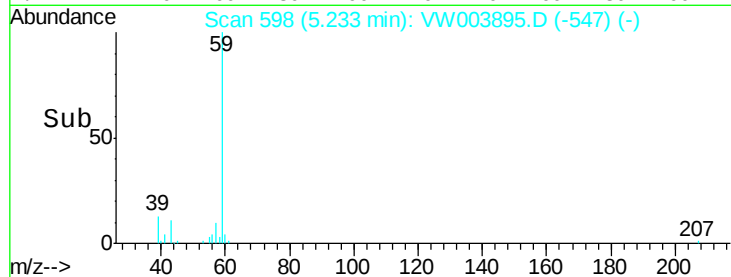
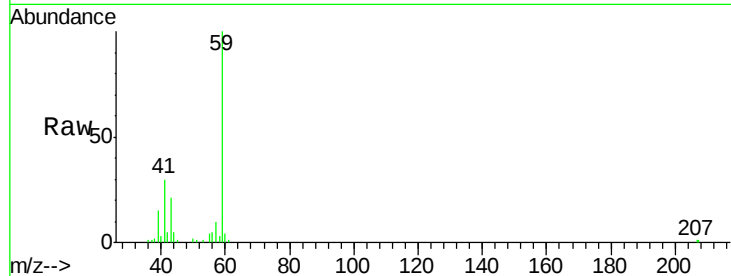
Tert butyl alcohol
Concen: 216.569 ug/l
RT: 5.23 min Scan# 598
Delta R.T. 0.01 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.0	9.3	13.9#

Manual Integrations
APPROVED

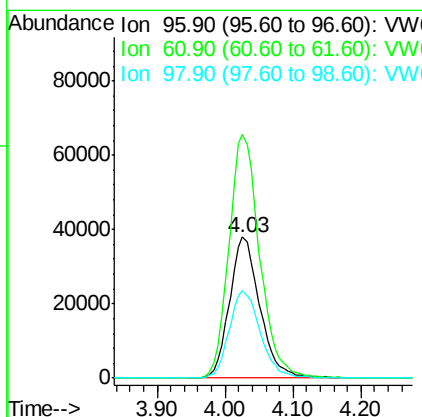
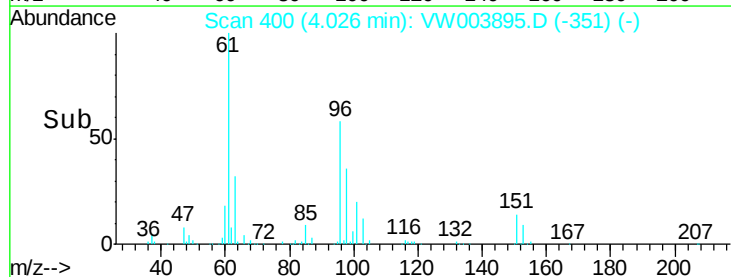
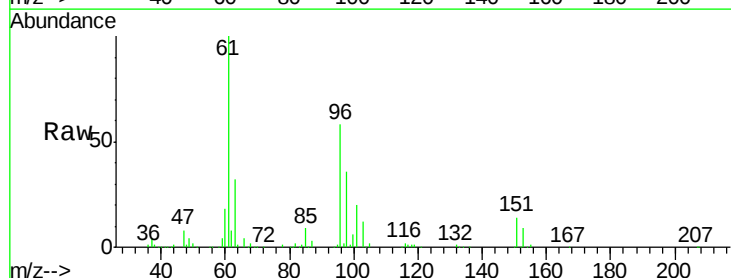
apatel
7/13/2018 9:31:16 AM

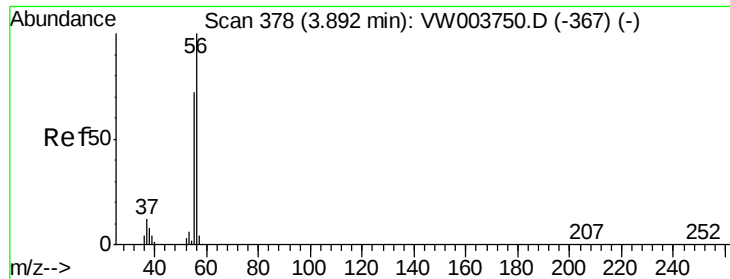


#12

1,1-Dichloroethene
Concen: 53.032 ug/l
RT: 4.03 min Scan# 400
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.9	143.2	214.8
98	62.4	51.4	77.0





#13

Acrolein

Concen: 263.158 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VW003895.D

Acq: 12 Jul 2018 14:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 57419

Ion Ratio Lower Upper

56 100

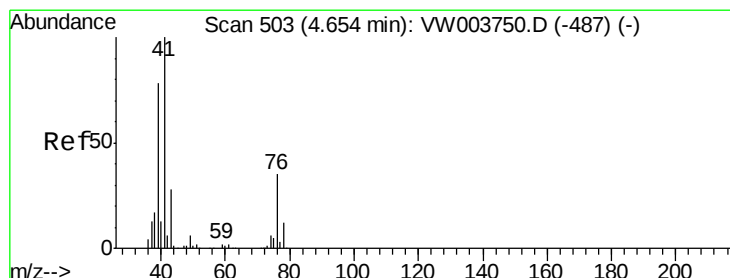
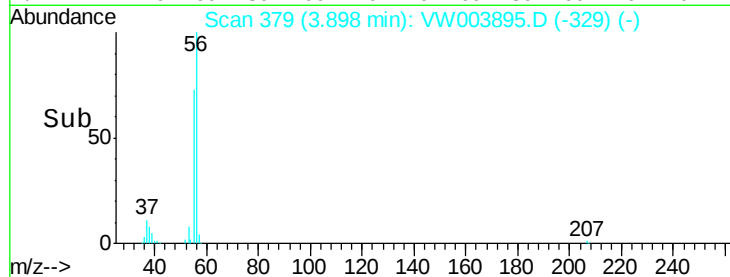
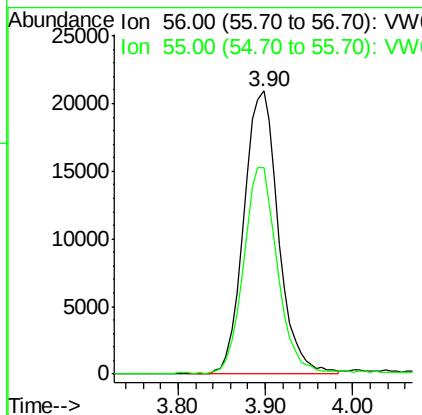
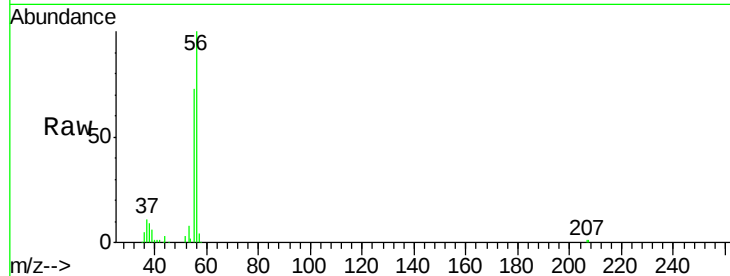
55 70.9 57.5 86.3

Manual Integrations

APPROVED

apatel

7/13/2018 9:31:16 AM



#14

Allyl chloride

Concen: 54.537 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.01 min

Lab File: VW003895.D

Acq: 12 Jul 2018 14:04

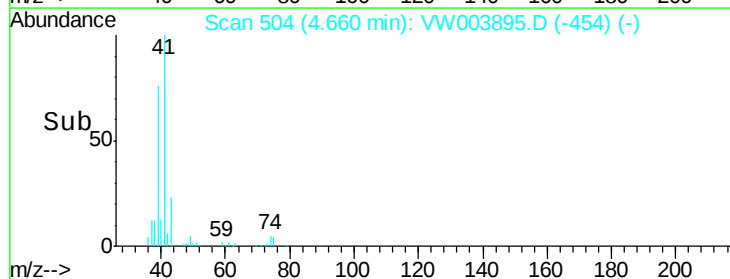
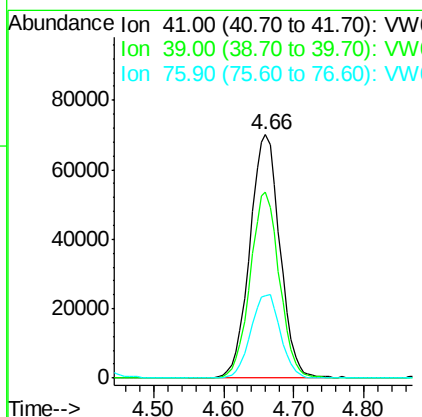
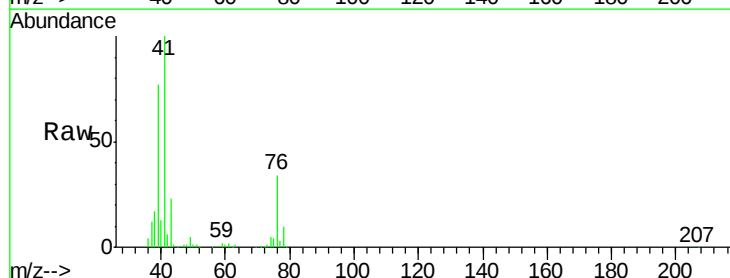
Tgt Ion: 41 Resp: 209485

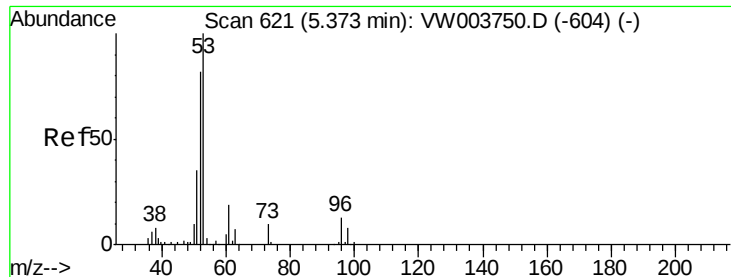
Ion Ratio Lower Upper

41 100

39 74.3 60.9 91.3

76 34.0 27.5 41.3





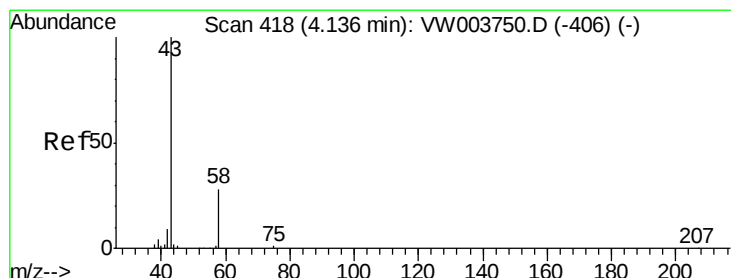
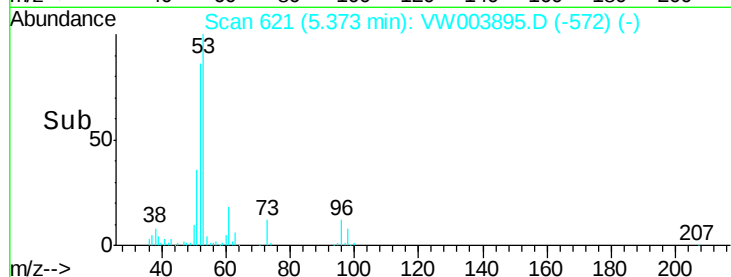
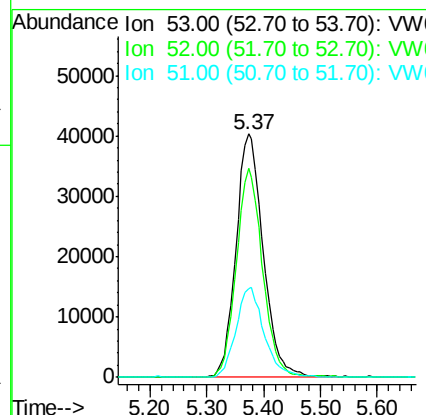
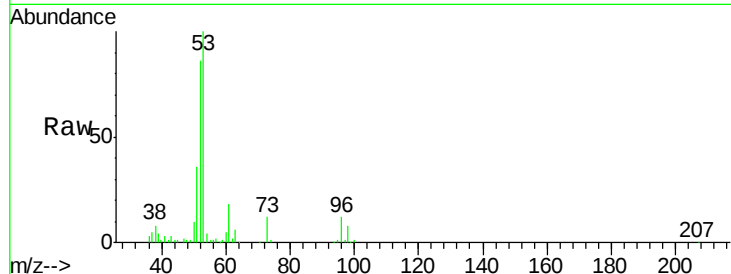
#15
 Acrylonitrile
 Concen: 227.562 ug/l
 RT: 5.37 min Scan# 621
 Delta R.T. -0.00 min
 Lab File: VW003895.D
 Acq: 12 Jul 2018 14:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	135126
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.2	99.2
51	38.0	30.2	45.4

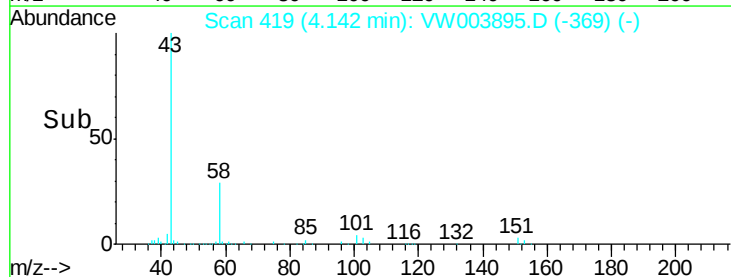
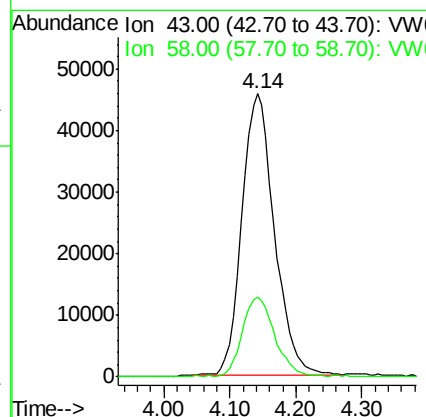
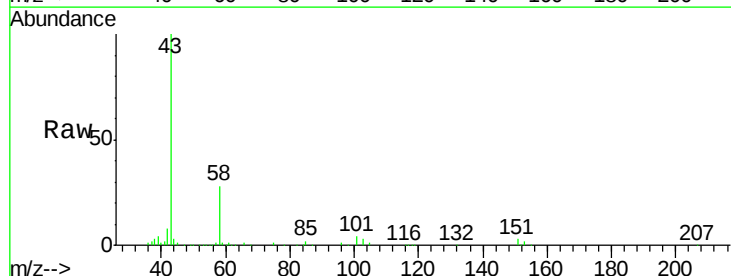
Manual Integrations
 APPROVED

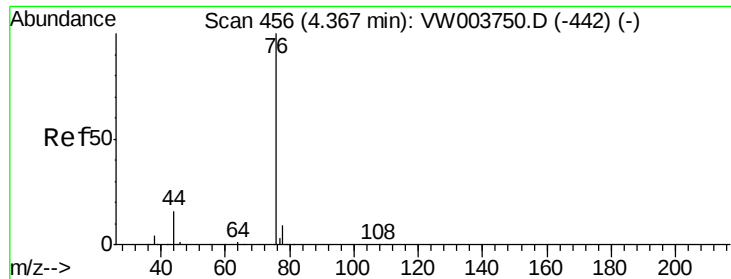
apatel
 7/13/2018 9:31:16 AM



#16
 Acetone
 Concen: 292.997 ug/l
 RT: 4.14 min Scan# 419
 Delta R.T. 0.01 min
 Lab File: VW003895.D
 Acq: 12 Jul 2018 14:04

Tgt Ion:	43	Resp:	156346
Ion	Ratio	Lower	Upper
43	100		
58	28.2	22.6	34.0





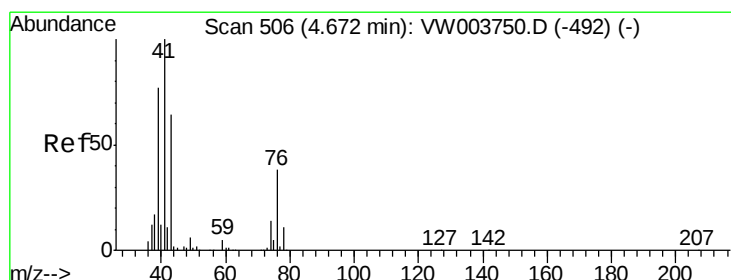
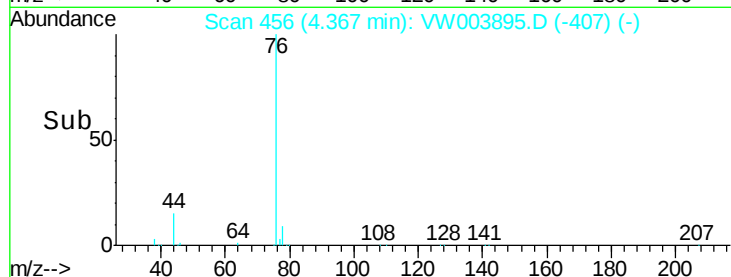
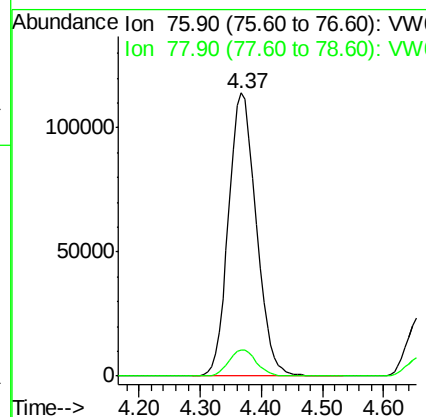
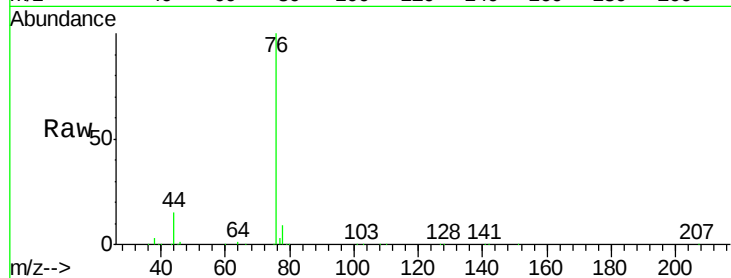
#17
Carbon Disulfide
Concen: 49.282 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

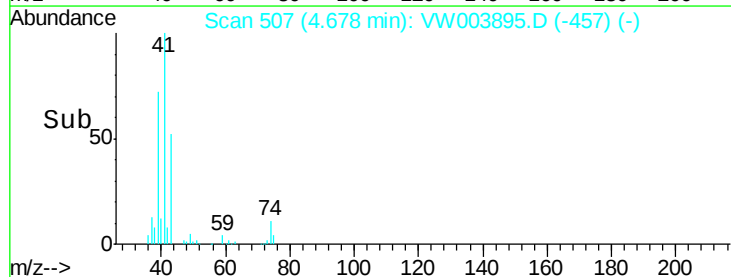
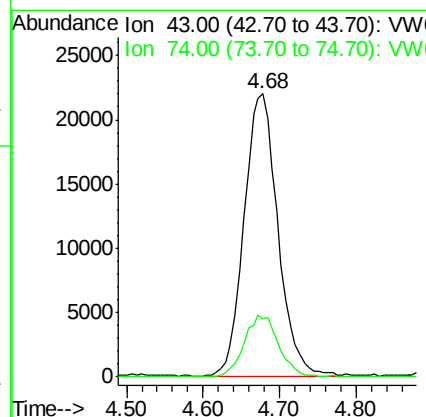
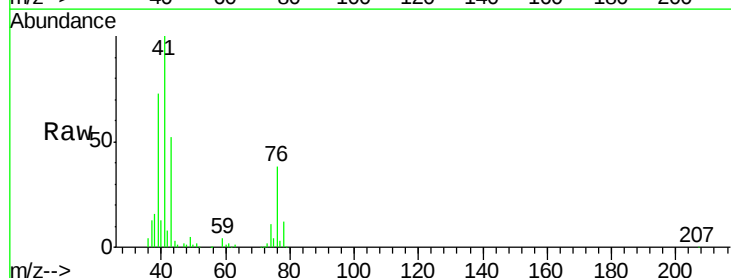
Manual Integrations
APPROVED

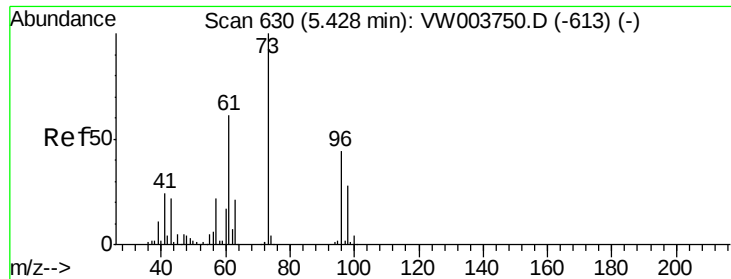
apatel
7/13/2018 9:31:16 AM



#18
Methyl Acetate
Concen: 44.882 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	17.3	25.9





#19

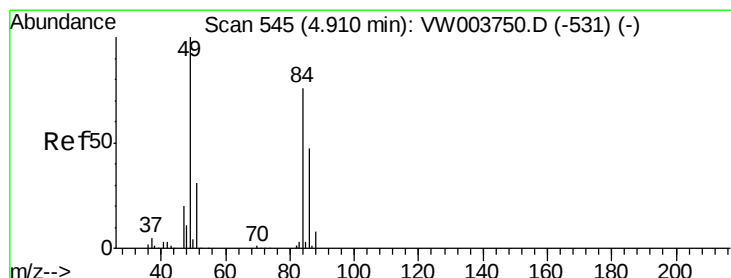
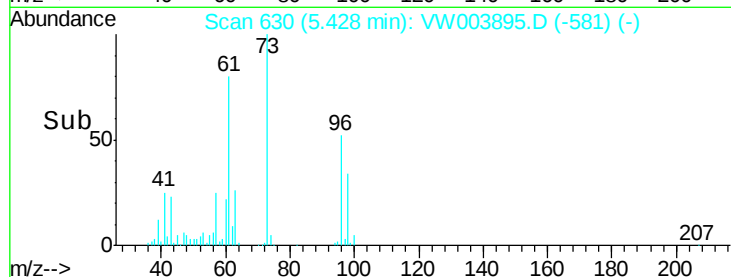
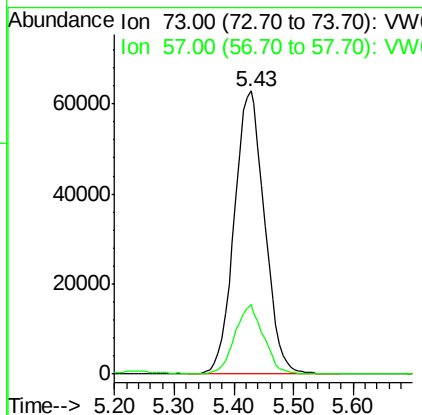
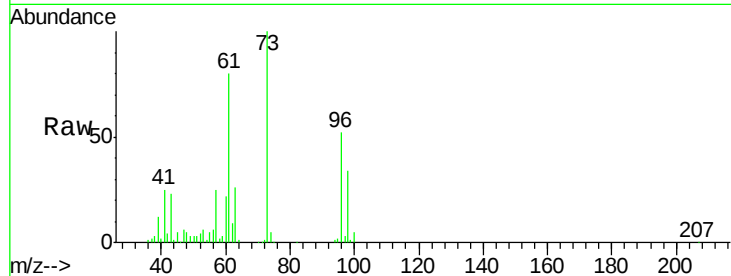
Methyl tert-butyl Ether
 Concen: 48.624 ug/l
 RT: 5.43 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VW003895.D
 Acq: 12 Jul 2018 14:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.7	17.9	26.9

Manual Integrations
 APPROVED

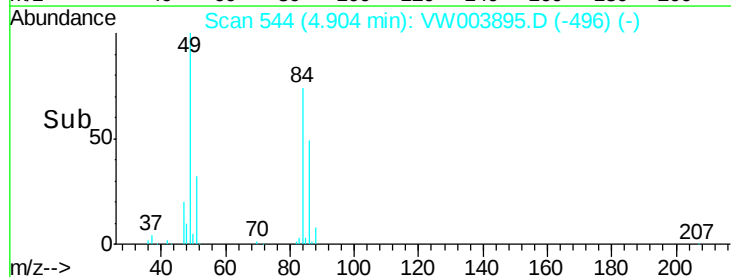
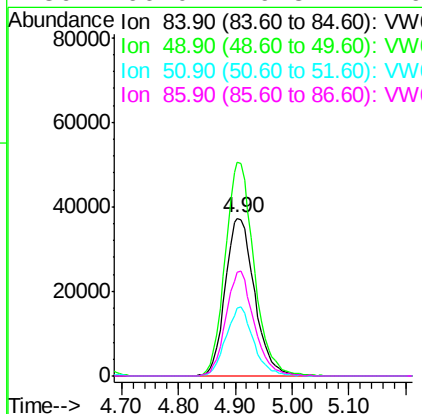
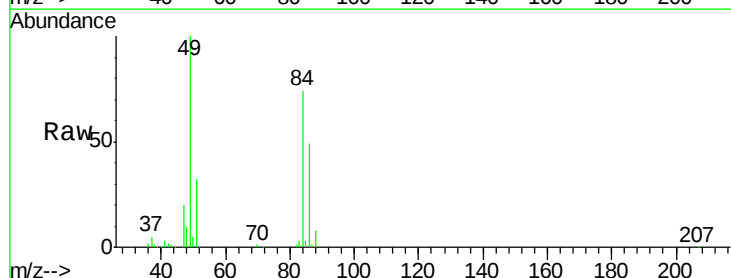
apatel
 7/13/2018 9:31:16 AM

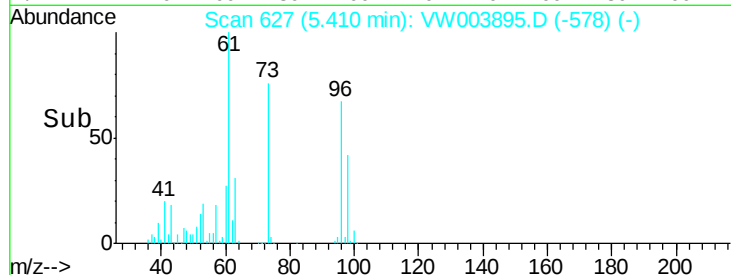
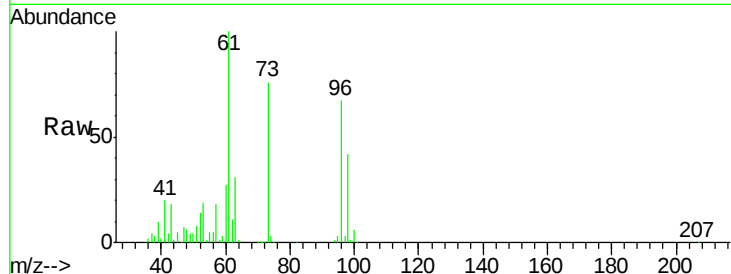
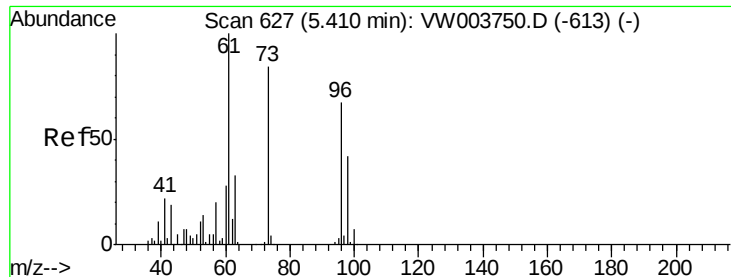


#20

Methylene Chloride
 Concen: 51.630 ug/l
 RT: 4.90 min Scan# 544
 Delta R.T. -0.01 min
 Lab File: VW003895.D
 Acq: 12 Jul 2018 14:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.5	105.1	157.7
51	43.4	32.5	48.7
86	66.0	49.8	74.6





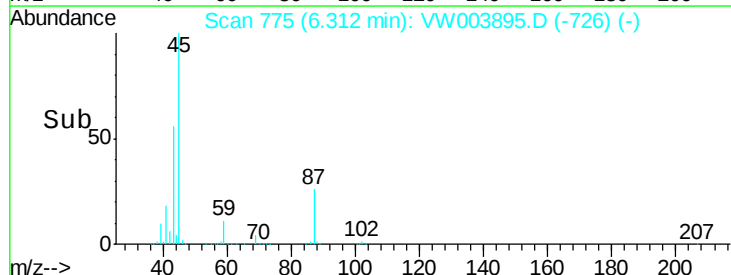
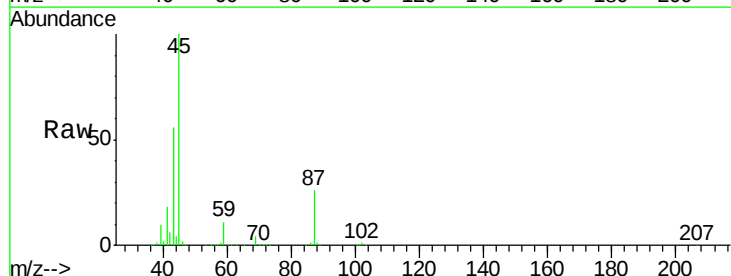
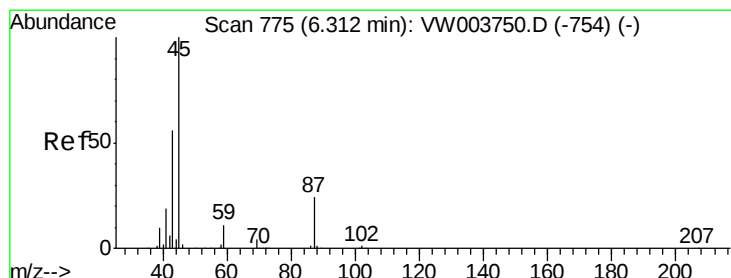
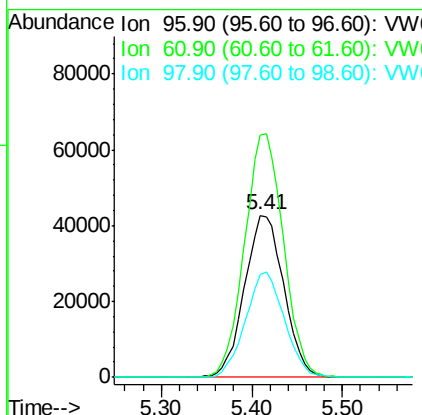
#21
trans-1,2-Dichloroethene
Concen: 48.983 ug/l
RT: 5.41 min Scan# 627
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.1	119.0	178.6
98	63.6	49.8	74.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

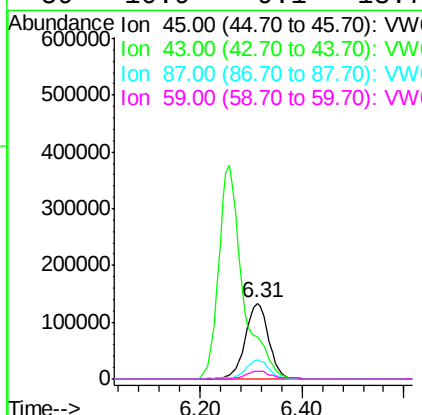
Manual Integrations
APPROVED

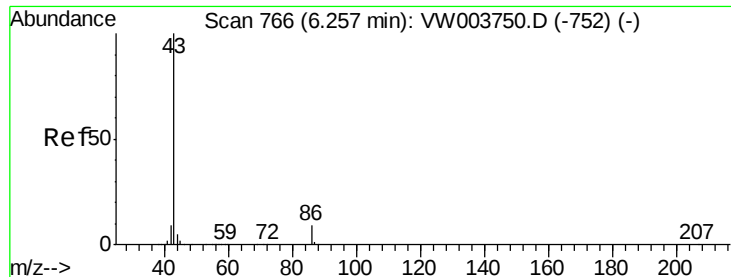
apatel
7/13/2018 9:31:16 AM



#22
Diisopropyl ether
Concen: 50.515 ug/l
RT: 6.31 min Scan# 775
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.8	44.5	66.7
87	25.9	19.6	29.4
59	10.9	9.1	13.7





#23

Vinyl Acetate

Concen: 240.128 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW003895.D

Acq: 12 Jul 2018 14:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1237855

Ion Ratio Lower Upper

43 100

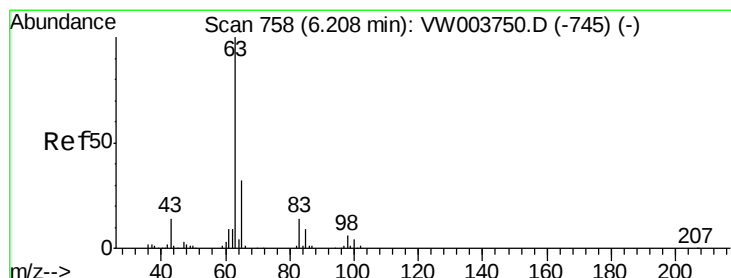
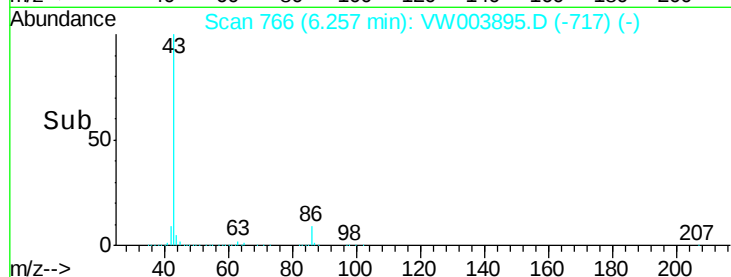
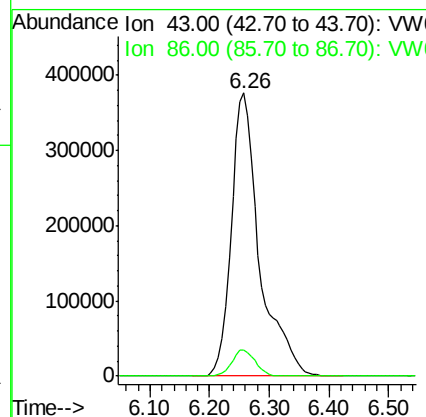
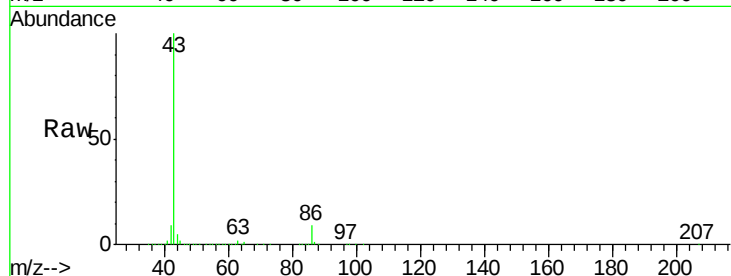
86 9.1 7.3 10.9

Manual Integrations

APPROVED

apatel

7/13/2018 9:31:16 AM



#24

1,1-Dichloroethane

Concen: 47.892 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.01 min

Lab File: VW003895.D

Acq: 12 Jul 2018 14:04

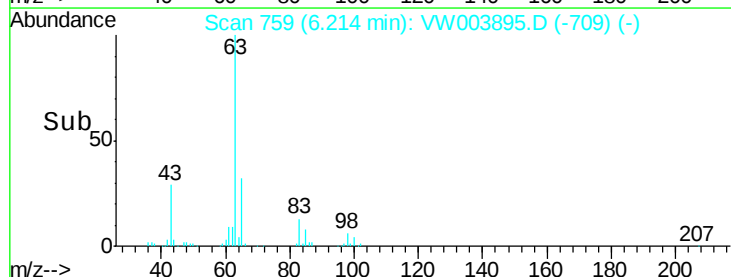
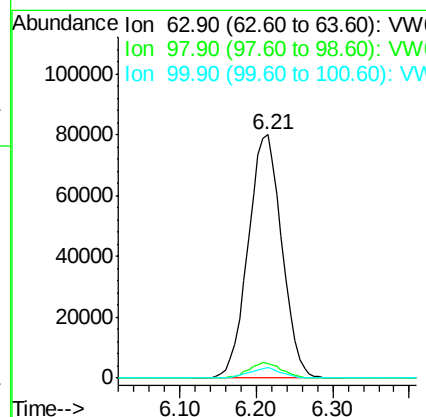
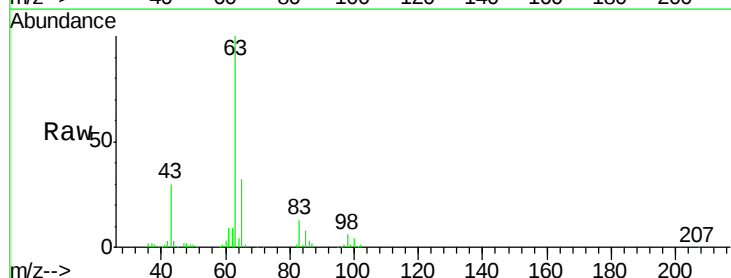
Tgt Ion: 63 Resp: 244604

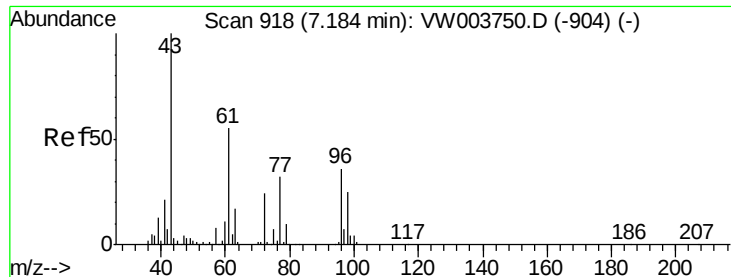
Ion Ratio Lower Upper

63 100

98 6.1 3.2 9.6

100 4.3 2.1 6.2





#25

2-Butanone

Concen: 231.825 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.00 min

Lab File: VW003895.D

Acq: 12 Jul 2018 14:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 193754

Ion Ratio Lower Upper

43 100

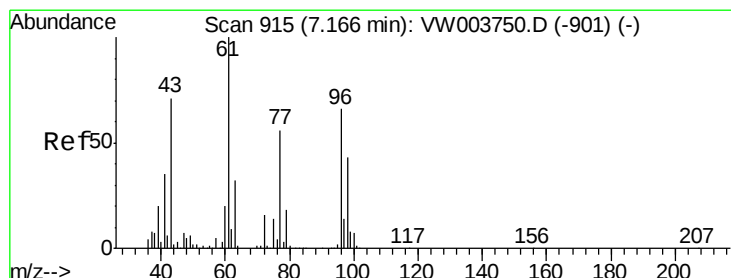
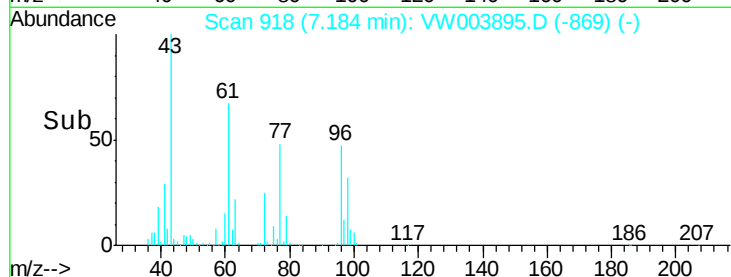
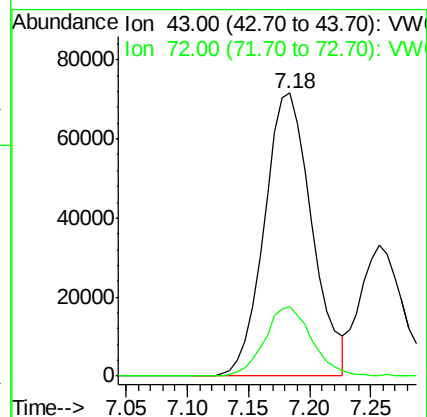
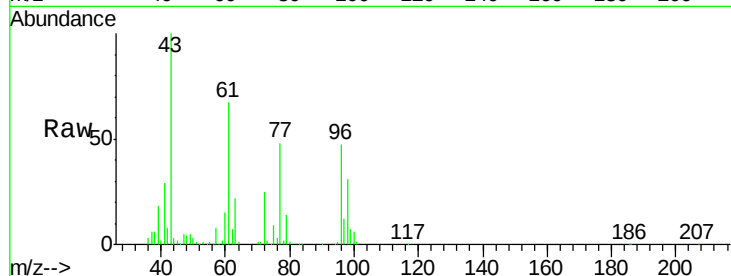
72 24.8 19.4 29.2

Manual Integrations

APPROVED

apatel

7/13/2018 9:31:16 AM



#26

2,2-Dichloropropane

Concen: 55.334 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW003895.D

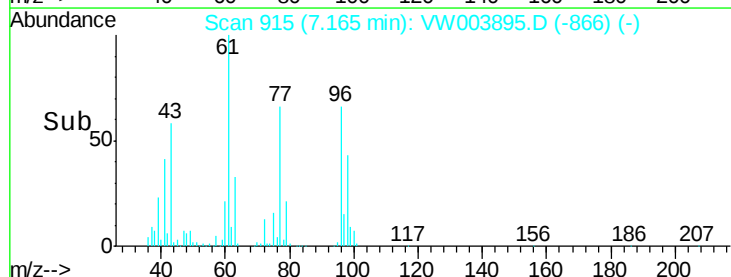
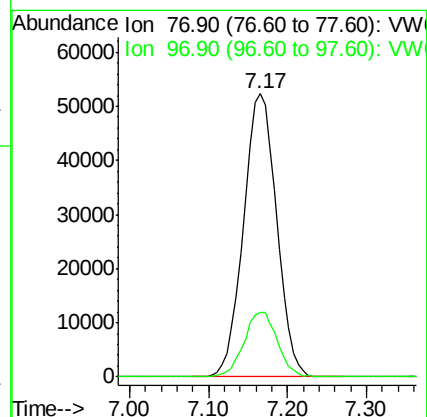
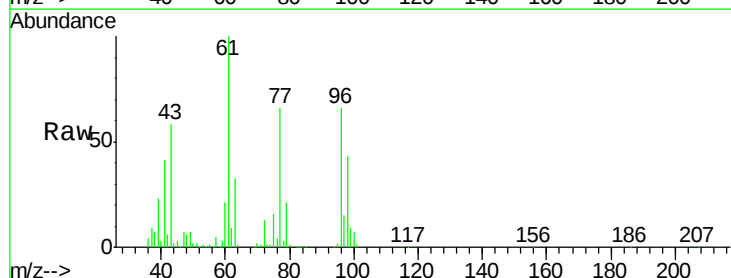
Acq: 12 Jul 2018 14:04

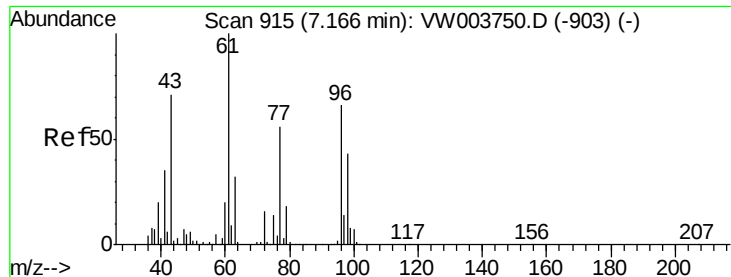
Tgt Ion: 77 Resp: 153287

Ion Ratio Lower Upper

77 100

97 22.9 11.5 34.5





#27

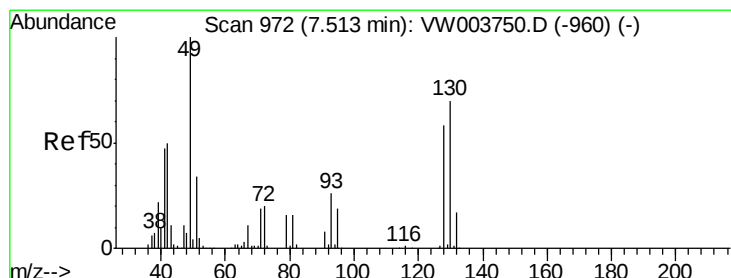
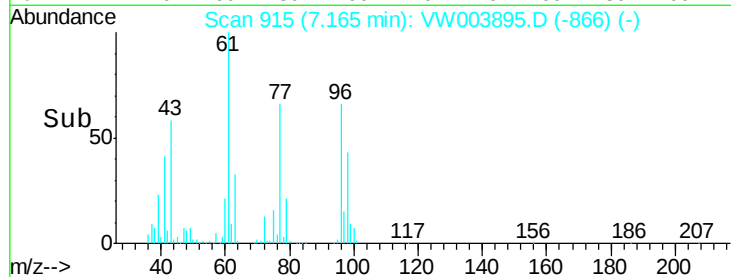
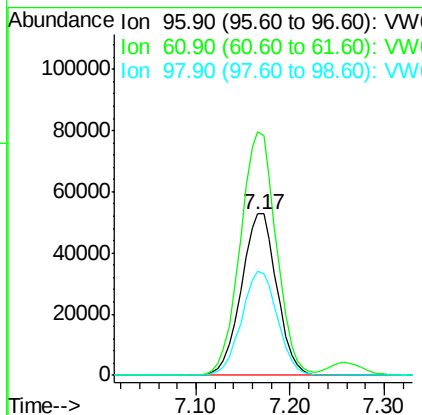
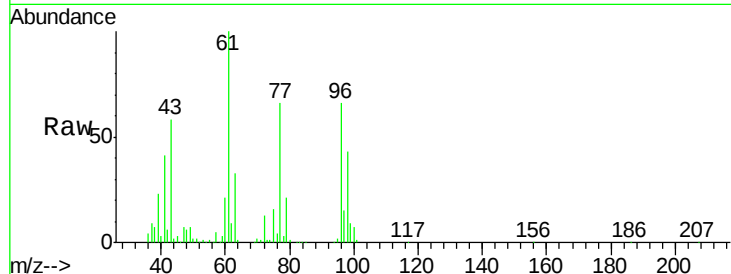
cis-1,2-Dichloroethene
 Concen: 48.238 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. -0.00 min
 Lab File: VW003895.D
 Acq: 12 Jul 2018 14:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	139522		
61	152.6	0.0	300.8	
98	65.0	0.0	128.6	

Manual Integrations
 APPROVED

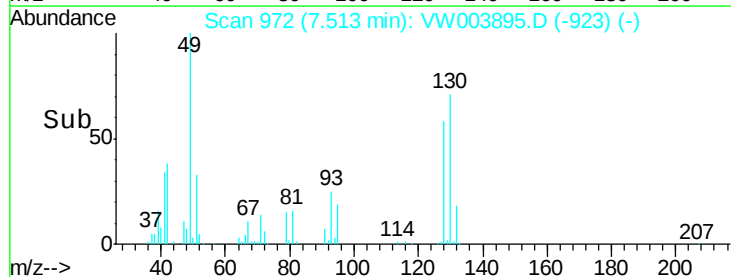
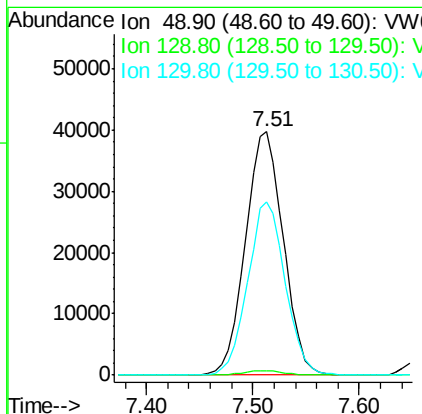
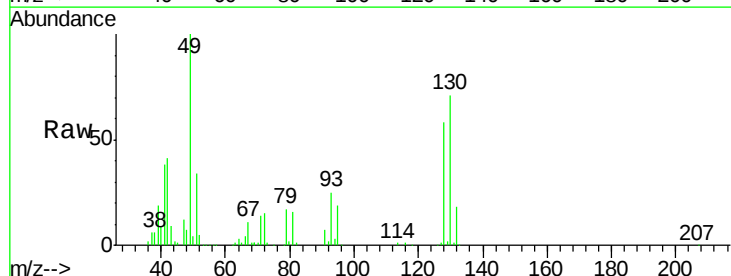
apatel
 7/13/2018 9:31:16 AM

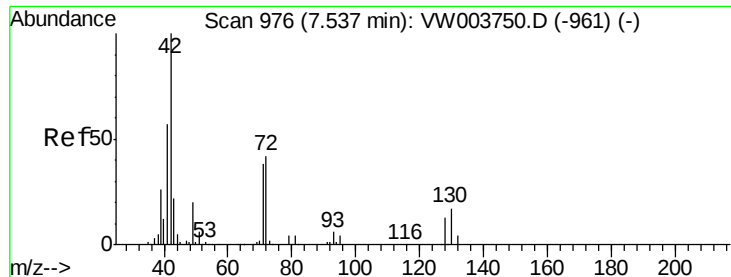


#28

Bromochloromethane
 Concen: 43.597 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VW003895.D
 Acq: 12 Jul 2018 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	99193		
129	1.9	0.0	4.4	
130	70.3	56.9	85.3	





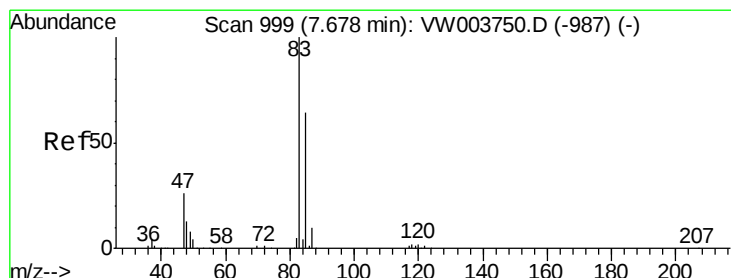
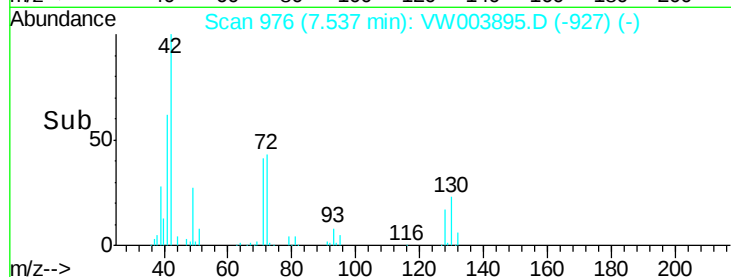
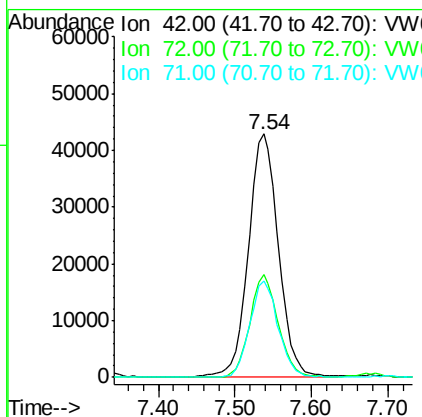
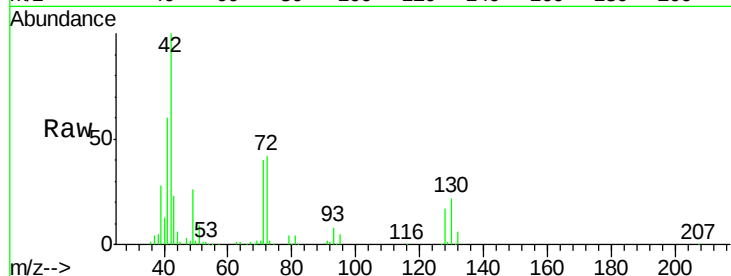
#29
Tetrahydrofuran
Concen: 218.483 ug/l
RT: 7.54 min Scan# 976
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	31.8	47.8
71	37.6	30.3	45.5

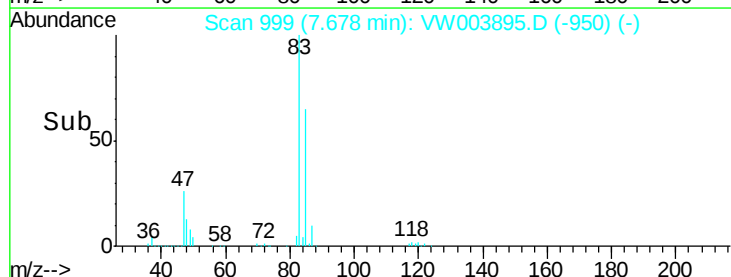
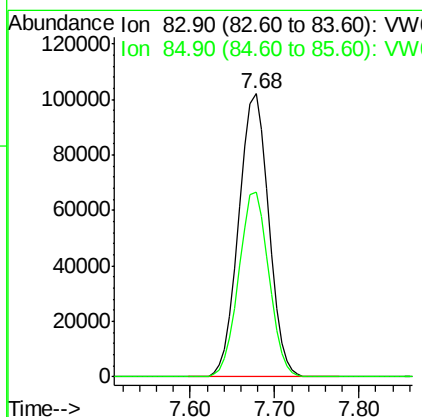
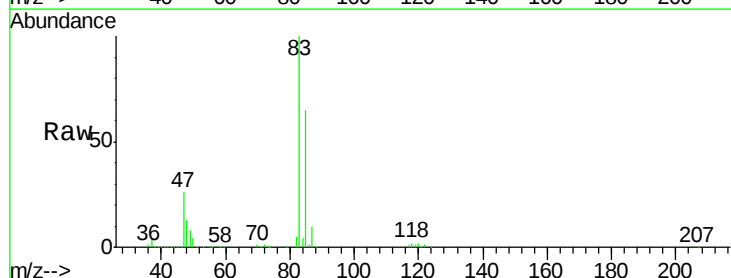
Manual Integrations
APPROVED

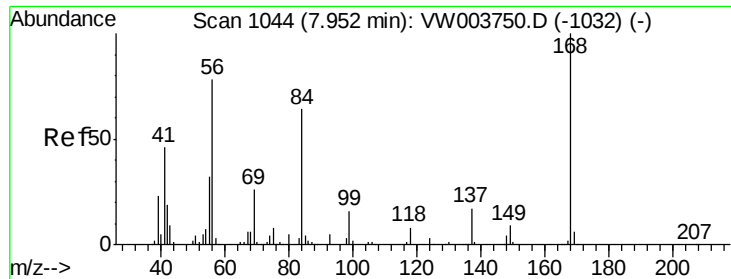
apatel
7/13/2018 9:31:16 AM



#30
Chloroform
Concen: 47.083 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.5	77.3





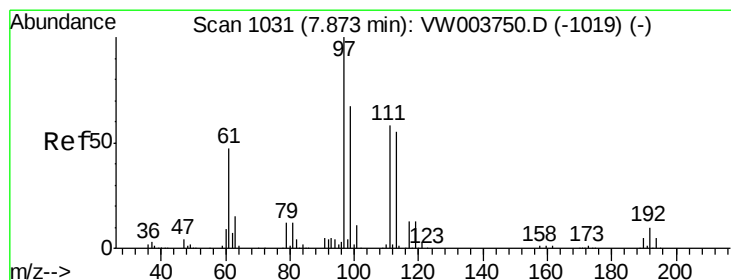
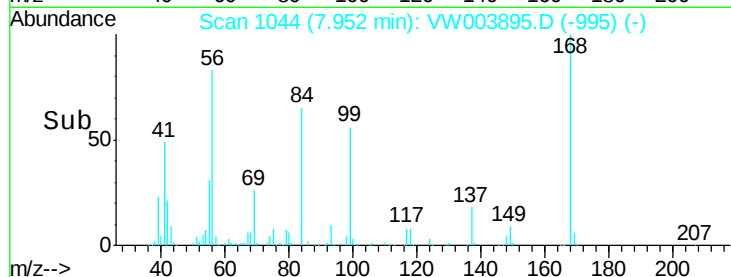
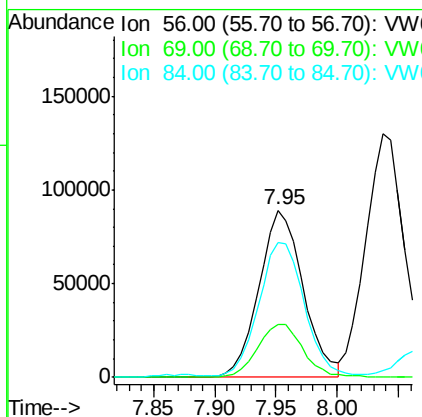
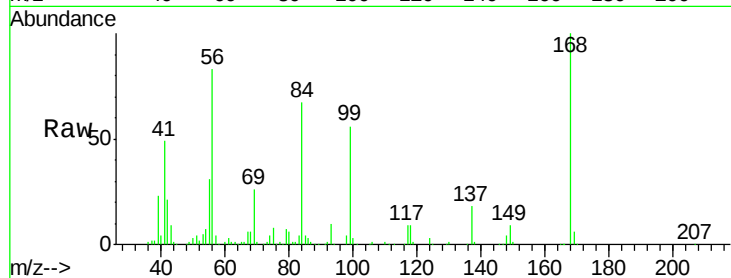
#31
Cyclohexane
Concen: 50.022 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	26.2	39.4
84	78.9	65.5	98.3

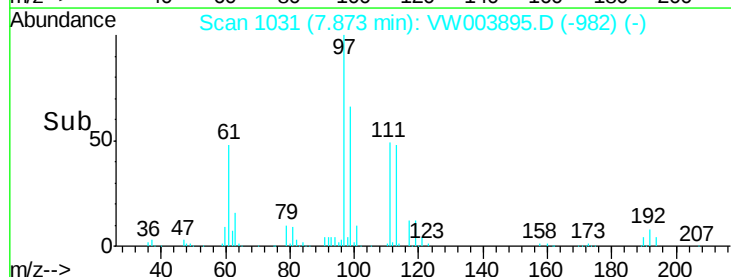
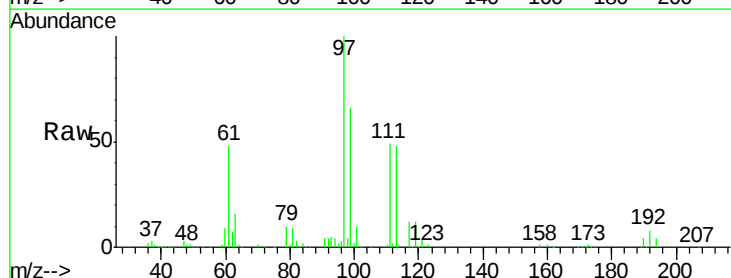
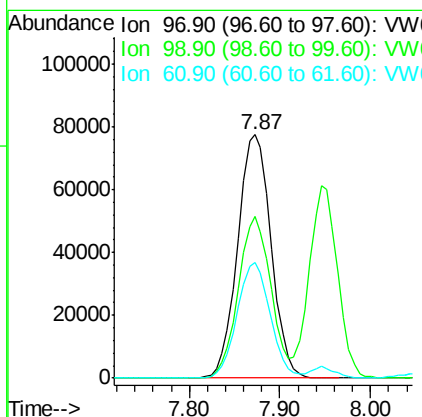
Manual Integrations
APPROVED

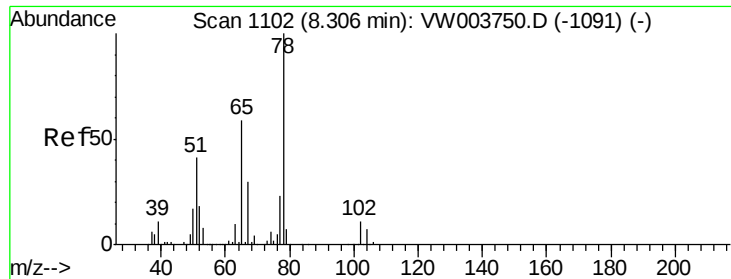
apatel
7/13/2018 9:31:16 AM



#32
1,1,1-Trichloroethane
Concen: 49.893 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.2	76.8
61	47.2	37.6	56.4





#33

1,2-Dichloroethane-d4

Concen: 42.256 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW003895.D

Acq: 12 Jul 2018 14:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 129964

Ion Ratio Lower Upper

65 100

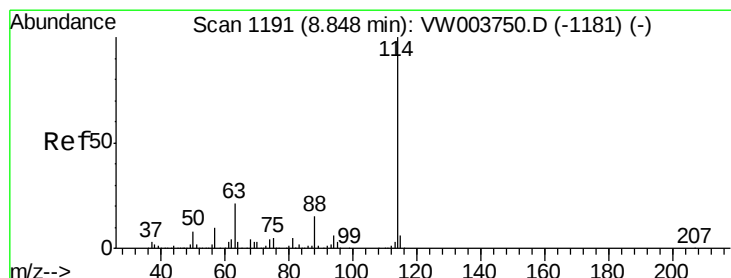
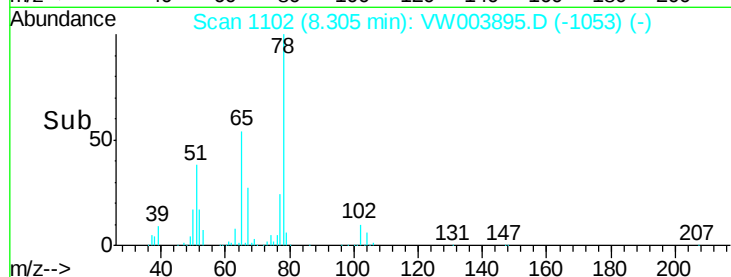
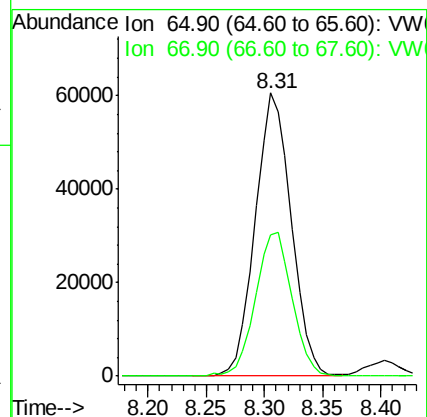
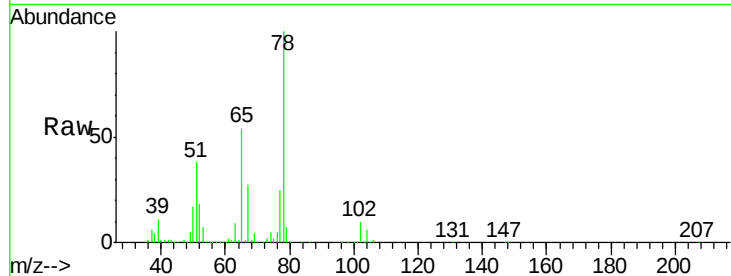
67 51.6 0.0 103.8

Manual Integrations

APPROVED

apatel

7/13/2018 9:31:16 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW003895.D

Acq: 12 Jul 2018 14:04

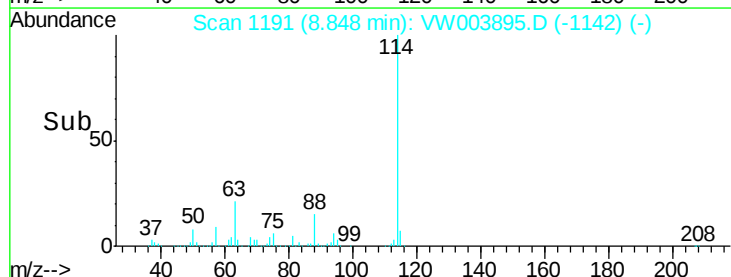
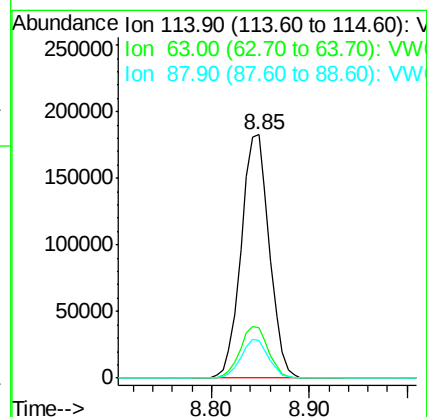
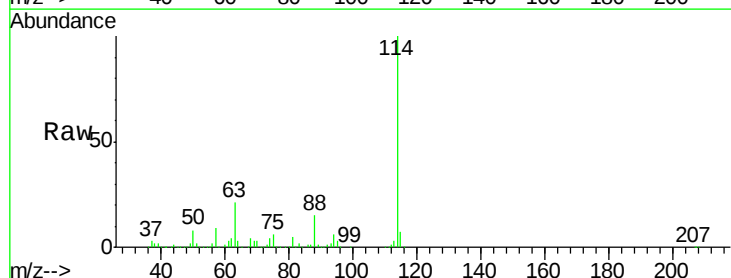
Tgt Ion: 114 Resp: 364435

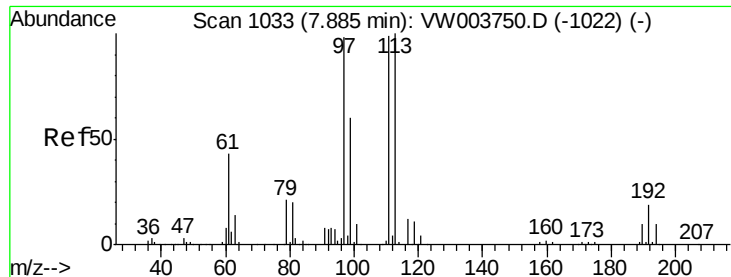
Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.8

88 15.4 0.0 30.2





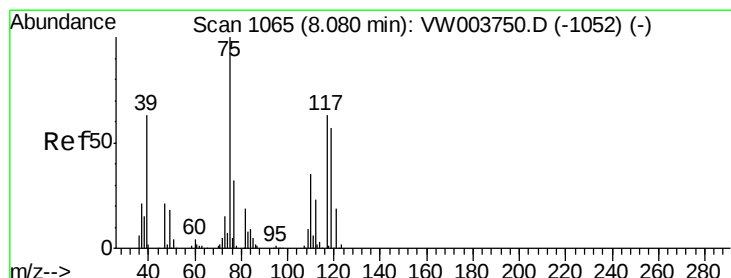
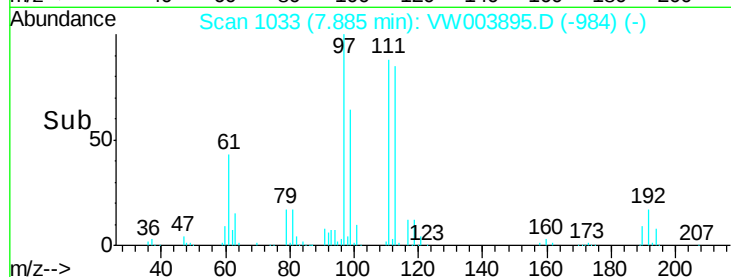
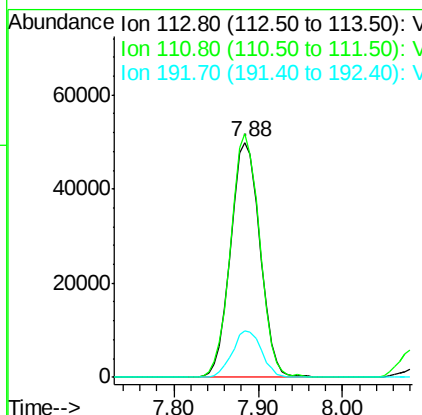
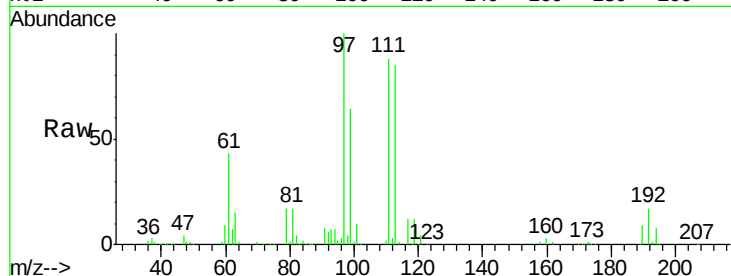
#35
 Dibromofluoromethane
 Concen: 46.410 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003895.D
 Acq: 12 Jul 2018 14:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.7	122.5
192	19.7	15.8	23.8

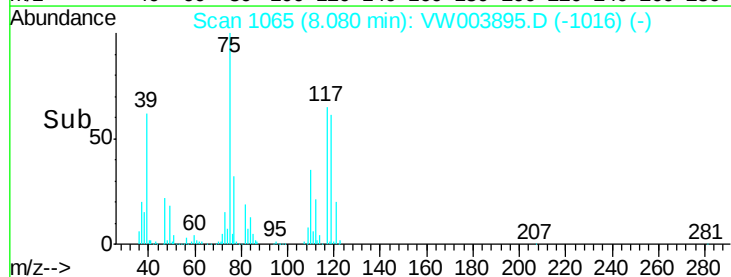
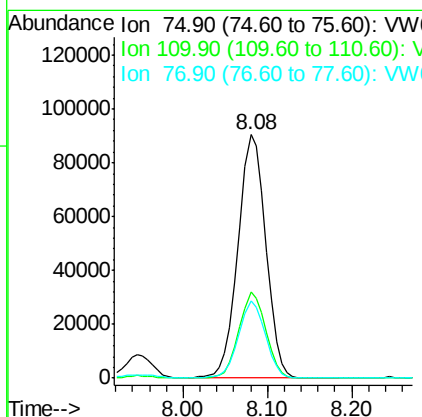
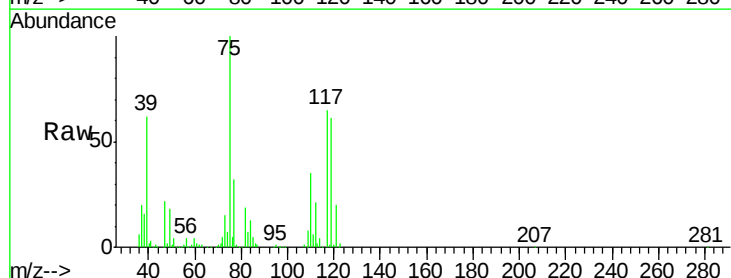
Manual Integrations
 APPROVED

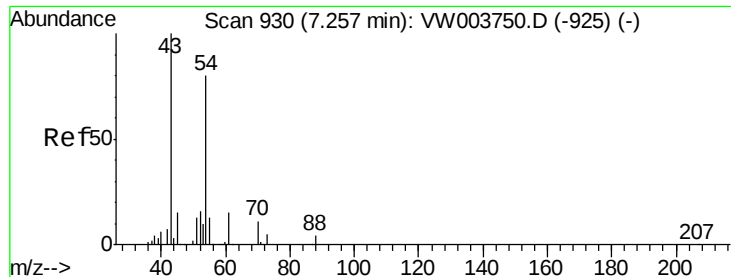
apatel
 7/13/2018 9:31:16 AM



#36
 1,1-Dichloropropene
 Concen: 51.968 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW003895.D
 Acq: 12 Jul 2018 14:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.9	50.6
77	30.6	24.8	37.2





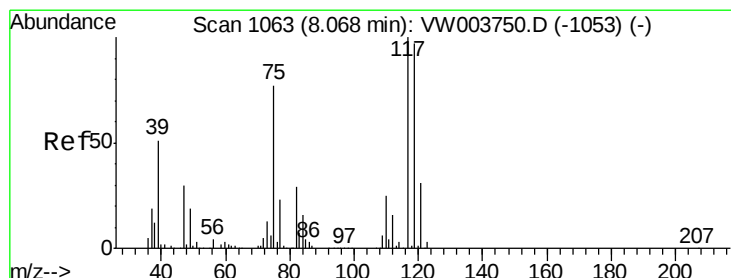
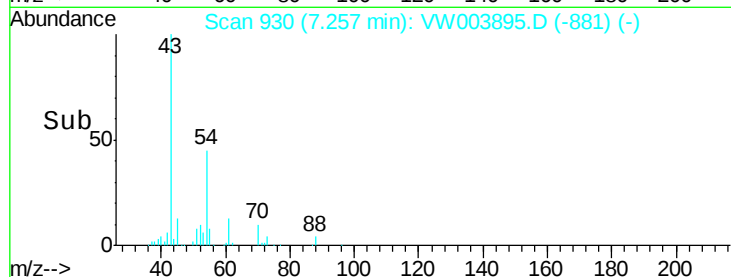
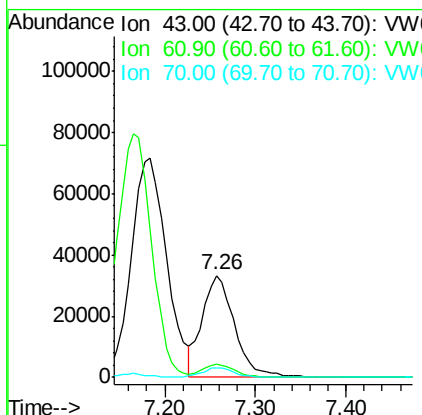
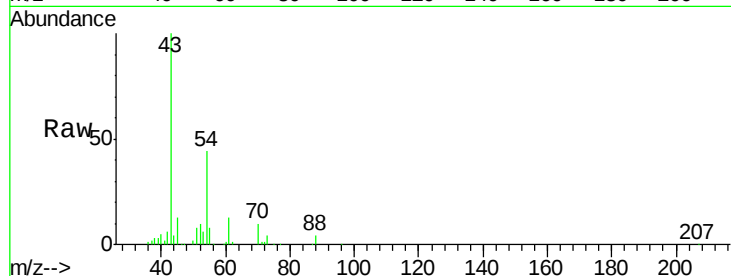
#37
Ethyl Acetate
Concen: 43.633 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.6	15.8
70	9.7	7.5	11.3

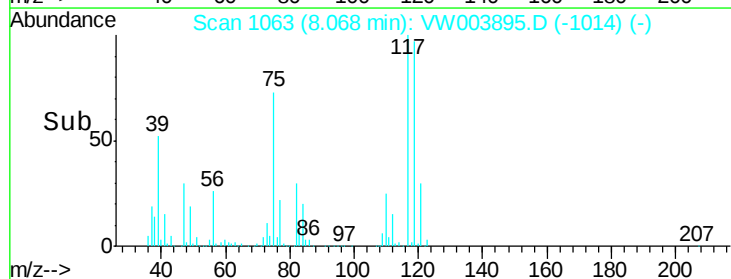
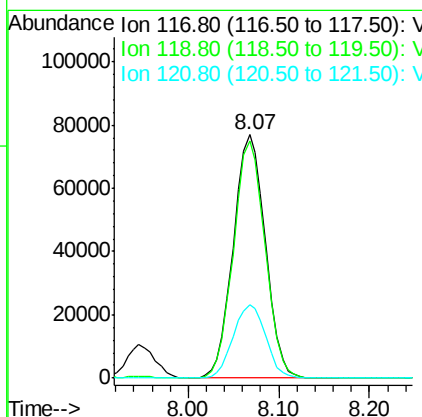
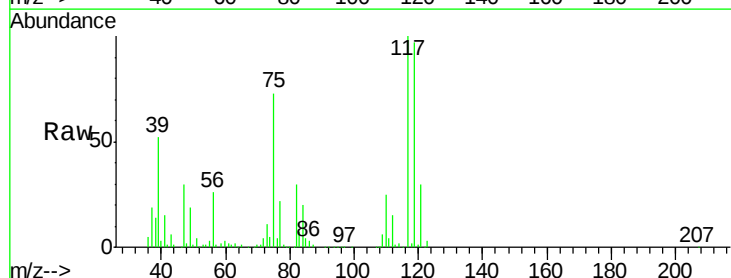
Manual Integrations
APPROVED

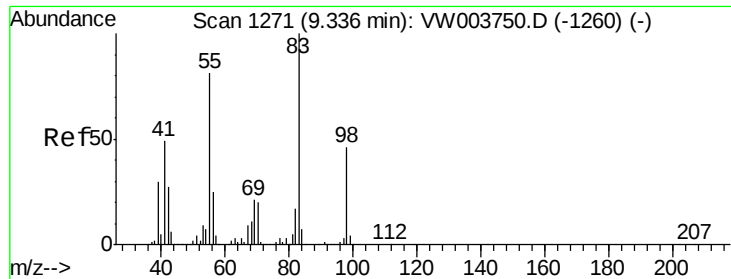
apatel
7/13/2018 9:31:16 AM



#38
Carbon Tetrachloride
Concen: 51.284 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.4	116.2
121	30.1	24.6	37.0





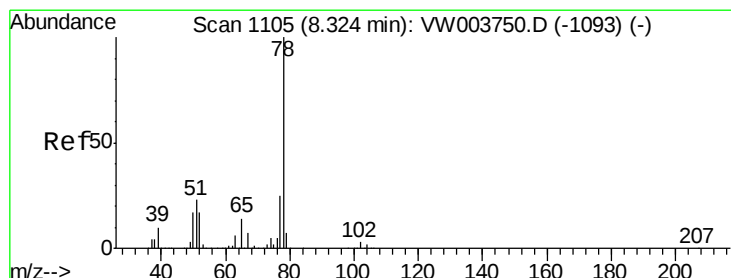
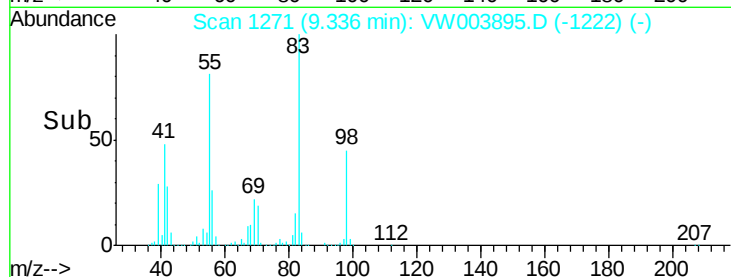
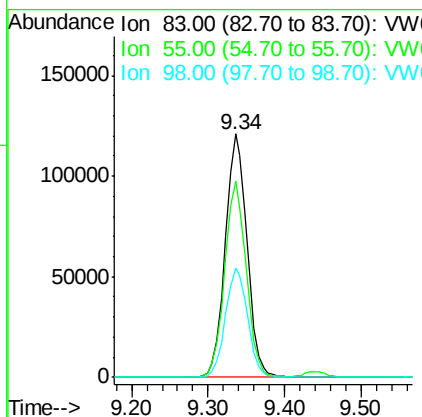
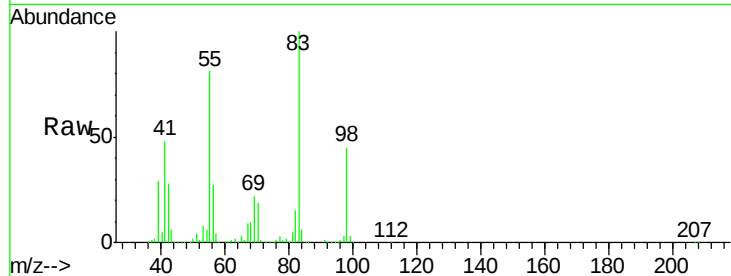
#39
Methvlcvclohexane
Concen: 56.304 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	238449		
55	80.8	65.1	97.7	
98	44.7	36.7	55.1	

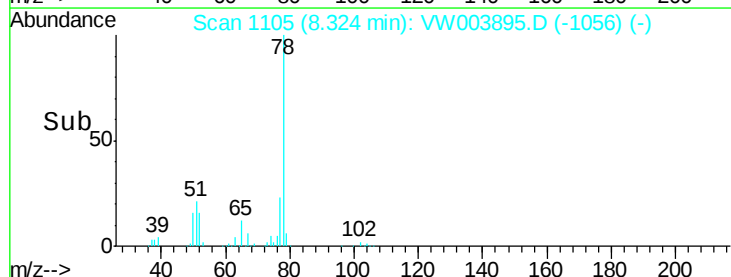
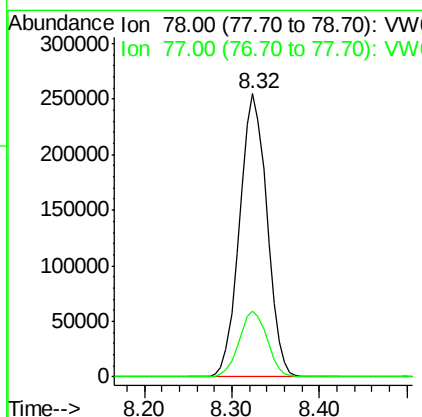
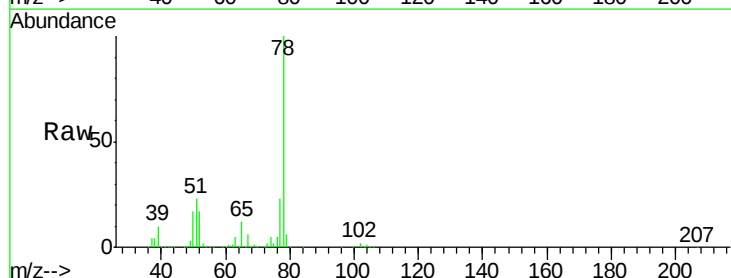
Manual Integrations
APPROVED

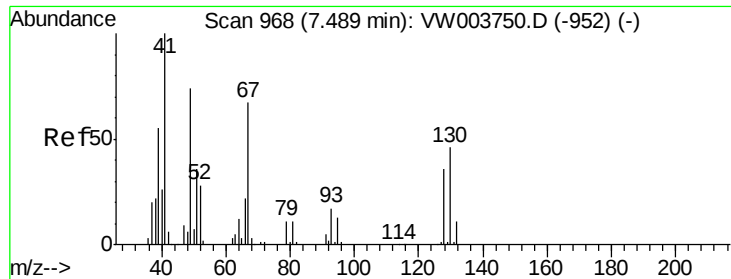
apatel
7/13/2018 9:31:16 AM



#40
Benzene
Concen: 50.181 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	554742		
77	23.2	19.7	29.5	





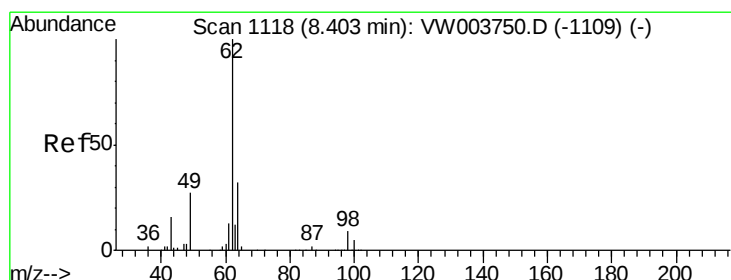
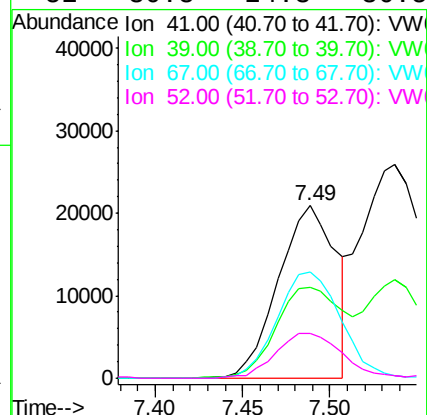
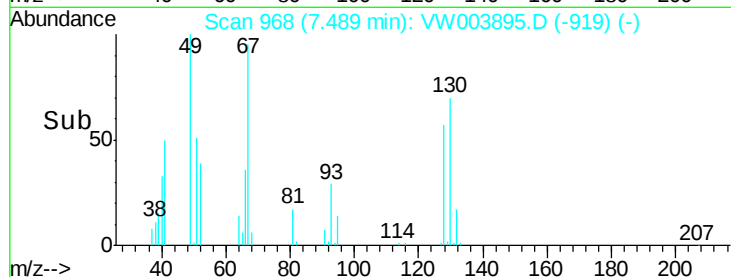
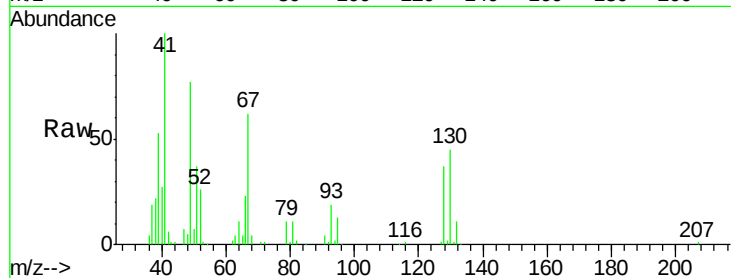
#41
Methacrylonitrile
Concen: 44.442 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	48100
Ion	Ratio	Lower	Upper
41	100		
39	62.1	49.5	74.3
67	68.1	53.8	80.8
52	30.8	24.3	36.5

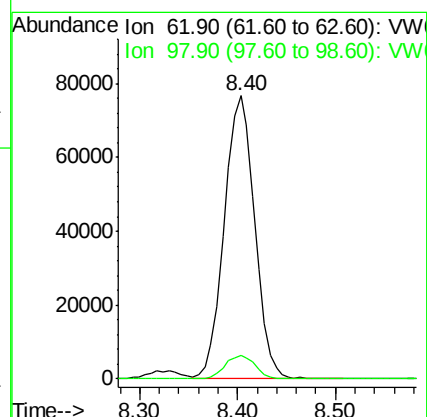
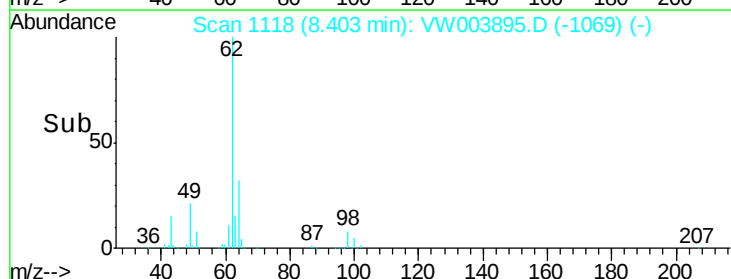
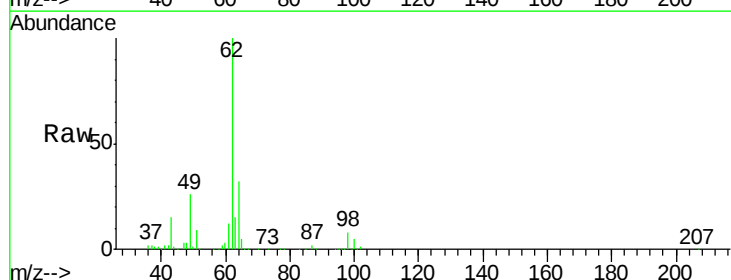
Manual Integrations
APPROVED

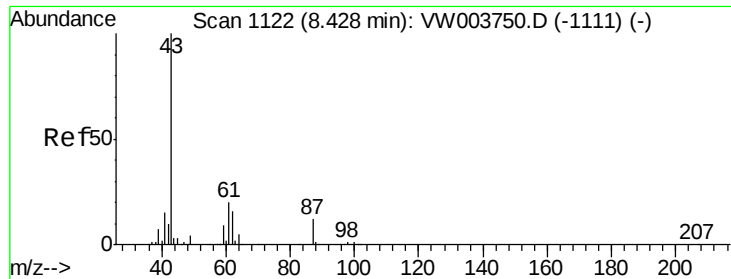
apatel
7/13/2018 9:31:16 AM



#42
1,2-Dichloroethane
Concen: 46.234 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Tgt Ion:	62	Resp:	165415
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.4





#43

Isopropyl Acetate

Concen: 44.449 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VW003895.D

Acq: 12 Jul 2018 14:04

Instrument :

MSVOA_W

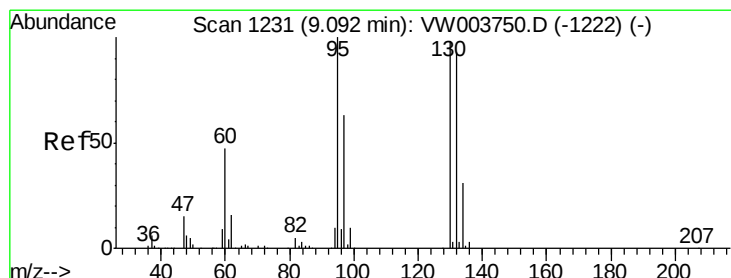
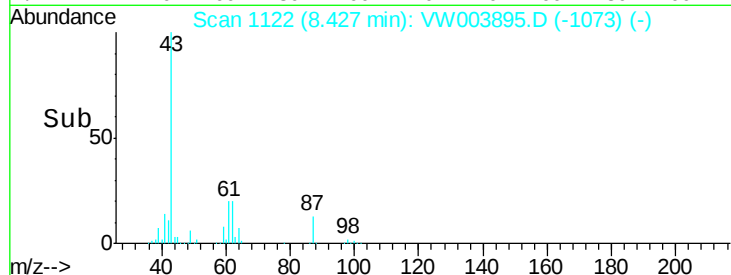
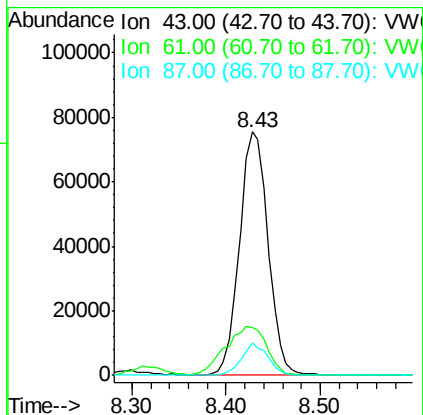
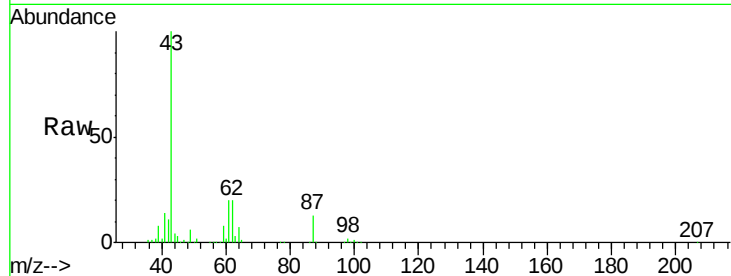
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	158501
Ion Ratio	Lower	Upper	
43	100		
61	29.2	22.8	34.2
87	12.1	9.5	14.3

Manual Integrations
APPROVED

apatel
7/13/2018 9:31:16 AM



#44

Trichloroethene

Concen: 51.096 ug/l

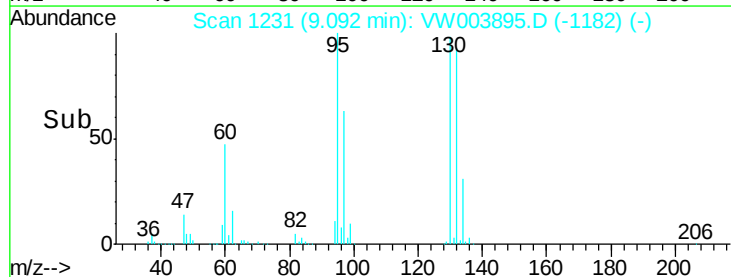
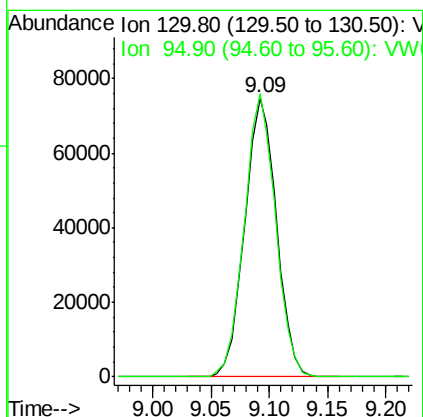
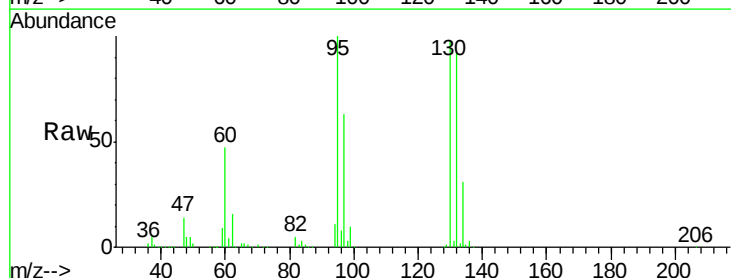
RT: 9.09 min Scan# 1231

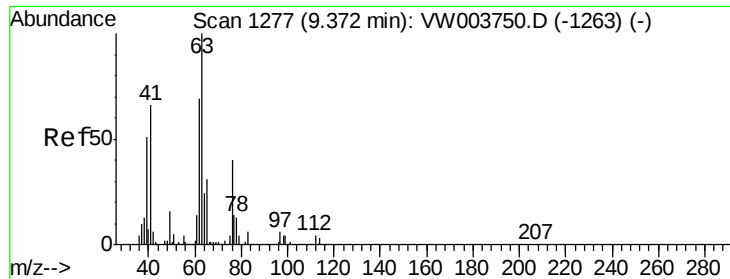
Delta R.T. -0.00 min

Lab File: VW003895.D

Acq: 12 Jul 2018 14:04

Tgt Ion:	130	Resp:	142403
Ion Ratio	Lower	Upper	
130	100		
95	101.5	0.0	203.8





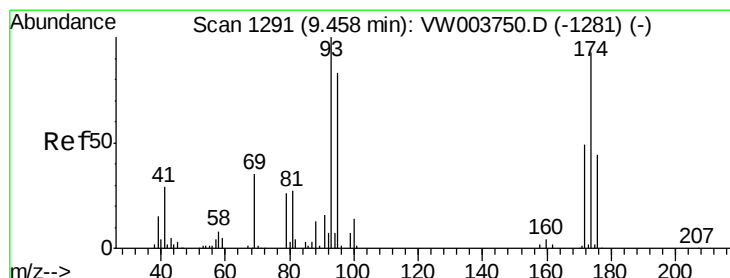
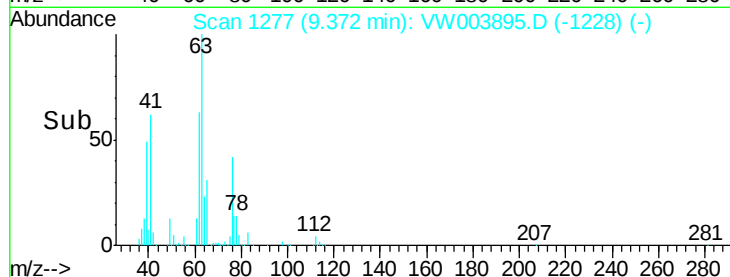
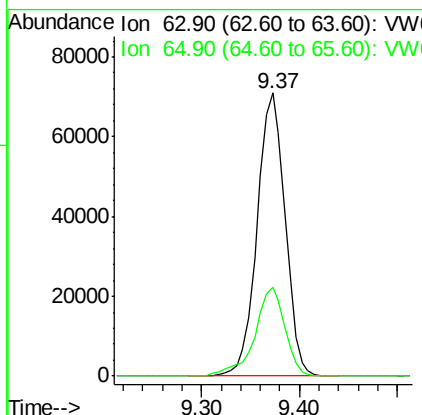
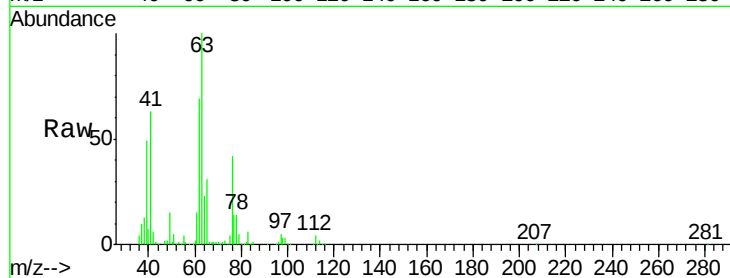
#45
 1,2-Dichloropropane
 Concen: 49.022 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW003895.D
 Acq: 12 Jul 2018 14:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.9	37.3

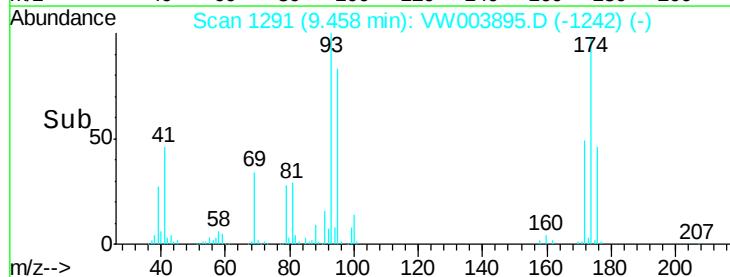
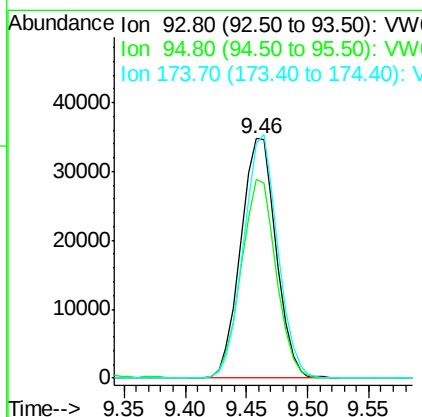
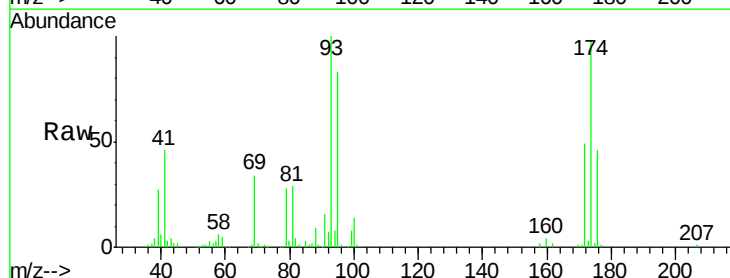
Manual Integrations
 APPROVED

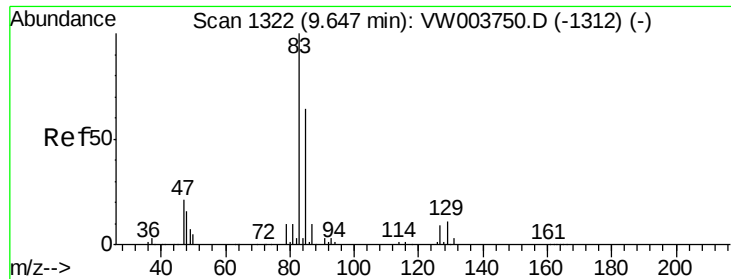
apatel
 7/13/2018 9:31:16 AM



#46
 Dibromomethane
 Concen: 46.242 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VW003895.D
 Acq: 12 Jul 2018 14:04

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.7	67.2	100.8
174	98.4	78.1	117.1





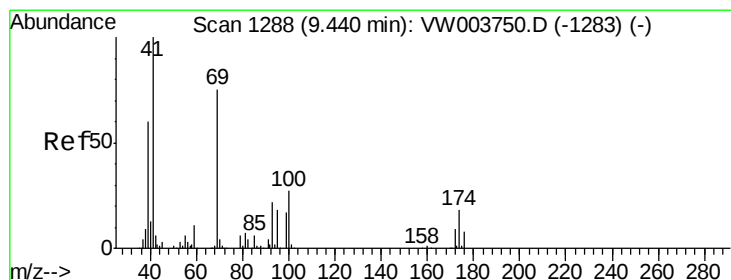
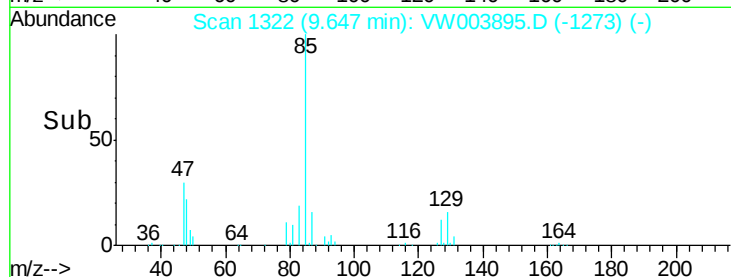
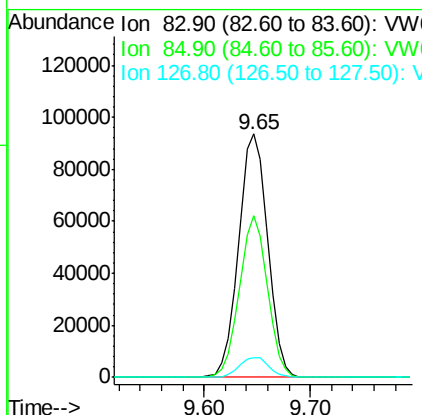
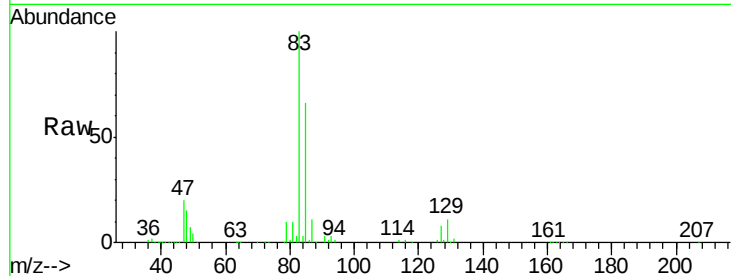
#47
Bromodichloromethane
Concen: 48.369 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	179845		
85	66.4		51.4	77.0
127	8.0		6.8	10.2

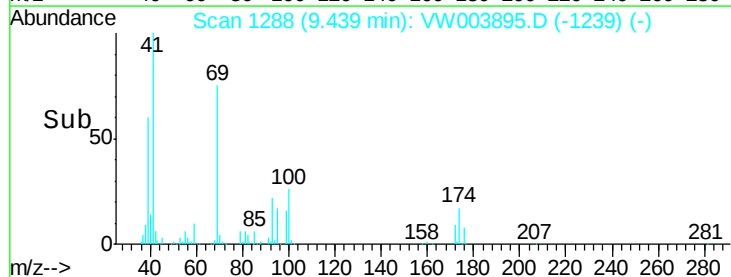
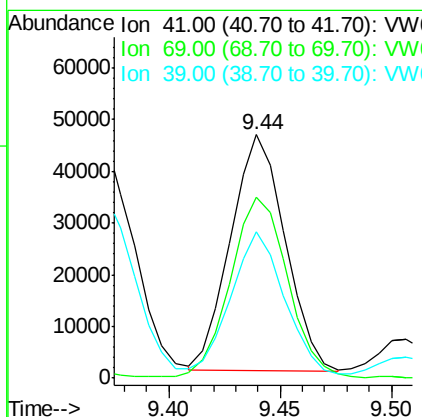
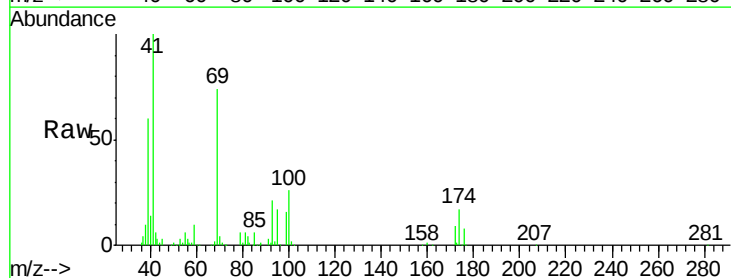
Manual Integrations
APPROVED

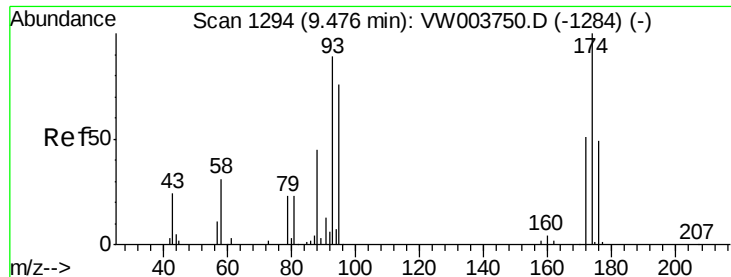
apatel
7/13/2018 9:31:16 AM



#48
Methyl methacrylate
Concen: 45.703 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	77616		
69	81.3		63.8	95.8
39	58.8		50.2	75.2





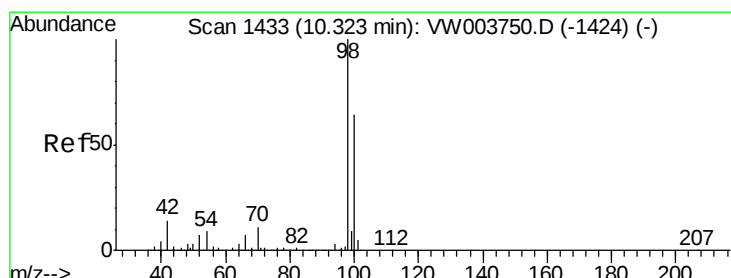
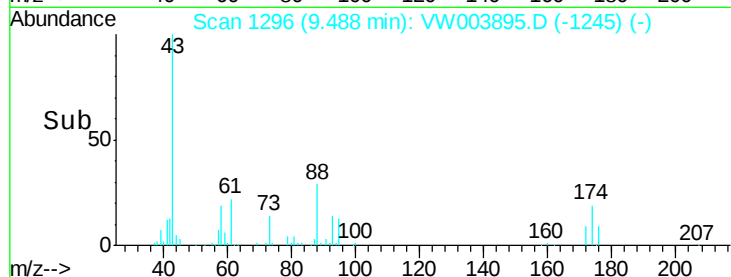
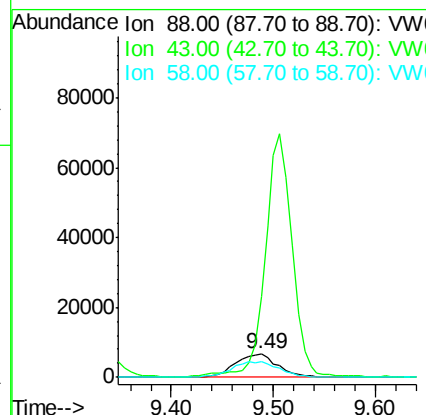
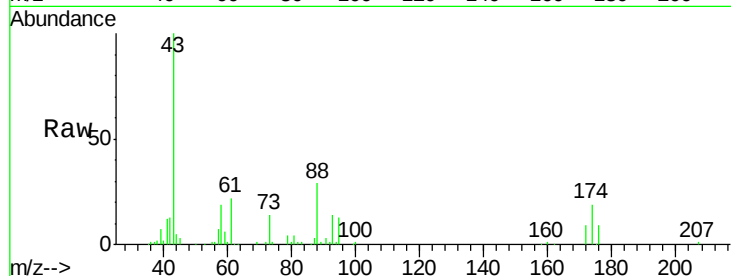
#49
 1,4-Dioxane
 Concen: 864.771 ug/l
 RT: 9.49 min Scan# 1296
 Delta R.T. 0.01 min
 Lab File: VW003895.D
 Acq: 12 Jul 2018 14:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	74.8	59.7	89.5

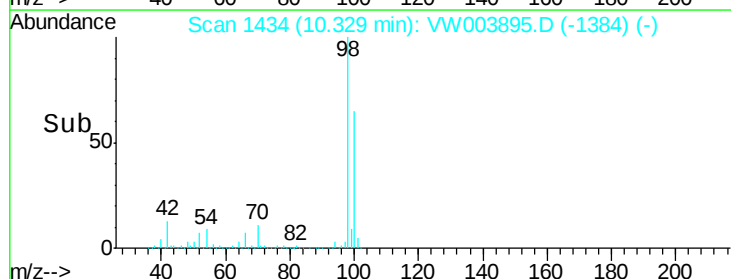
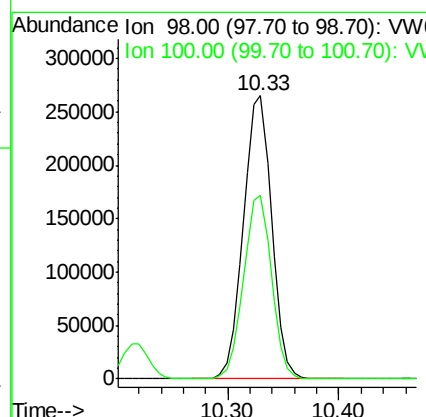
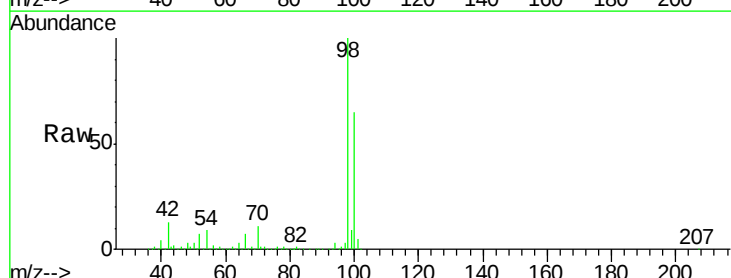
Manual Integrations
 APPROVED

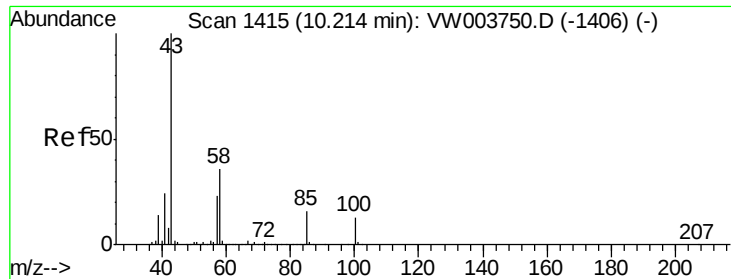
apatel
 7/13/2018 9:31:16 AM



#50
 Toluene-d8
 Concen: 47.751 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW003895.D
 Acq: 12 Jul 2018 14:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.8	76.2





#51

4-Methyl-2-Pentanone

Concen: 229.049 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW003895.D

Acq: 12 Jul 2018 14:04

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 422660

Ion Ratio Lower Upper

43 100

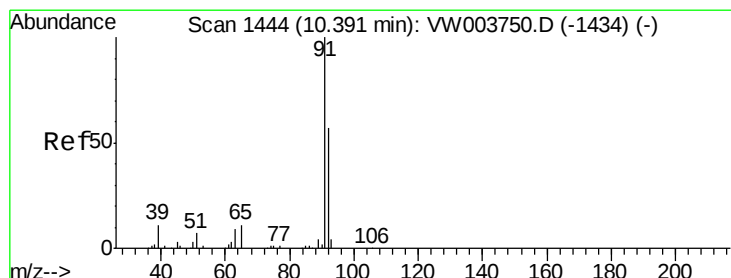
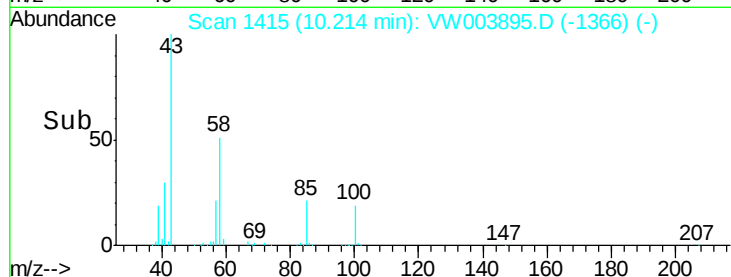
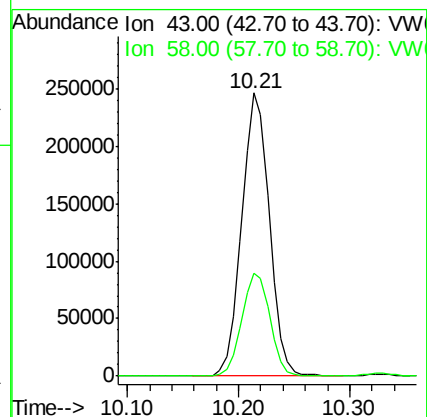
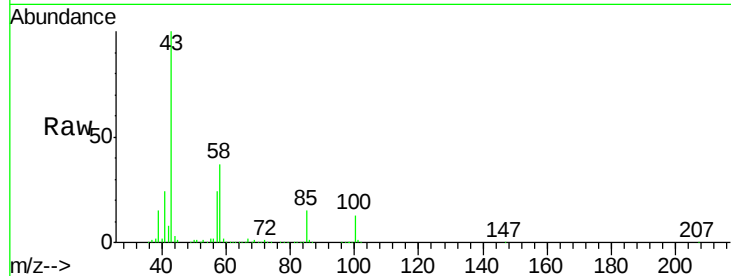
58 37.2 29.3 43.9

Manual Integrations

APPROVED

apatel

7/13/2018 9:31:16 AM



#52

Toluene

Concen: 50.875 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW003895.D

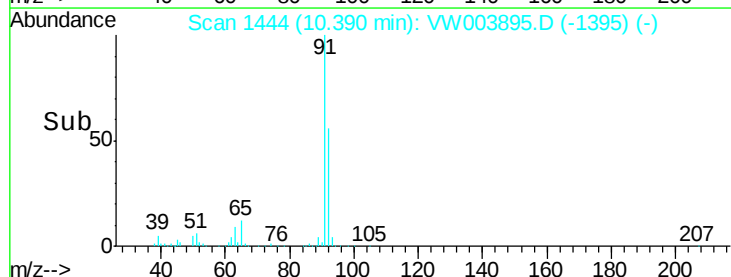
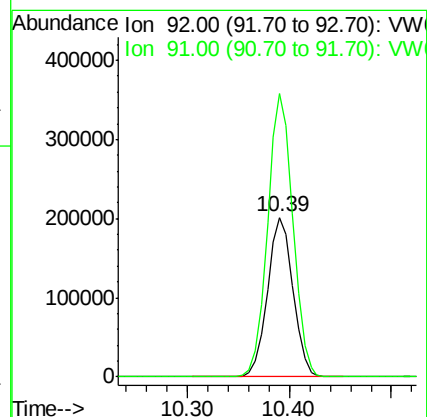
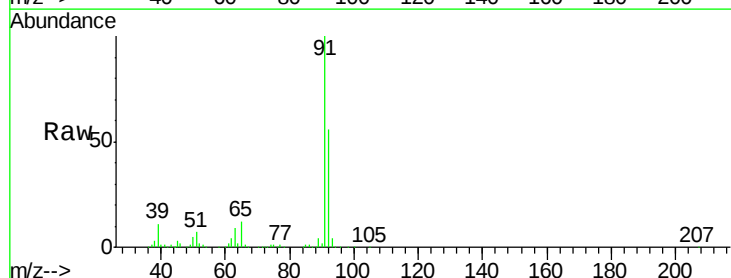
Acq: 12 Jul 2018 14:04

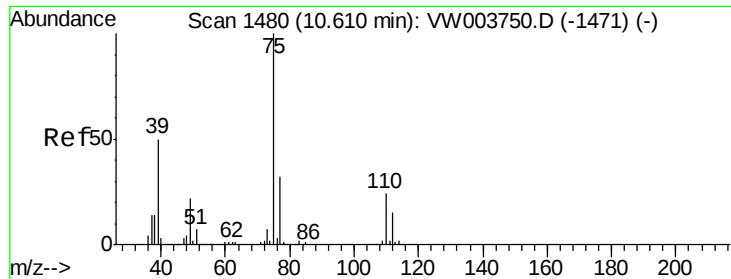
Tgt Ion: 92 Resp: 348740

Ion Ratio Lower Upper

92 100

91 175.9 140.6 211.0





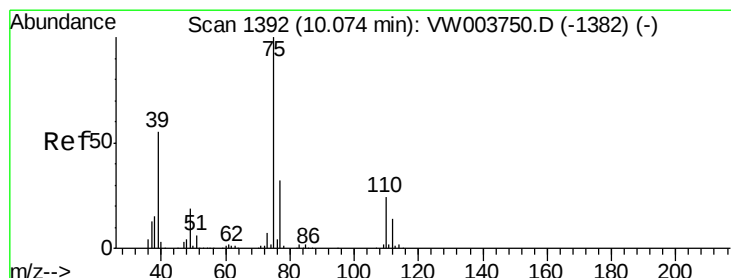
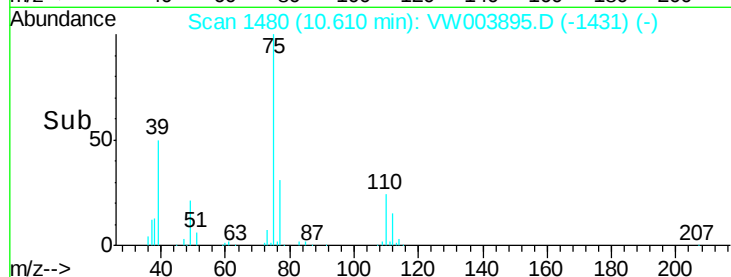
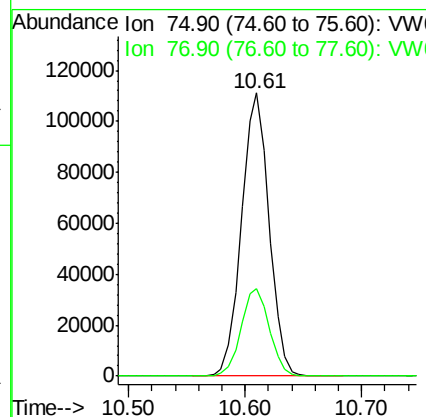
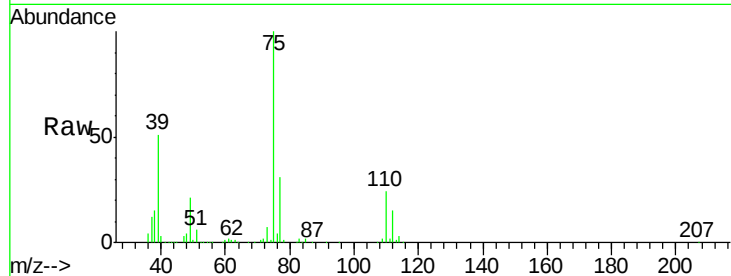
#53
t-1,3-Dichloropropene
Concen: 49.374 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.5	38.3

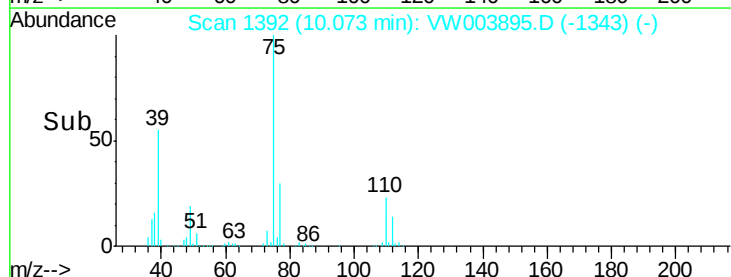
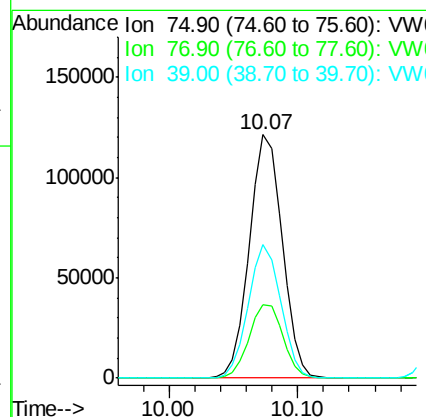
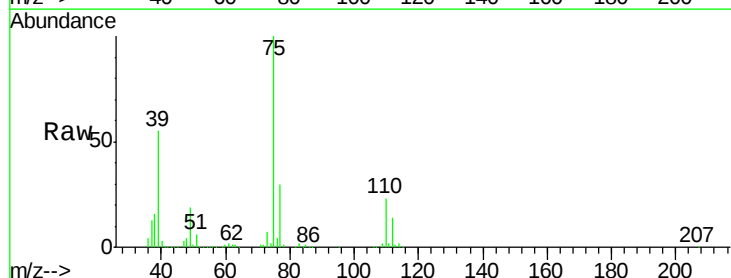
Manual Integrations
APPROVED

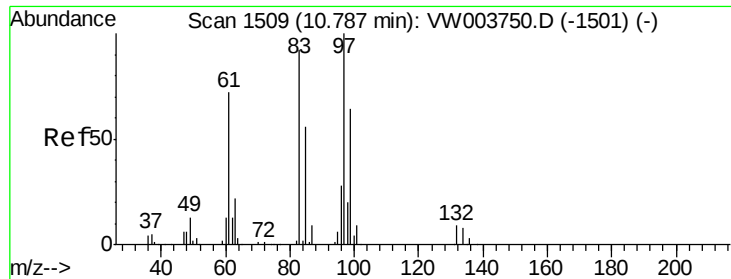
apatel
7/13/2018 9:31:16 AM



#54
cis-1,3-Dichloropropene
Concen: 51.102 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.6	38.4
39	55.0	43.6	65.4





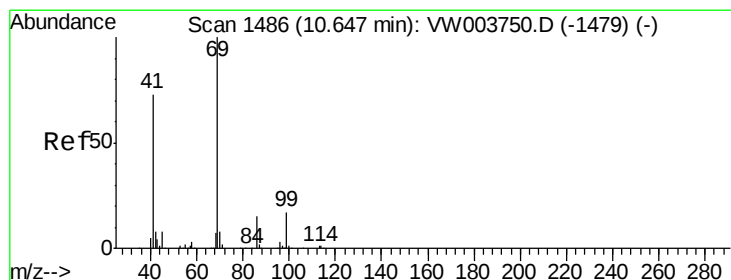
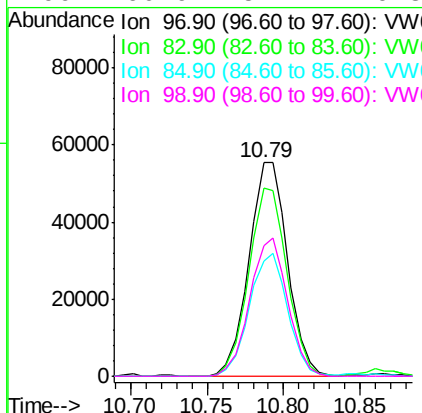
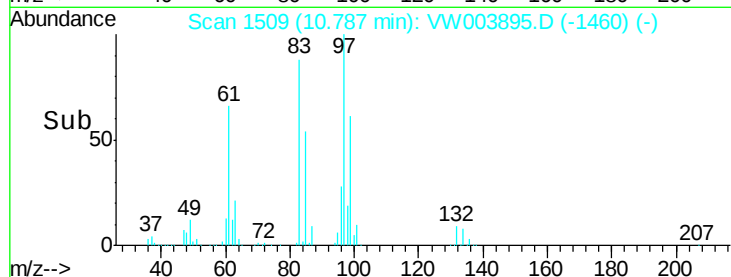
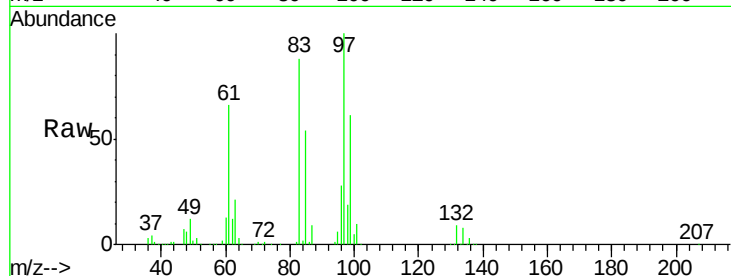
#55
 1,1,2-Trichloroethane
 Concen: 46.497 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VW003895.D
 Acq: 12 Jul 2018 14:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	97603
Ion	Ratio	Lower	Upper
97	100		
83	88.4	73.8	110.6
85	53.7	45.0	67.4
99	60.9	51.2	76.8

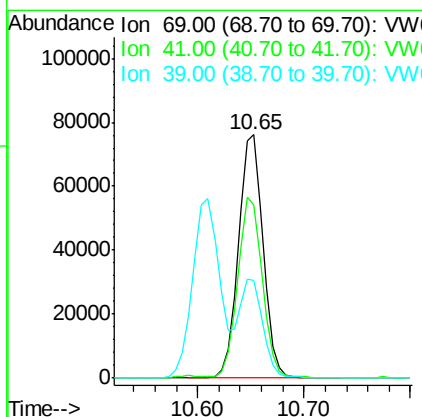
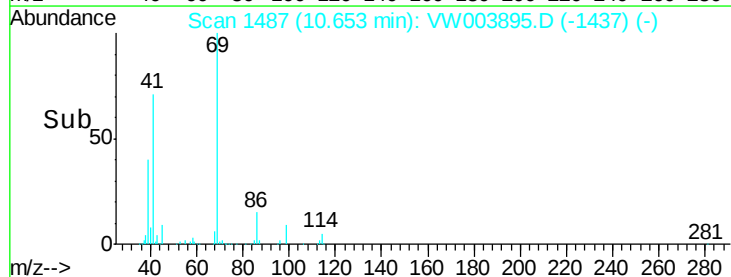
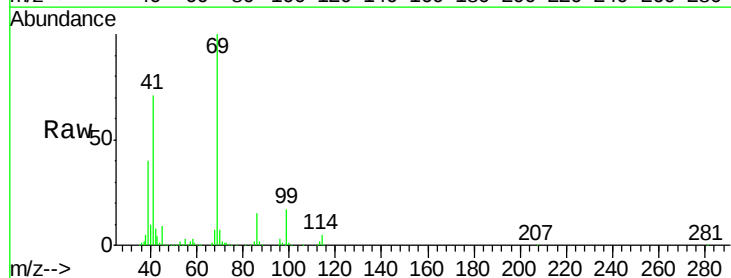
Manual Integrations
 APPROVED

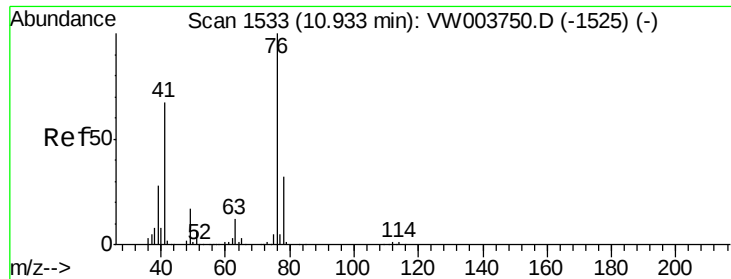
apatel
 7/13/2018 9:31:16 AM



#56
 Ethyl methacrylate
 Concen: 48.382 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VW003895.D
 Acq: 12 Jul 2018 14:04

Tgt Ion:	69	Resp:	123934
Ion	Ratio	Lower	Upper
69	100		
41	73.9	59.0	88.4
39	36.3	32.8	49.2





#57

1,3-Dichloropropane

Concen: 46.595 ug/l

RT: 10.93 min Scan# 1533

Delta R.T. -0.00 min

Lab File: VW003895.D

Acq: 12 Jul 2018 14:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 170477

Ion Ratio Lower Upper

76 100

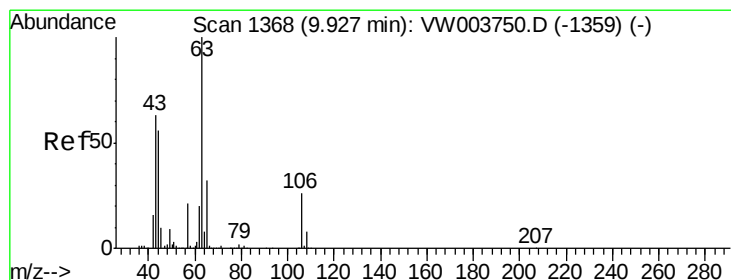
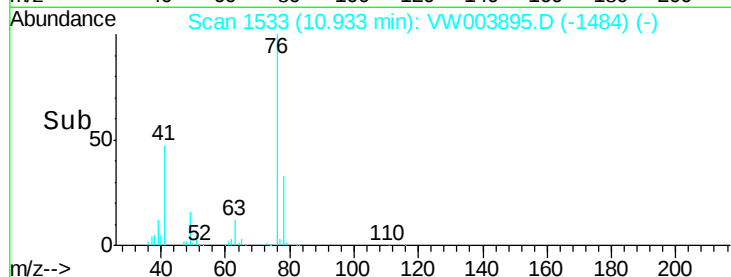
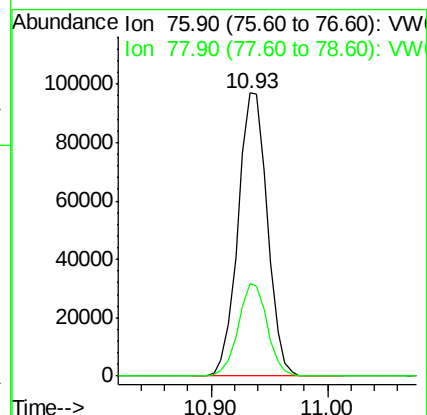
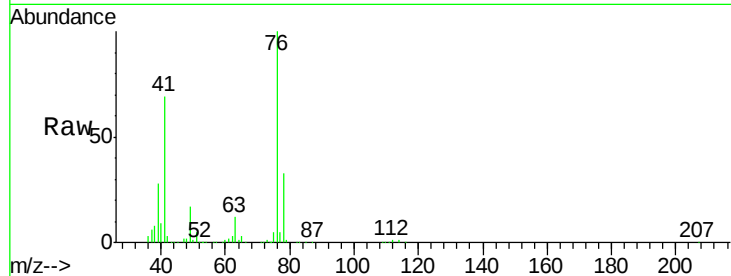
78 32.3 25.6 38.4

Manual Integrations

APPROVED

apatel

7/13/2018 9:31:16 AM



#58

2-Chloroethyl Vinyl ether

Concen: 242.142 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VW003895.D

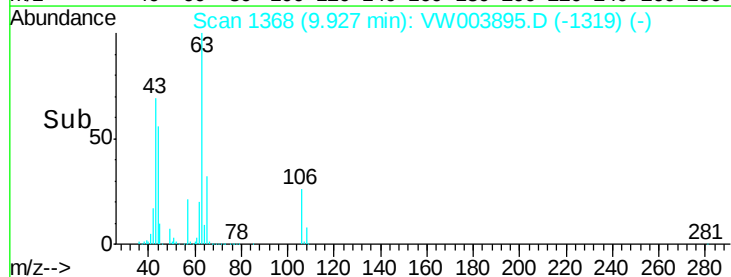
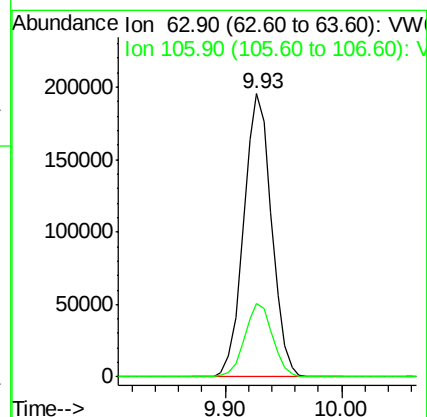
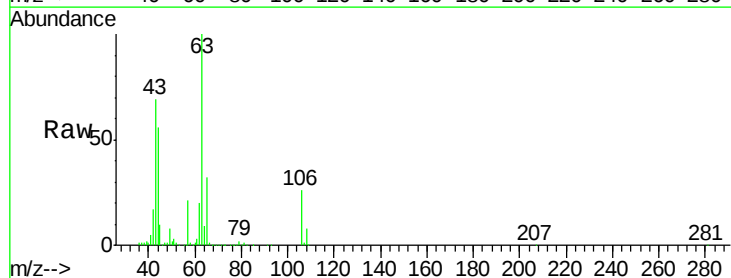
Acq: 12 Jul 2018 14:04

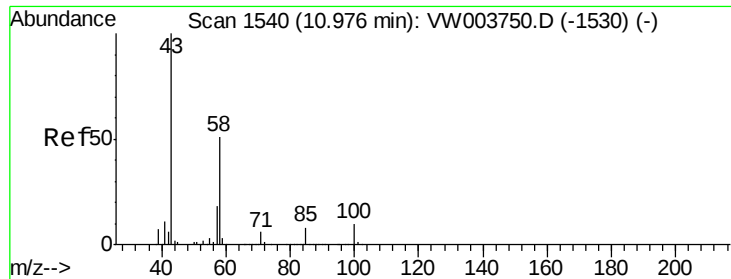
Tgt Ion: 63 Resp: 325993

Ion Ratio Lower Upper

63 100

106 25.9 20.9 31.3





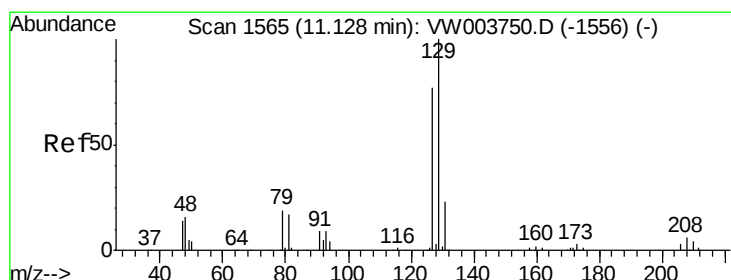
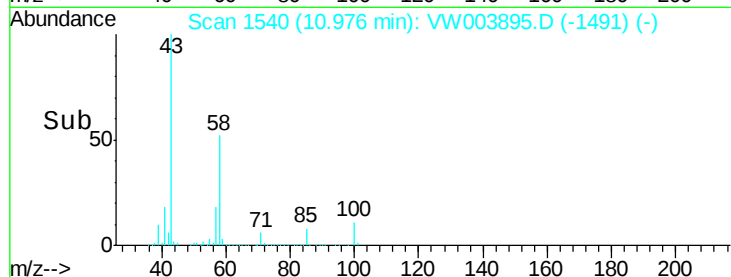
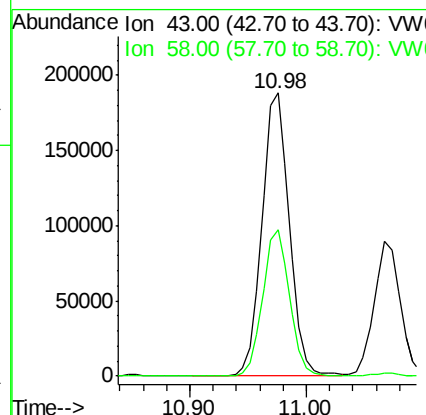
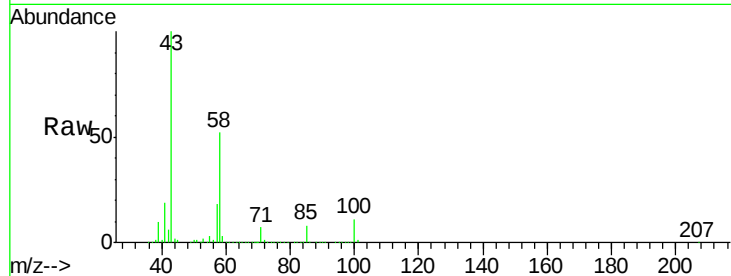
#59
2-Hexanone
Concen: 243.362 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 308370
Ion Ratio Lower Upper
43 100
58 50.9 25.4 76.2

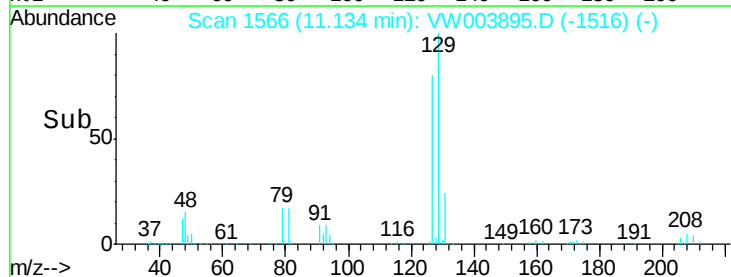
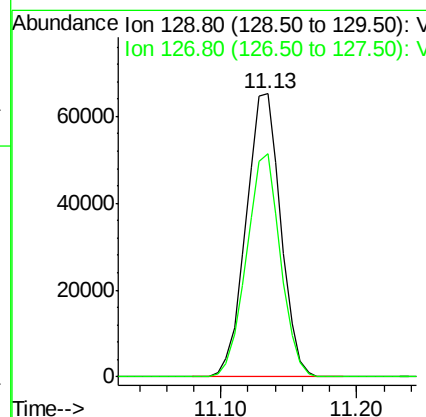
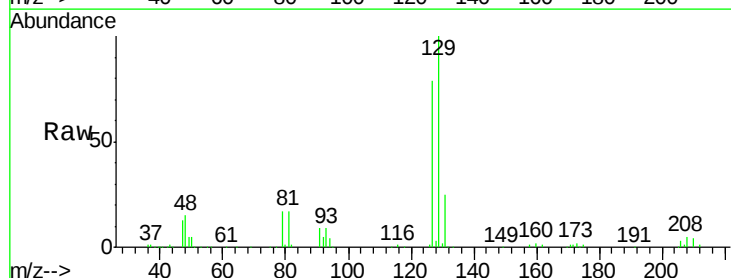
Manual Integrations
APPROVED

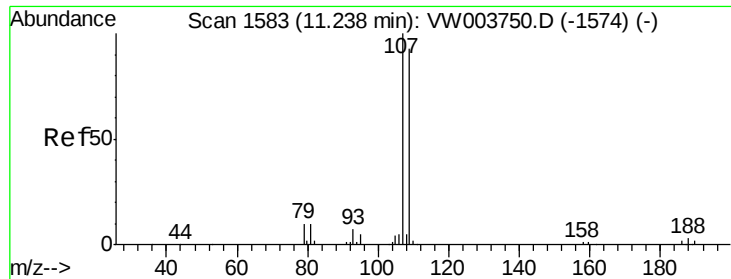
apatel
7/13/2018 9:31:16 AM



#60
Dibromochloromethane
Concen: 47.436 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Tgt Ion:129 Resp: 116236
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.6





#61

1,2-Dibromoethane

Concen: 46.367 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW003895.D

Acq: 12 Jul 2018 14:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 93078

Ion Ratio Lower Upper

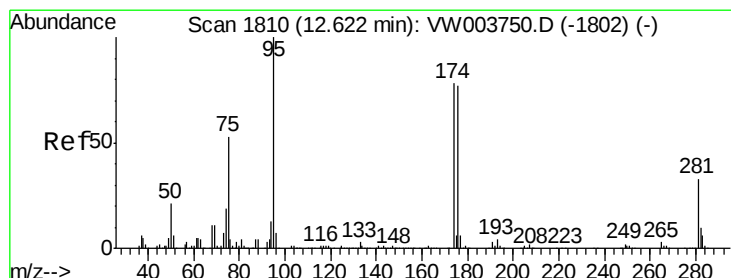
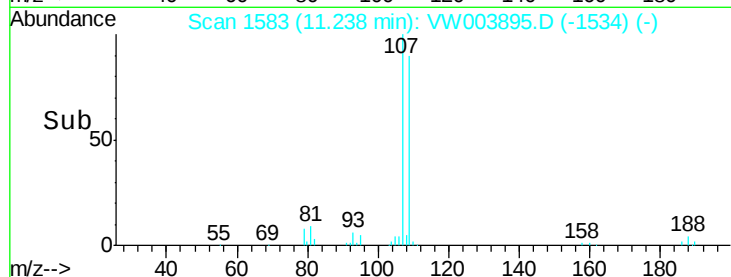
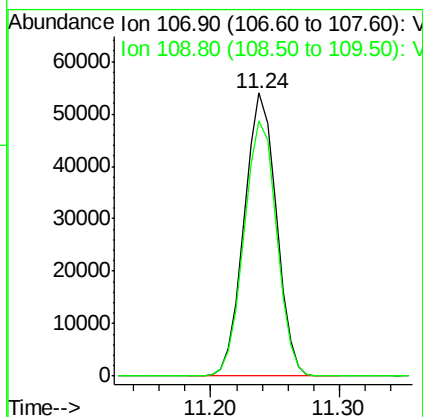
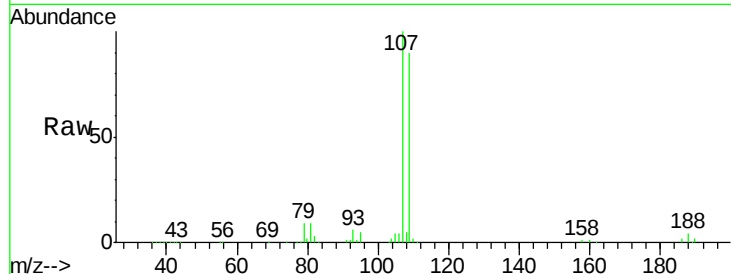
107 100

109 91.6 75.1 112.7

Manual Integrations
APPROVED

apatel

7/13/2018 9:31:16 AM



#62

4-Bromofluorobenzene

Concen: 46.443 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003895.D

Acq: 12 Jul 2018 14:04

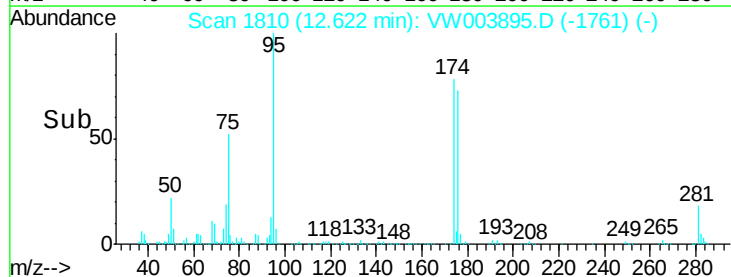
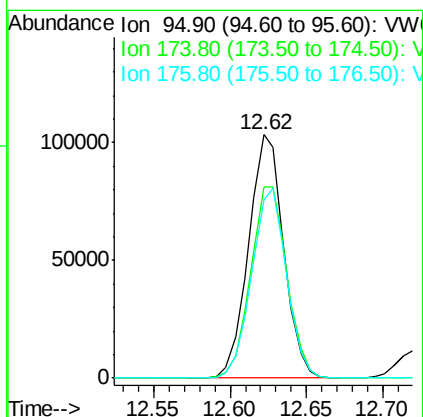
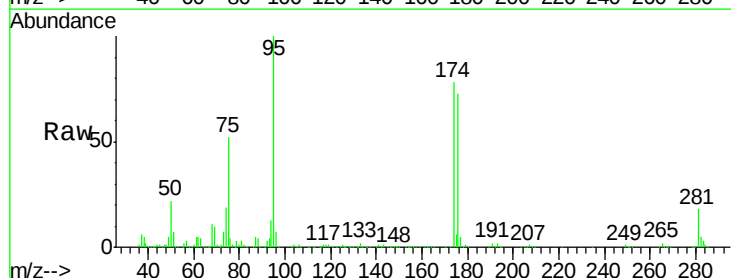
Tgt Ion: 95 Resp: 163952

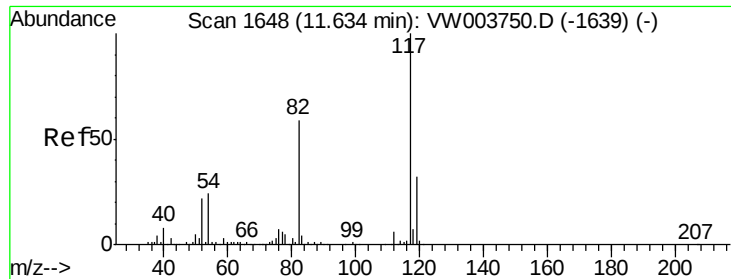
Ion Ratio Lower Upper

95 100

174 81.7 0.0 163.4

176 77.9 0.0 156.8





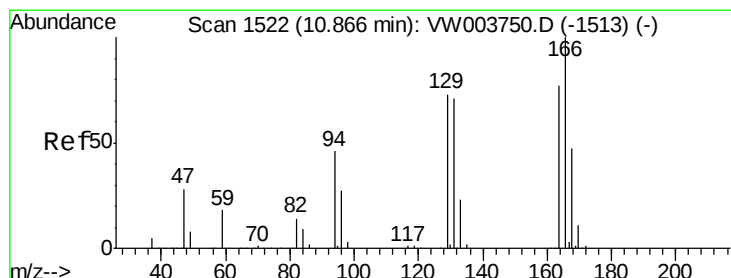
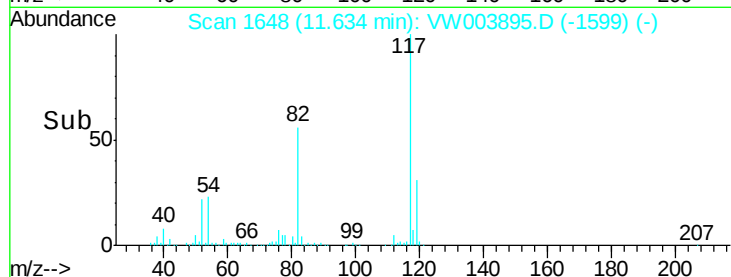
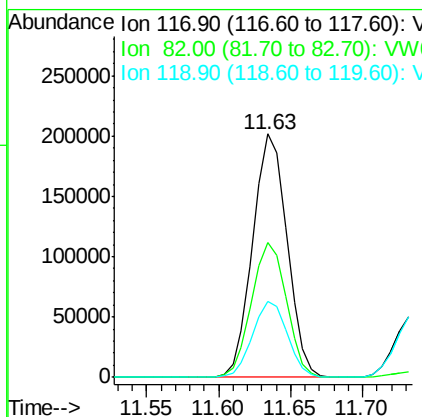
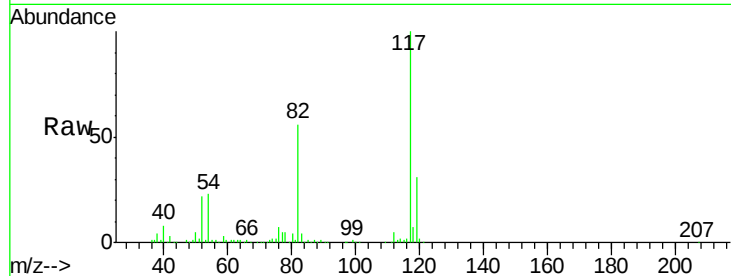
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	46.9	70.3
119	31.4	25.5	38.3

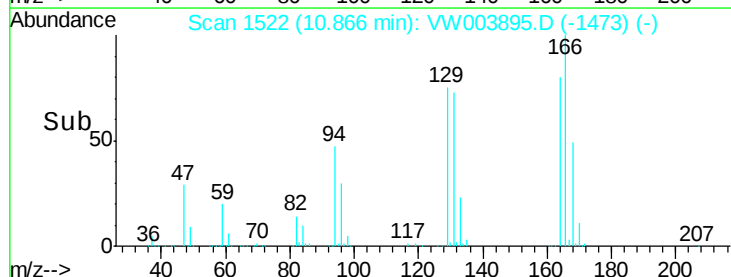
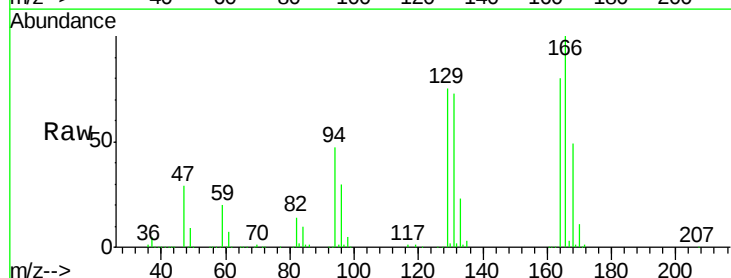
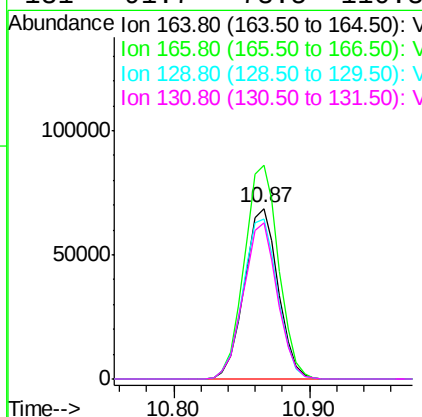
Manual Integrations
APPROVED

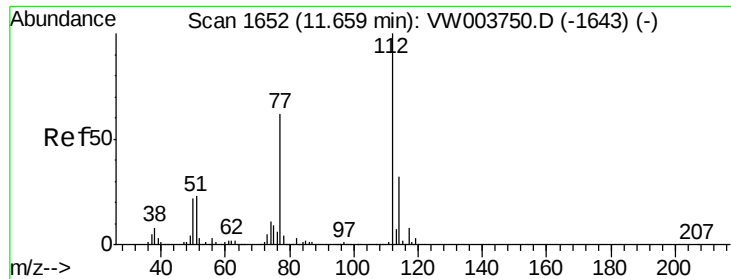
apatel
7/13/2018 9:31:16 AM



#64
Tetrachloroethene
Concen: 48.432 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	104.2	156.4
129	93.5	75.8	113.8
131	91.7	73.5	110.3





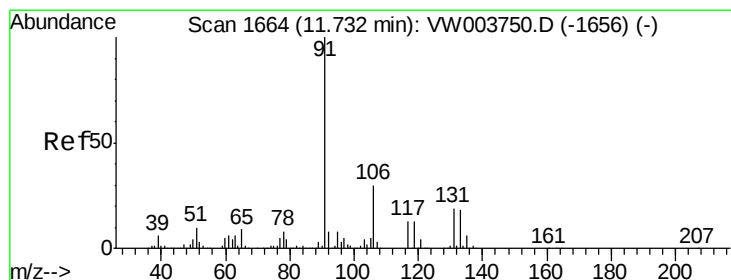
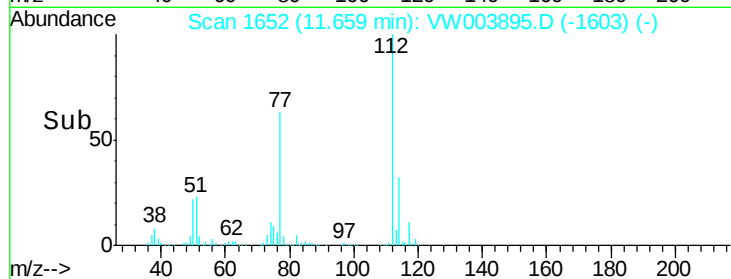
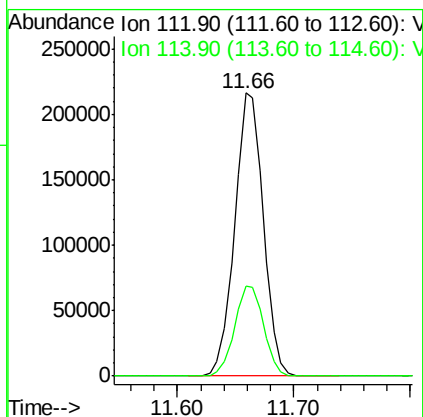
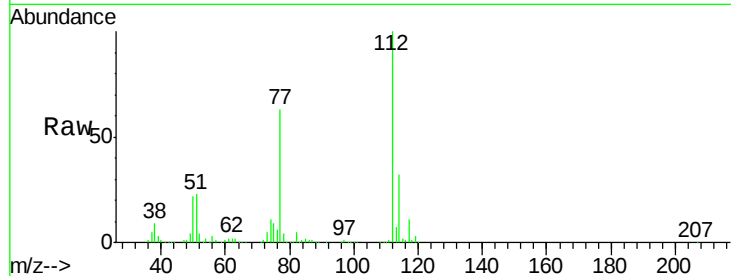
#65
Chlorobenzene
Concen: 50.123 ug/l
RT: 11.66 min Scan# 1652
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.0	39.0

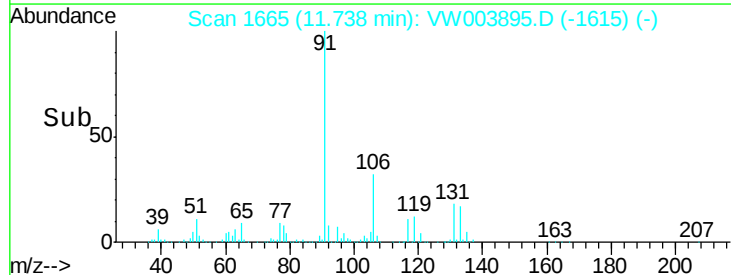
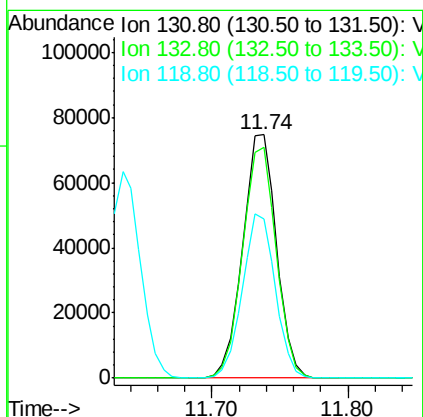
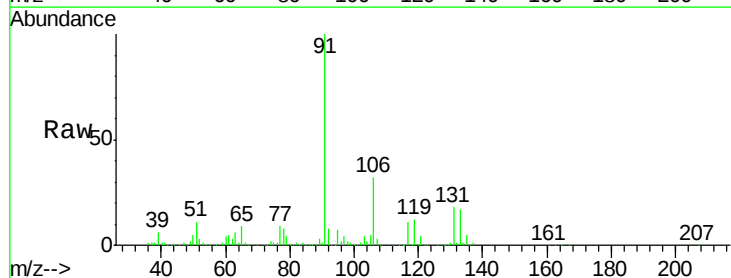
Manual Integrations
APPROVED

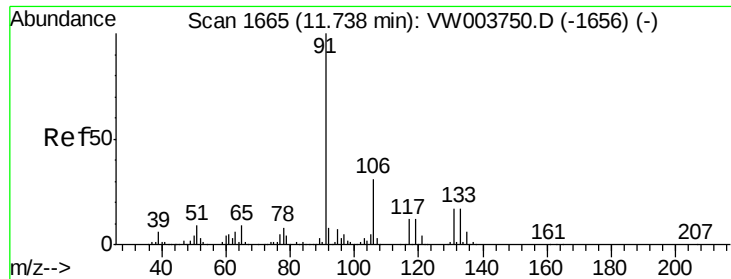
apatel
7/13/2018 9:31:16 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.626 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.01 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	48.0	144.2
119	65.5	33.2	99.6





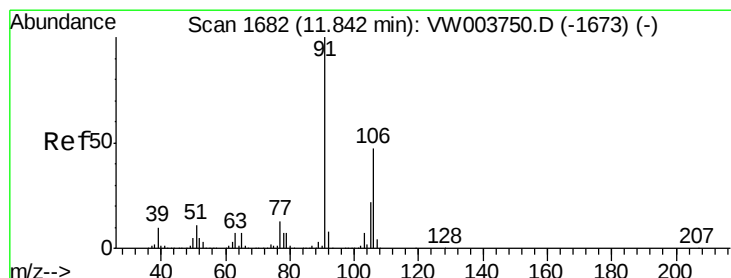
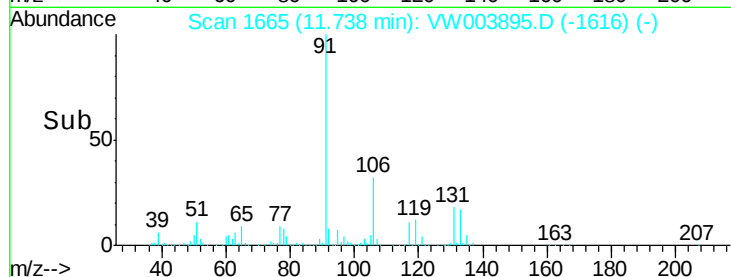
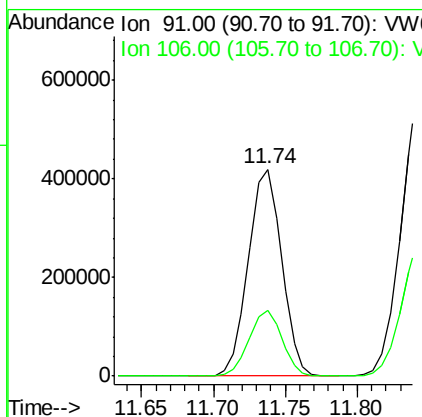
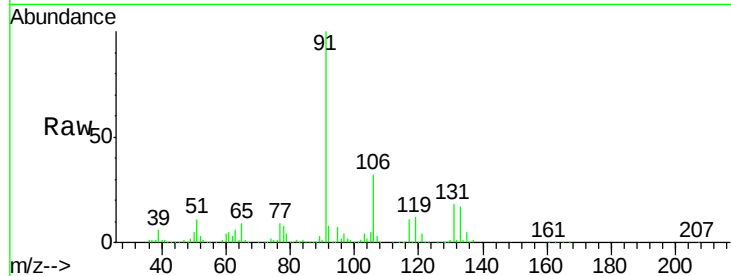
#67
Ethyl Benzene
Concen: 53.621 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 674231
Ion Ratio Lower Upper
91 100
106 31.7 24.6 37.0

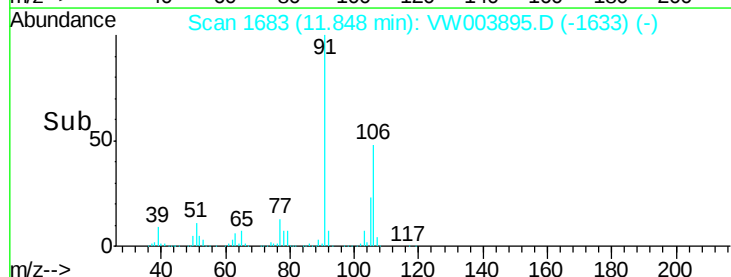
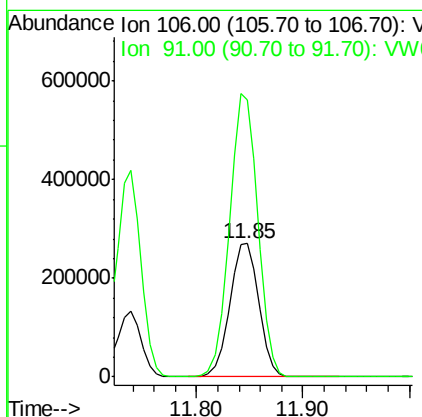
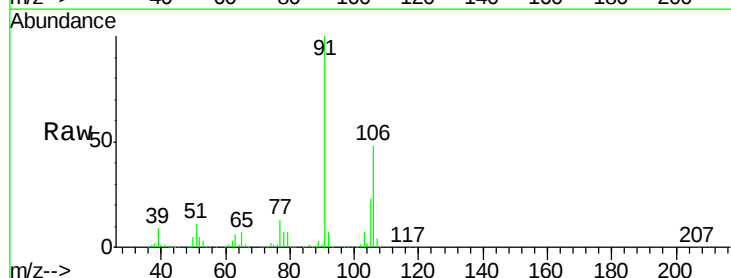
Manual Integrations
APPROVED

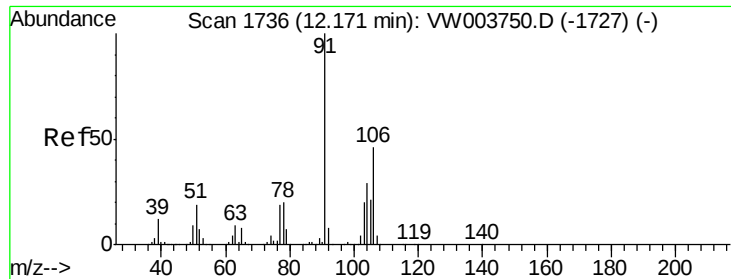
apatel
7/13/2018 9:31:16 AM



#68
m/p-Xylenes
Concen: 106.801 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Tgt Ion: 106 Resp: 514244
Ion Ratio Lower Upper
106 100
91 207.1 164.3 246.5





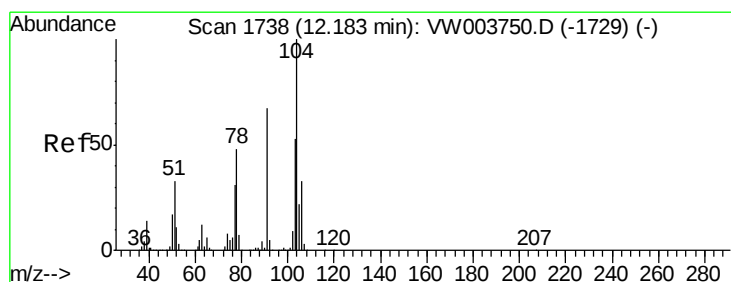
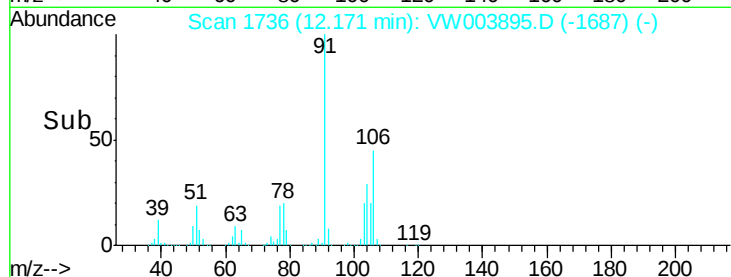
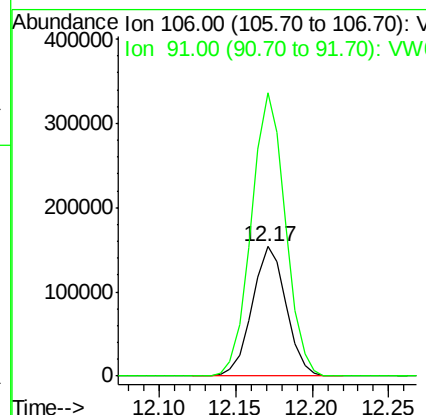
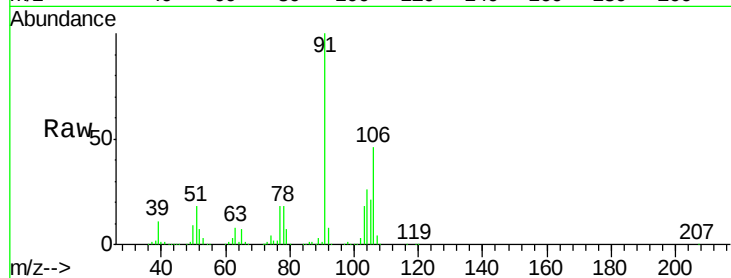
#69
o-Xylene
Concen: 53.463 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	237533		
91	91	219.0	109.1	327.2	

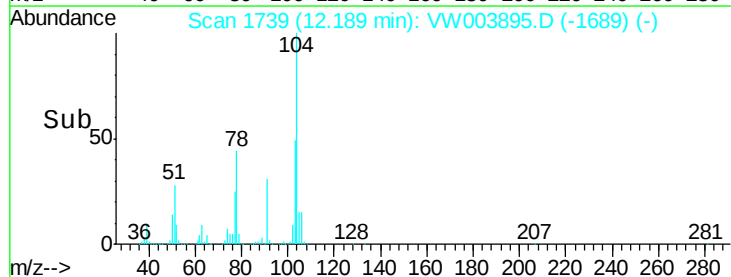
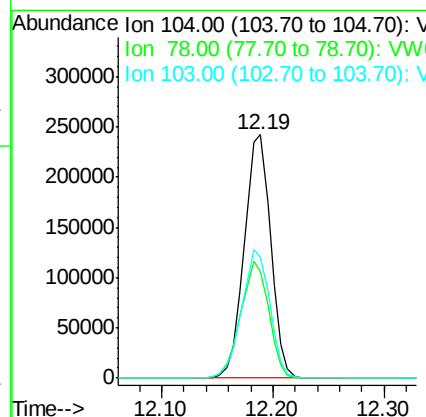
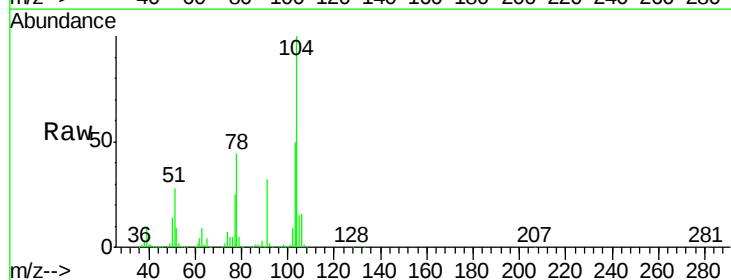
Manual Integrations
APPROVED

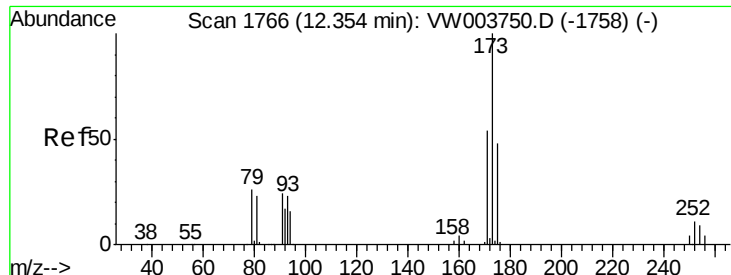
apatel
7/13/2018 9:31:16 AM



#70
Styrene
Concen: 52.815 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	399025		
78	78	51.4	41.1	61.7	
103	103	56.2	44.6	67.0	





#71

Bromoform

Concen: 48.252 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW003895.D

Acq: 12 Jul 2018 14:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 68428

Ion Ratio Lower Upper

173 100

175 49.2 24.1 72.4

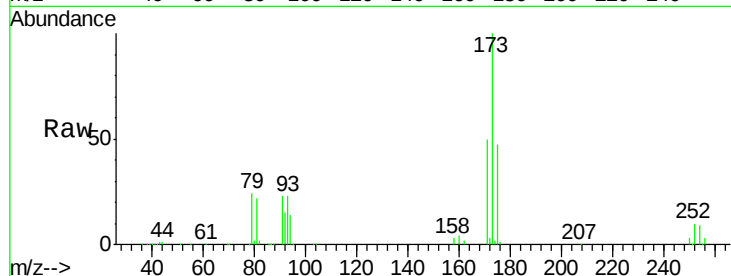
254 0.1 0.0 0.0#

Manual Integrations

APPROVED

apatel

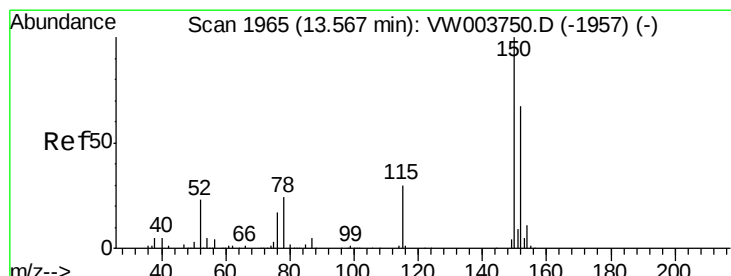
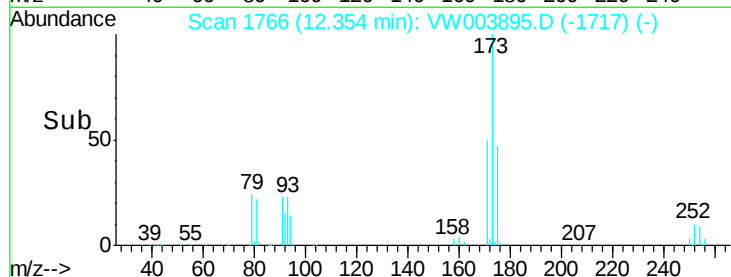
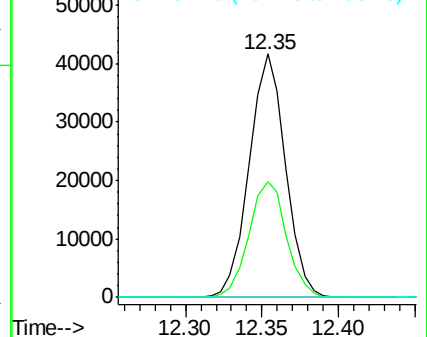
7/13/2018 9:31:16 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW003895.D

Acq: 12 Jul 2018 14:04

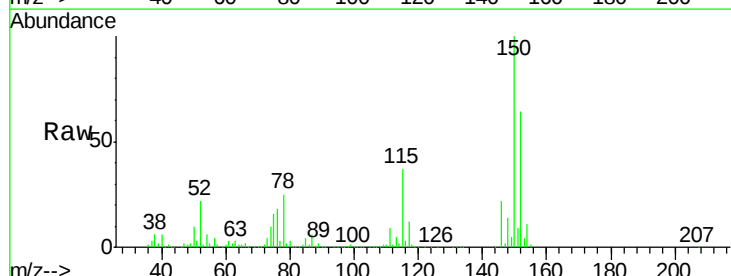
Tgt Ion:152 Resp: 174063

Ion Ratio Lower Upper

152 100

115 58.5 28.9 86.8

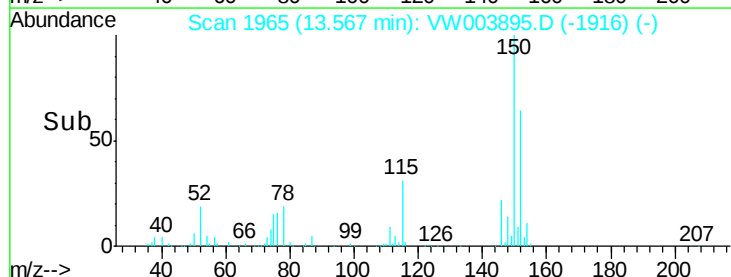
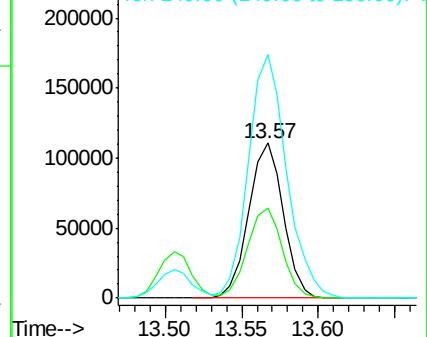
150 173.9 0.0 342.4

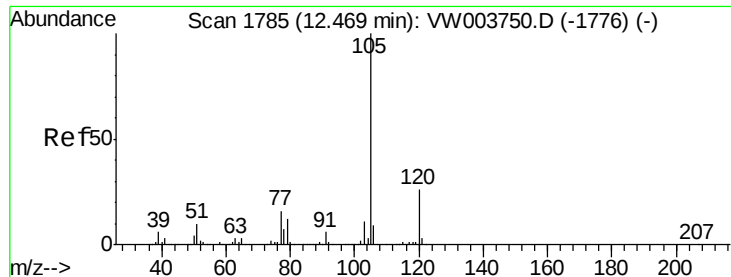


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





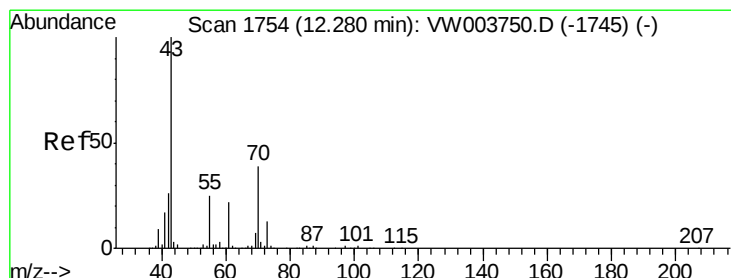
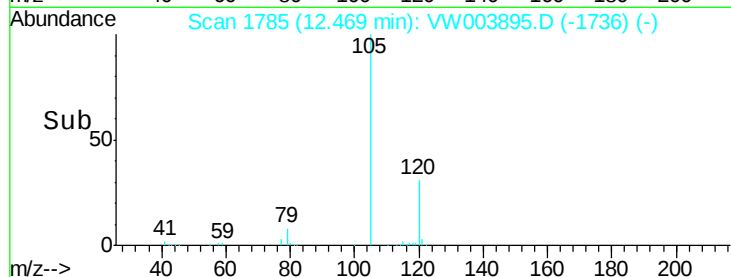
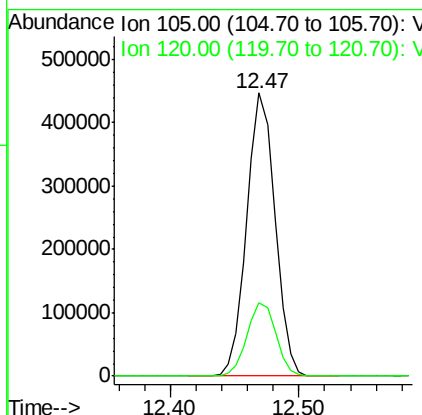
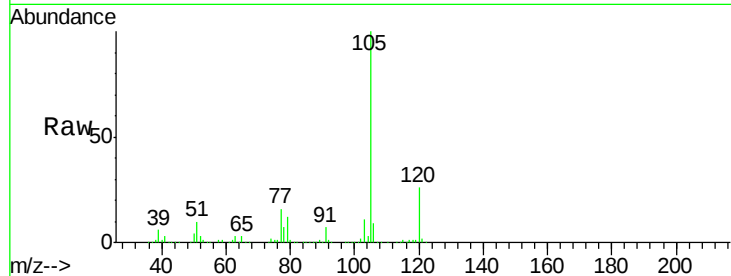
#73
Isopropylbenzene
Concen: 57.597 ug/l
RT: 12.47 min Scan# 1785
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.1	39.3

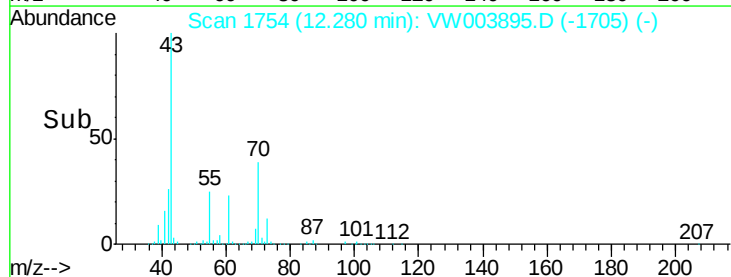
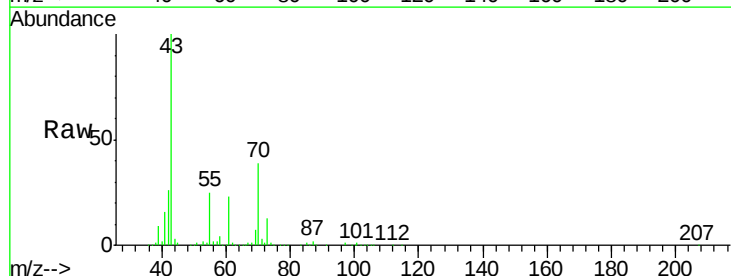
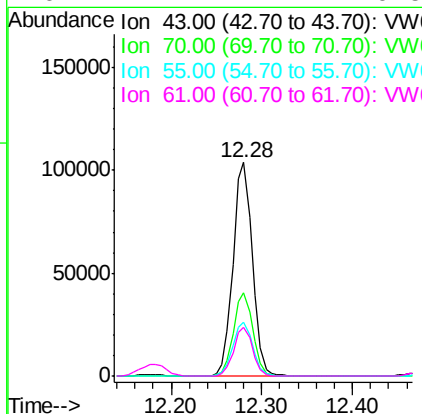
Manual Integrations
APPROVED

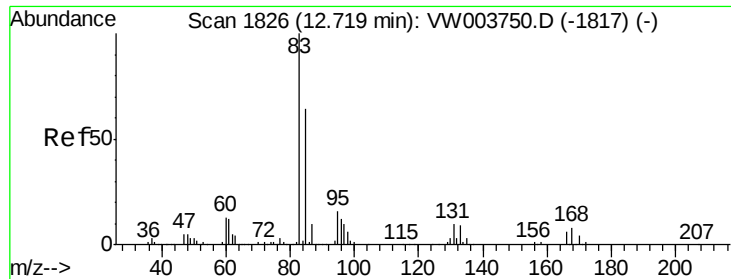
apatel
7/13/2018 9:31:16 AM



#74
N-ethyl acetate
Concen: 48.237 ug/l
RT: 12.28 min Scan# 1754
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.1	31.3	46.9
55	25.7	20.1	30.1
61	22.4	17.7	26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 47.819 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003895.D

Acq: 12 Jul 2018 14:04

Instrument :

MSVOA_W

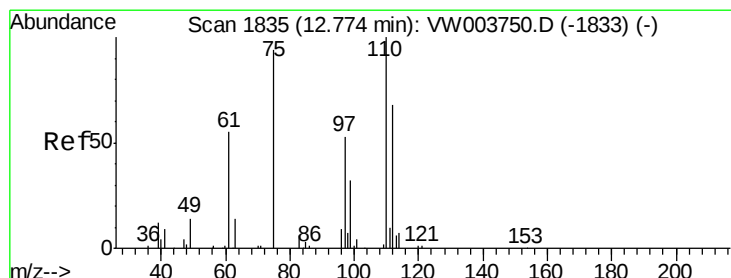
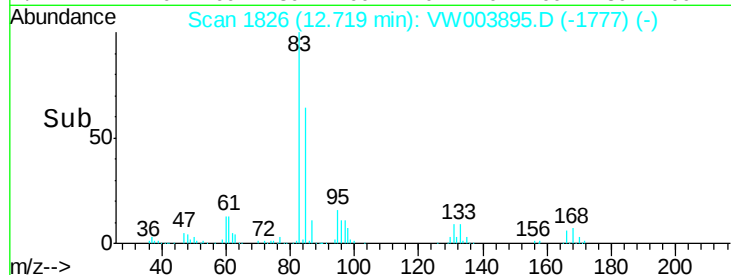
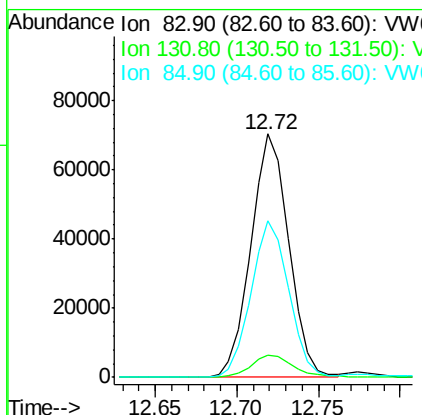
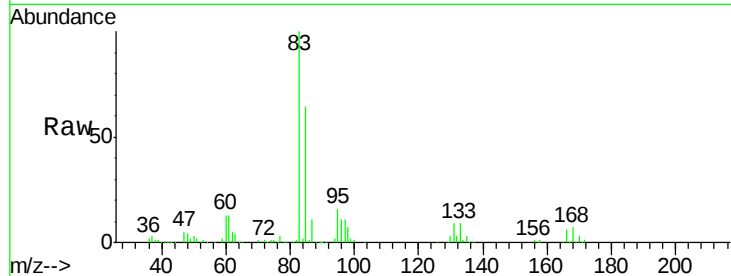
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	114272
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.4
85	64.1	32.1	96.3

Manual Integrations
APPROVED

apatel
7/13/2018 9:31:16 AM



#76

1,2,3-Trichloropropane

Concen: 44.249 ug/l m

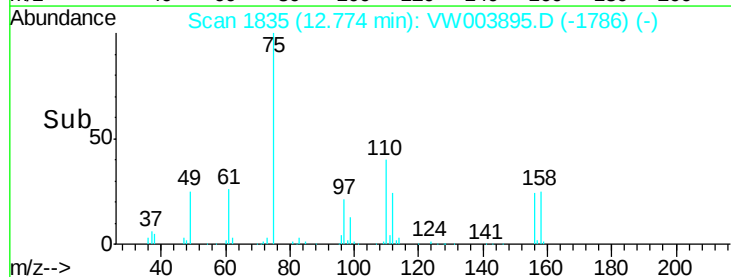
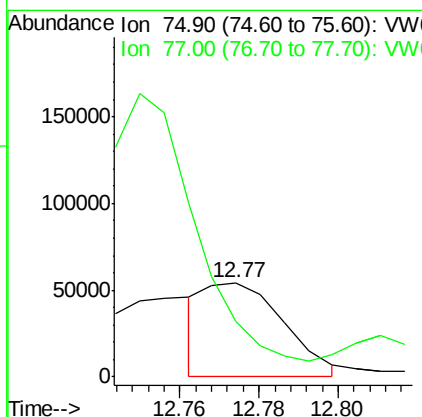
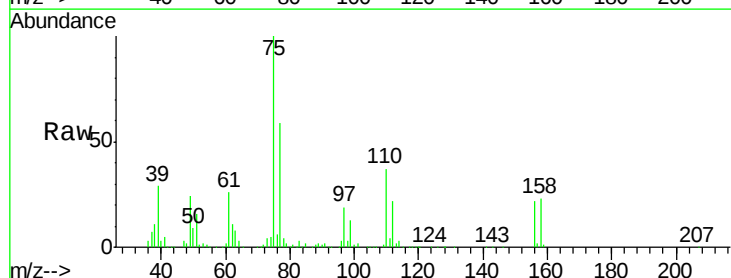
RT: 12.77 min Scan# 1835

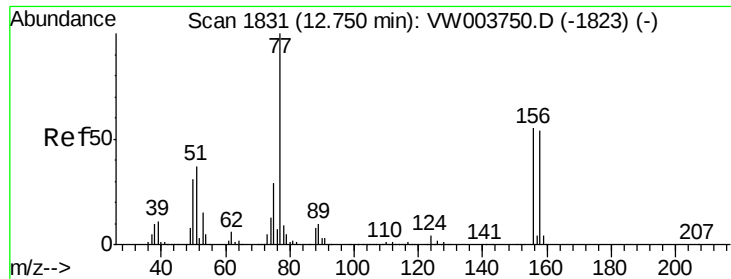
Delta R.T. -0.00 min

Lab File: VW003895.D

Acq: 12 Jul 2018 14:04

Tgt Ion:	75	Resp:	75633
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.992 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VW003895.D

Acq: 12 Jul 2018 14:04

Instrument :

MSVOA_W

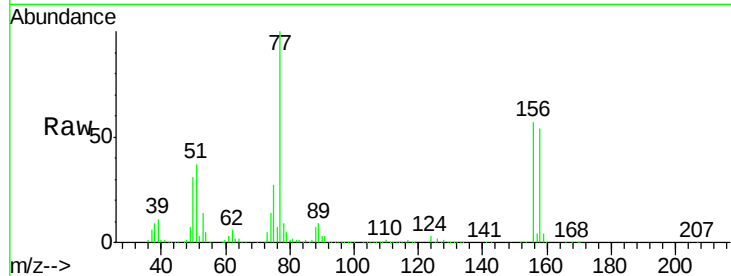
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	192.4	98.7	296.0
158	96.9	49.0	147.0

Manual Integrations
APPROVED

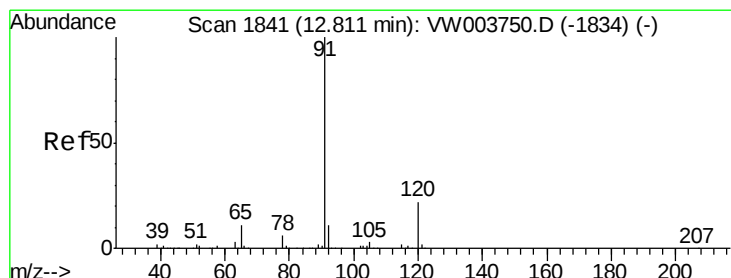
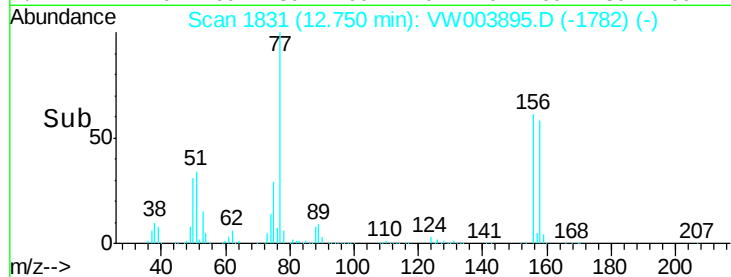
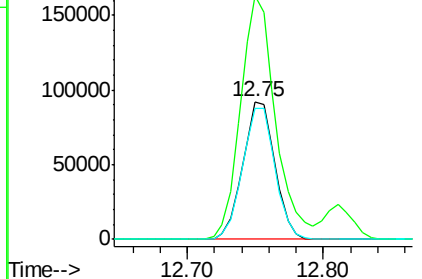
apatel
7/13/2018 9:31:16 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 57.596 ug/l

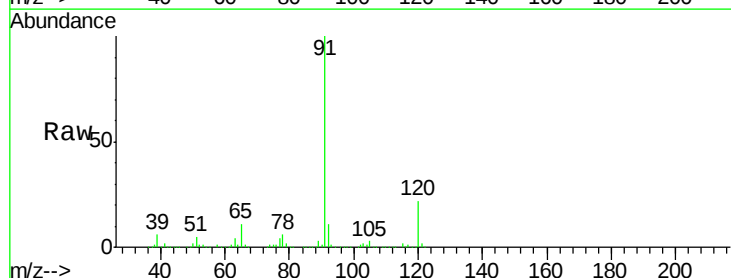
RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW003895.D

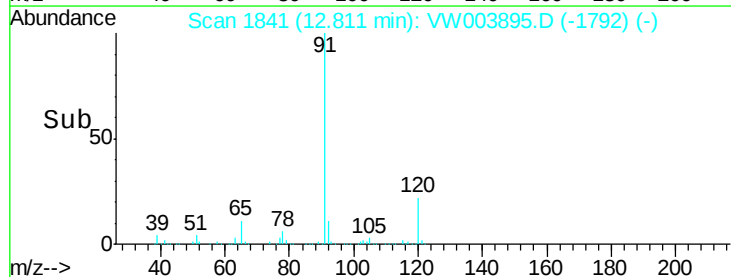
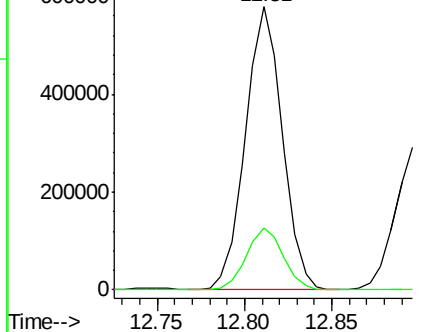
Acq: 12 Jul 2018 14:04

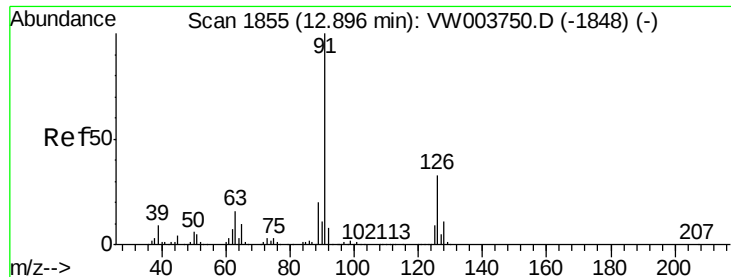
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.2	33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.269 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW003895.D

Acq: 12 Jul 2018 14:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 469860

Ion Ratio Lower Upper

91 100

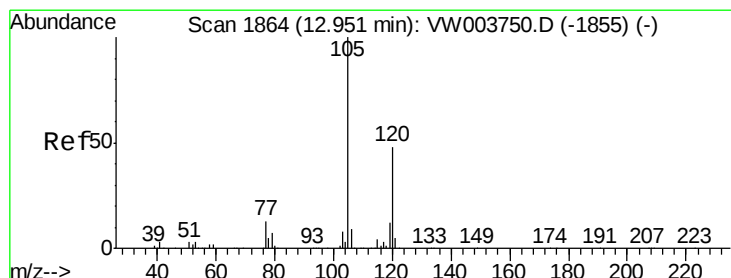
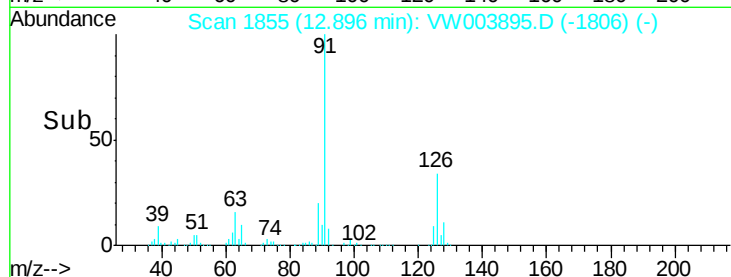
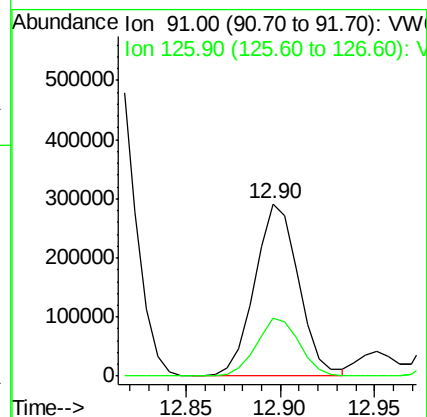
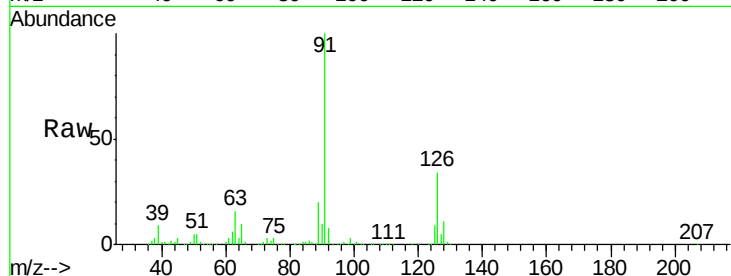
126 33.0 17.0 51.0

Manual Integrations

APPROVED

apatel

7/13/2018 9:31:16 AM



#80

1,3,5-Trimethylbenzene

Concen: 56.649 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW003895.D

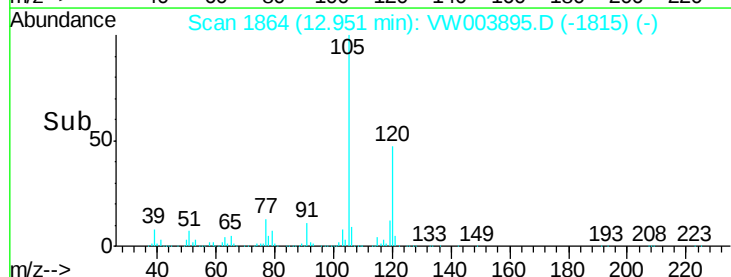
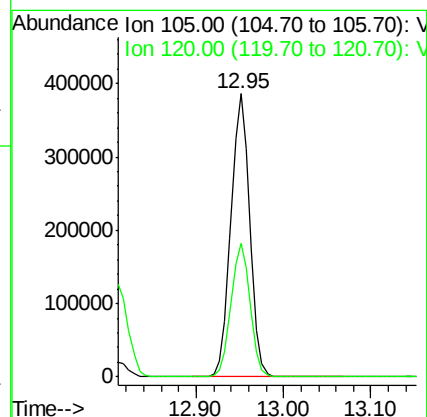
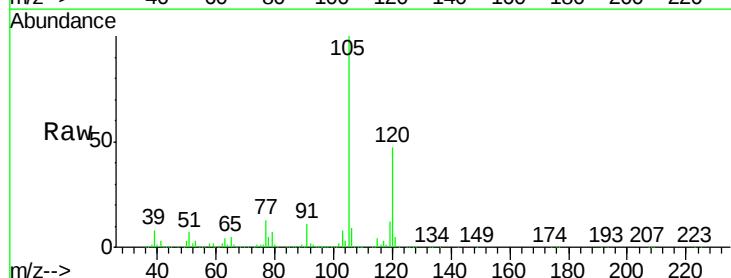
Acq: 12 Jul 2018 14:04

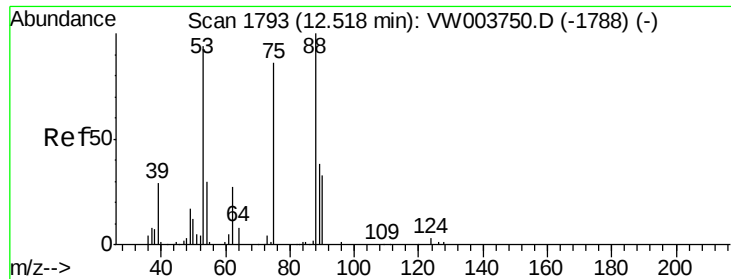
Tgt Ion: 105 Resp: 575551

Ion Ratio Lower Upper

105 100

120 47.7 24.2 72.6





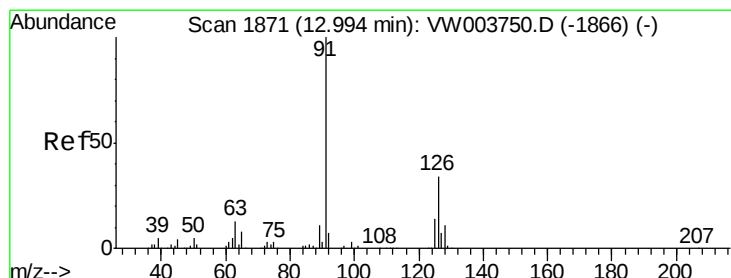
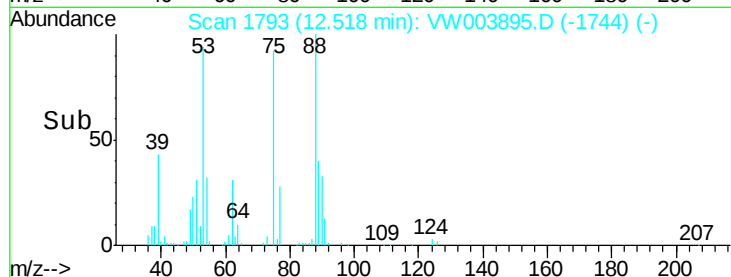
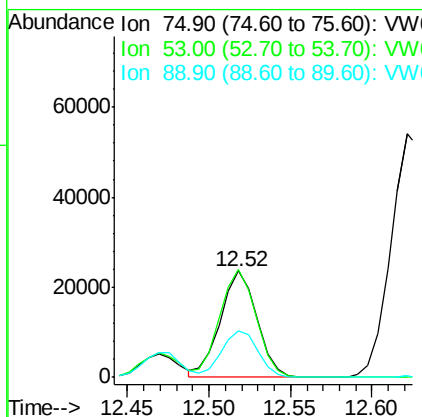
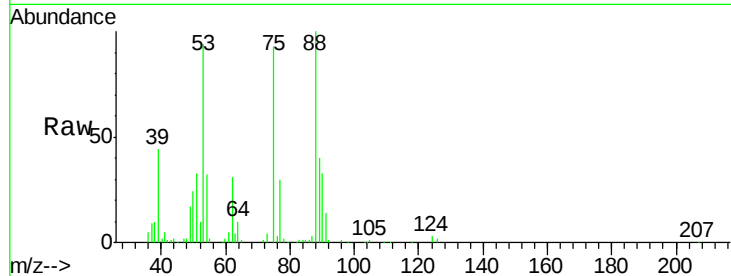
#81
trans-1,4-Dichloro-2-butene
Concen: 52.853 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.3	85.0	127.6
89	43.4	36.3	54.5

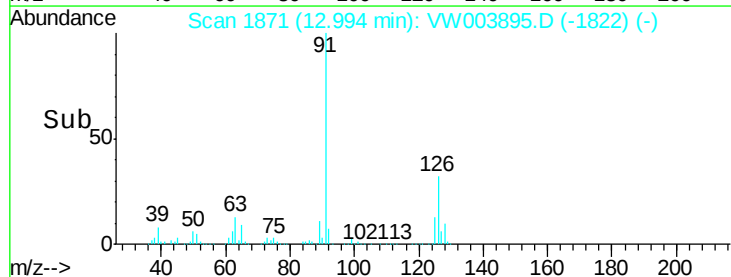
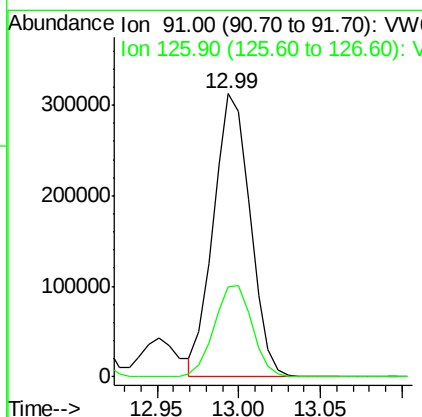
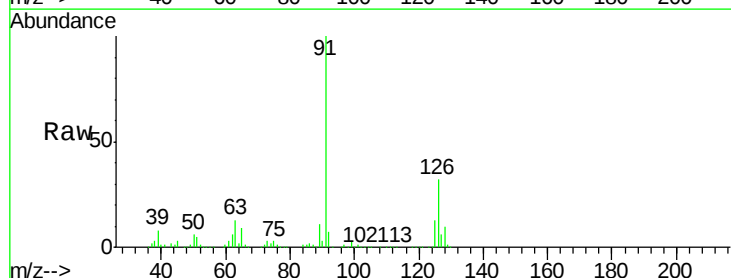
Manual Integrations
APPROVED

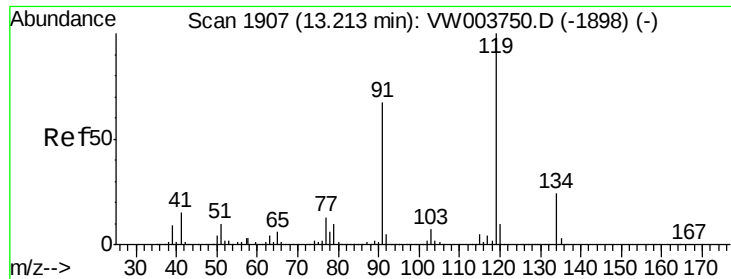
apatel
7/13/2018 9:31:16 AM



#82
4-Chlorotoluene
Concen: 53.566 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.5	49.5





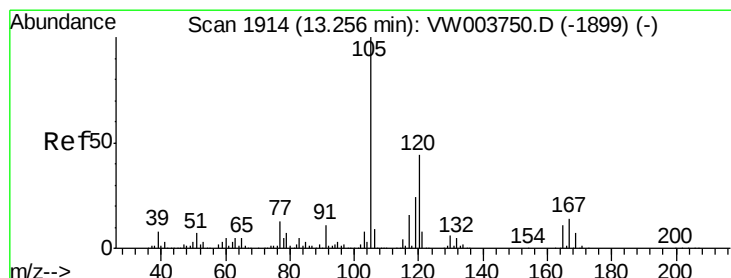
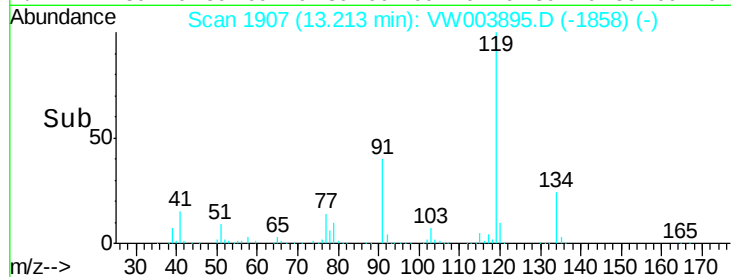
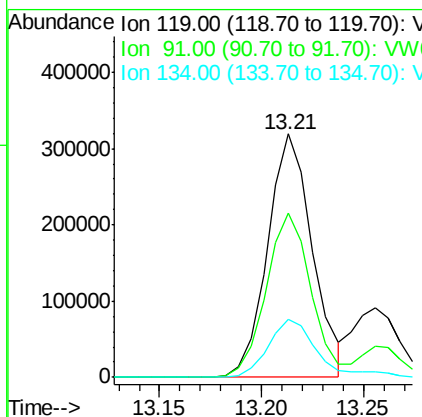
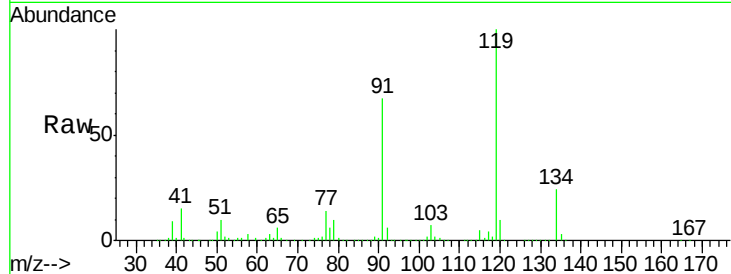
#83
tert-Butylbenzene
Concen: 58.225 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.3	33.0	98.9
134	26.3	12.8	38.4

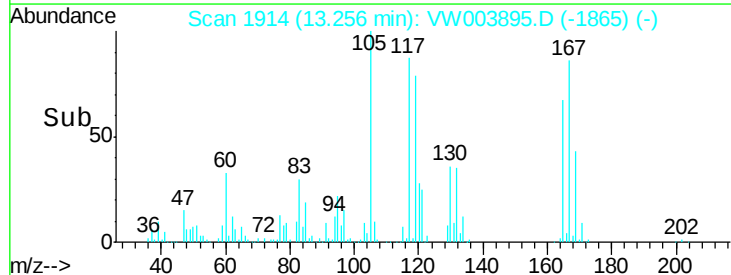
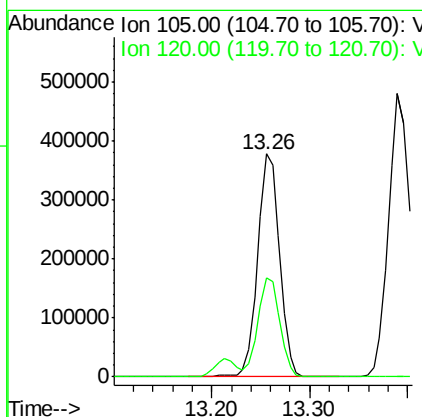
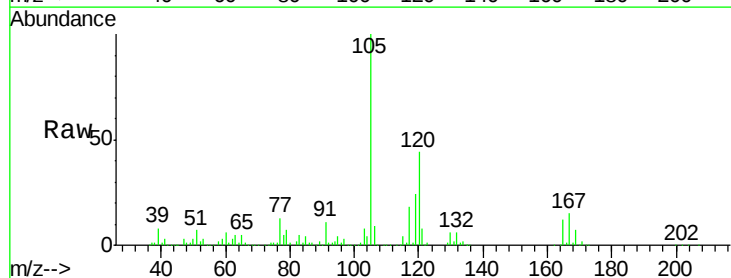
Manual Integrations
APPROVED

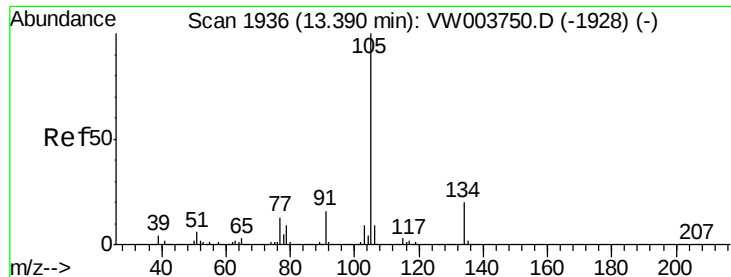
apatel
7/13/2018 9:31:16 AM



#84
1,2,4-Trimethylbenzene
Concen: 55.702 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.0	66.0





#85

sec-Butylbenzene

Concen: 58.032 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VW003895.D

Acq: 12 Jul 2018 14:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 727402

Ion Ratio Lower Upper

105 100

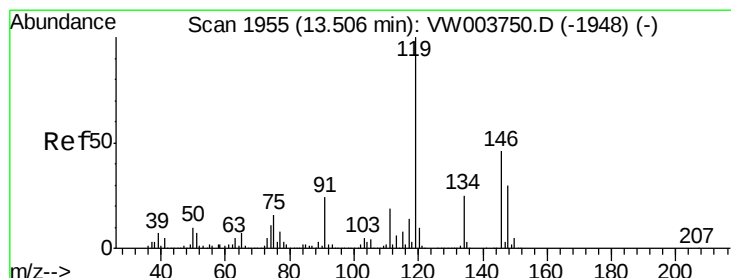
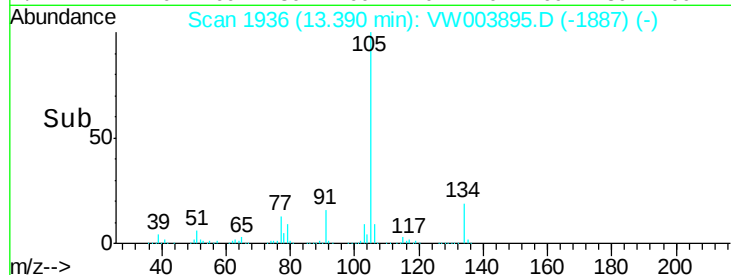
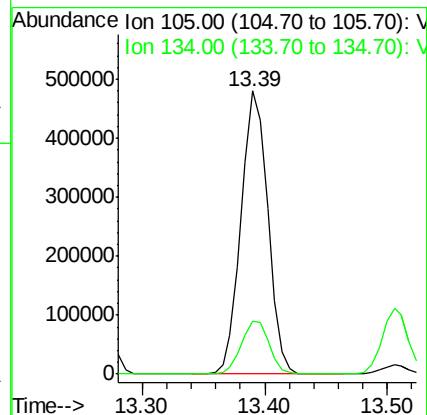
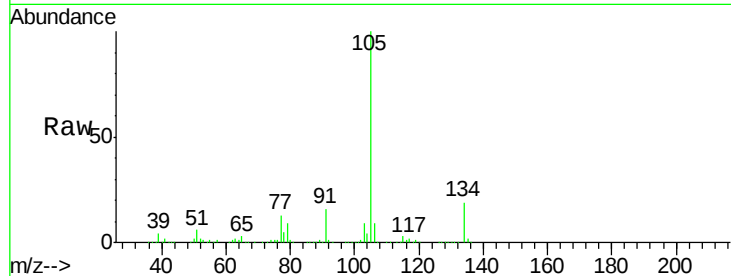
134 19.4 9.8 29.4

Manual Integrations

APPROVED

apatel

7/13/2018 9:31:16 AM



#86

p-Isopropyltoluene

Concen: 57.820 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW003895.D

Acq: 12 Jul 2018 14:04

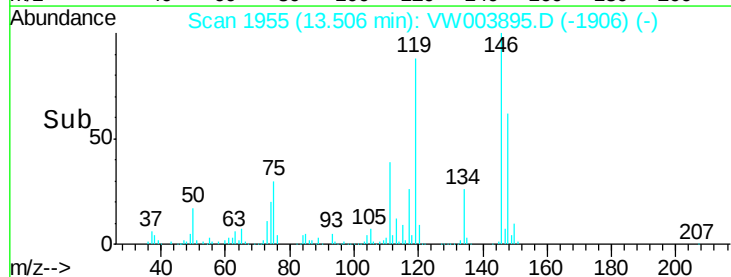
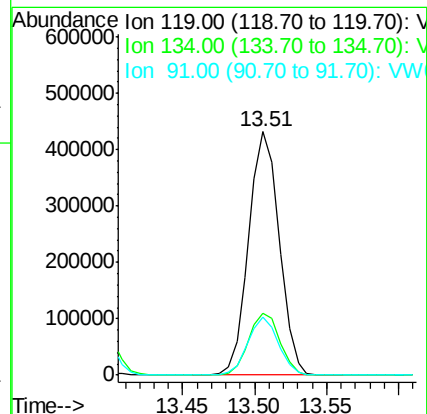
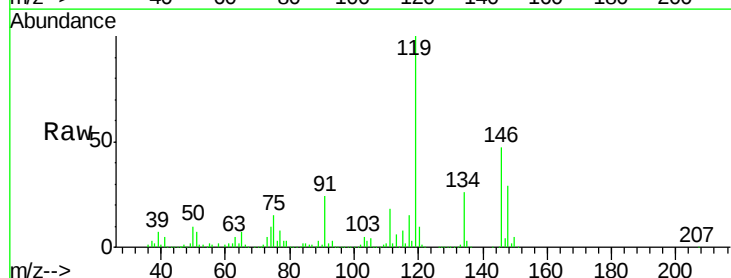
Tgt Ion:119 Resp: 633286

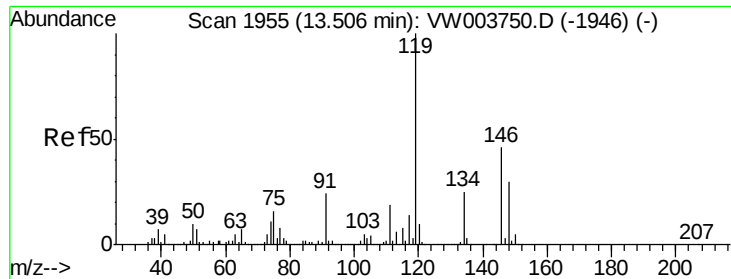
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.1

91 23.5 11.9 35.9





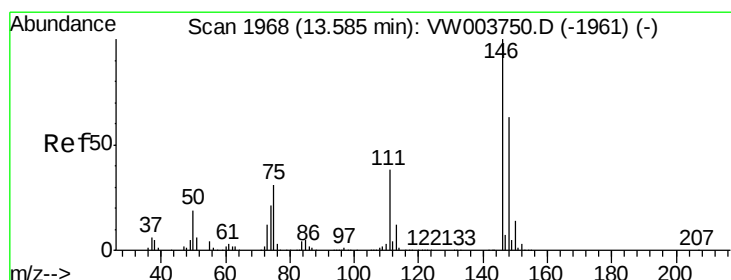
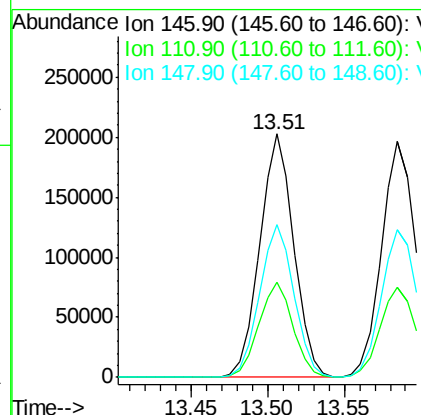
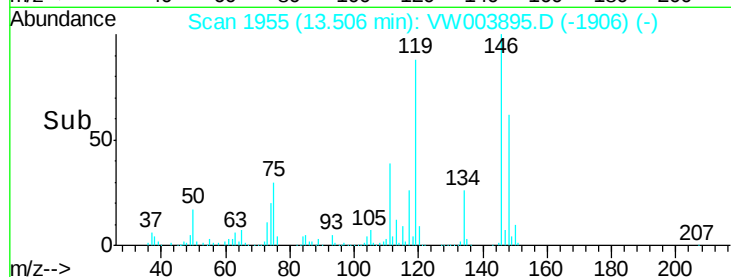
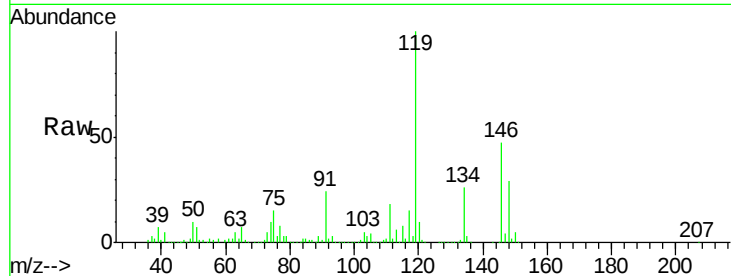
#87
 1,3-Dichlorobenzene
 Concen: 52.894 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003895.D
 Acq: 12 Jul 2018 14:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	313619		
111	39.2	20.2	60.5	
148	63.3	31.9	95.7	

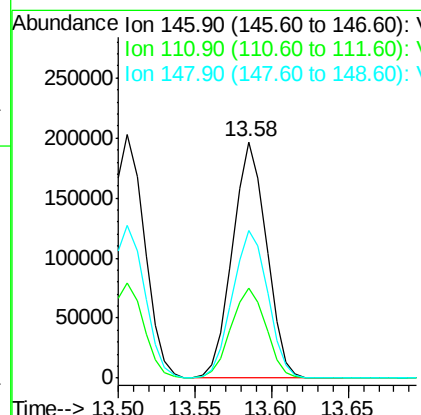
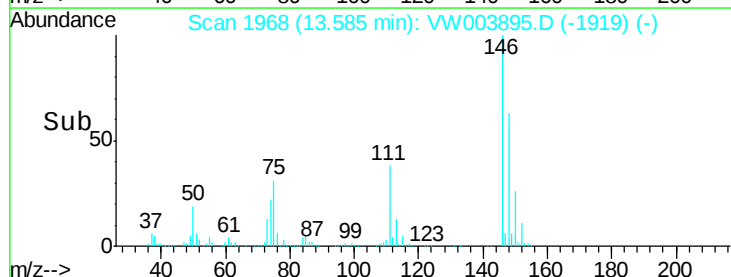
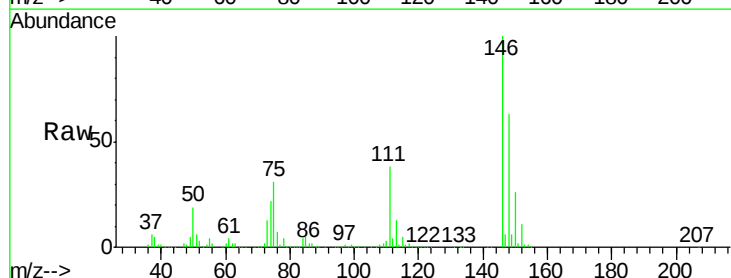
Manual Integrations
 APPROVED

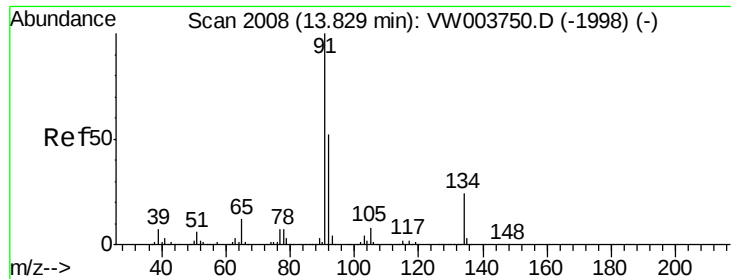
apatel
 7/13/2018 9:31:16 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.107 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW003895.D
 Acq: 12 Jul 2018 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	304719		
111	39.2	19.4	58.4	
148	64.7	31.9	95.7	





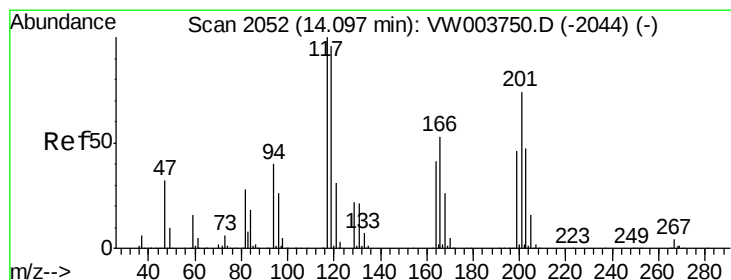
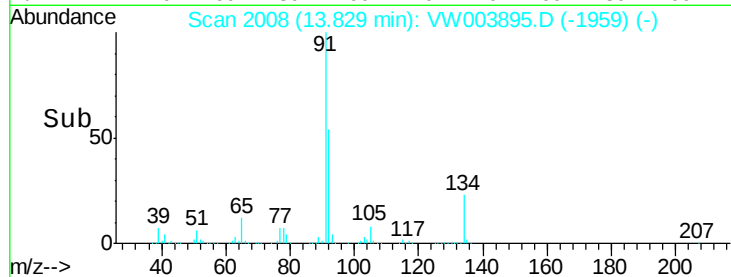
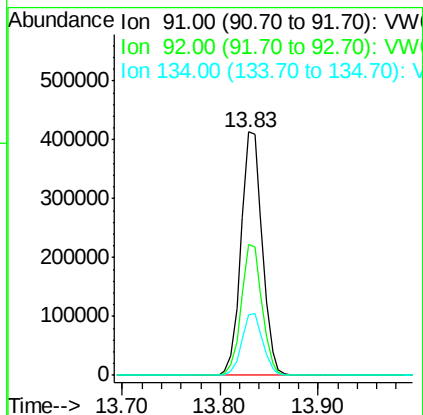
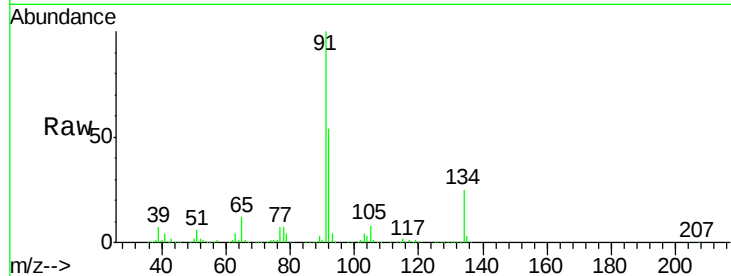
#89
n-Butylbenzene
Concen: 57.590 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.1	78.3
134	25.1	12.4	37.4

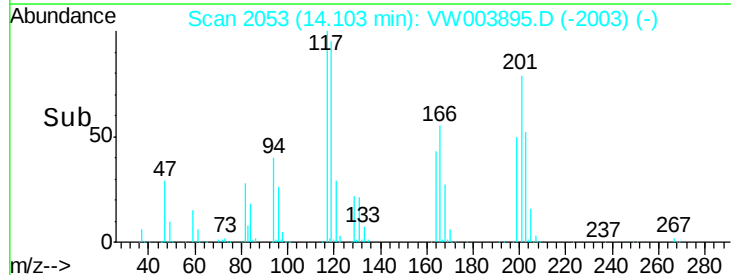
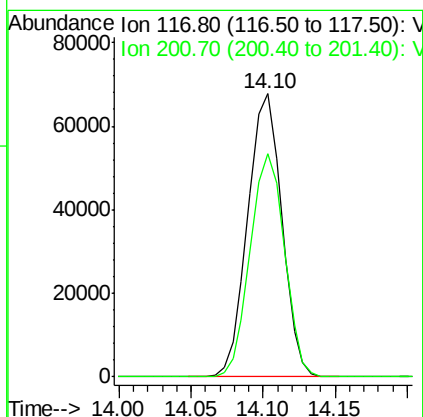
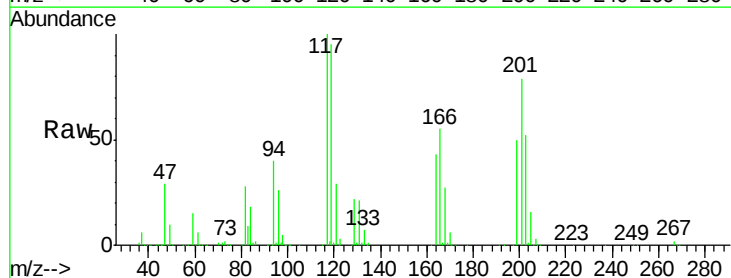
Manual Integrations
APPROVED

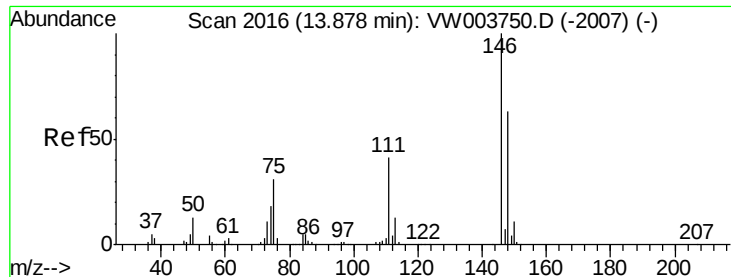
apatel
7/13/2018 9:31:16 AM



#90
Hexachloroethane
Concen: 52.719 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.01 min
Lab File: VW003895.D
Acq: 12 Jul 2018 14:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.3	39.2	117.6





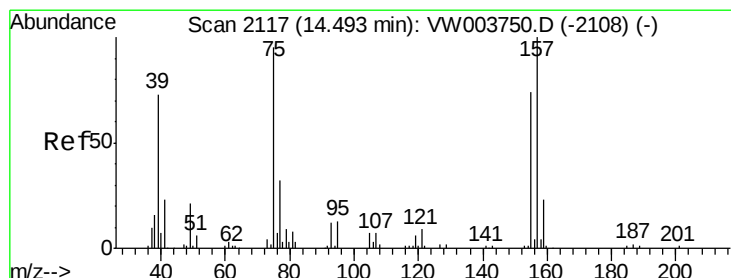
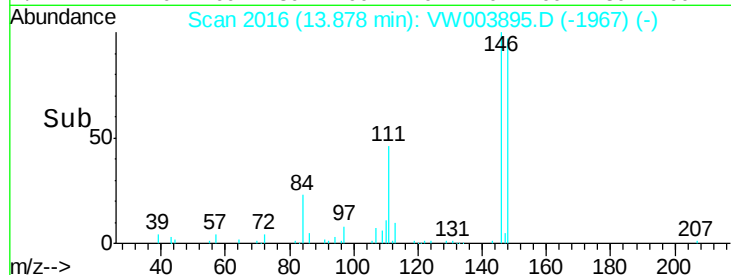
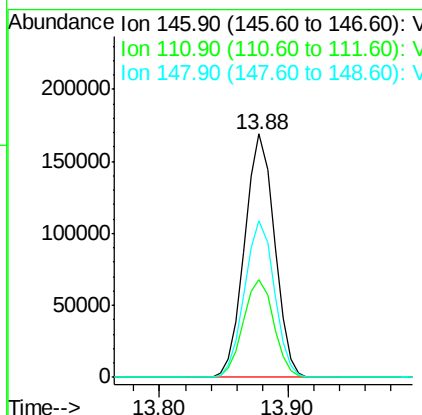
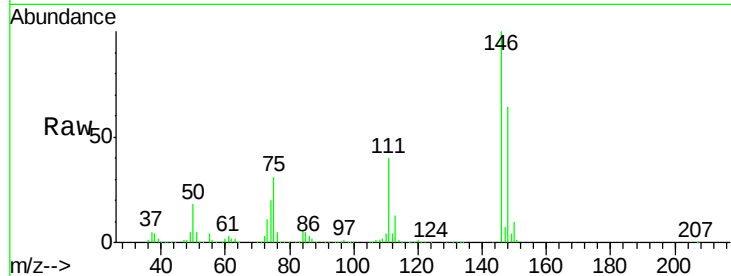
#91
 1,2-Dichlorobenzene
 Concen: 50.831 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW003895.D
 Acq: 12 Jul 2018 14:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.7	62.1
148	64.0	31.9	95.9

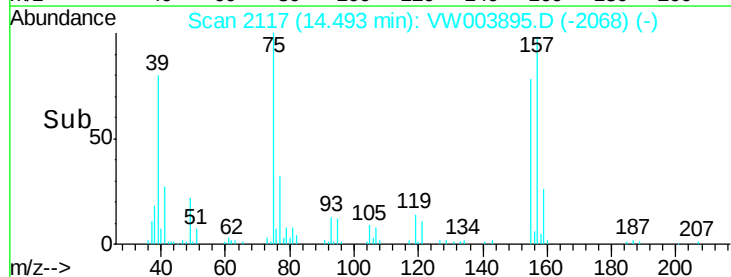
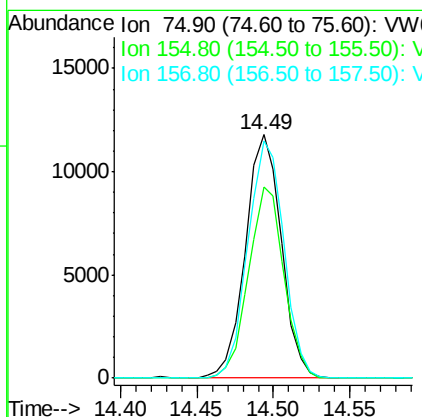
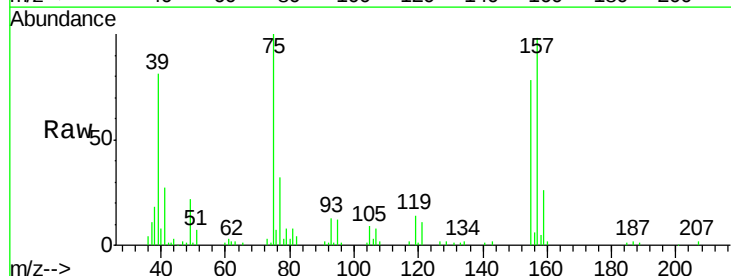
Manual Integrations
 APPROVED

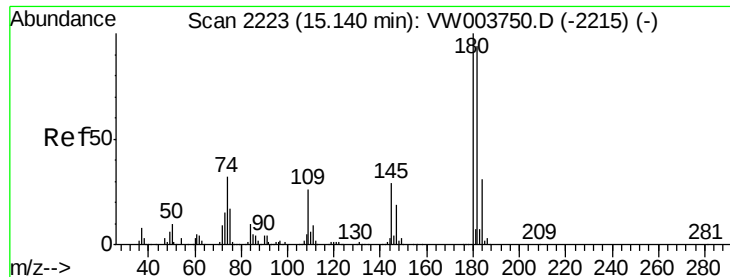
apatel
 7/13/2018 9:31:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.479 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW003895.D
 Acq: 12 Jul 2018 14:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.6	39.2	117.6
157	97.8	50.7	152.1





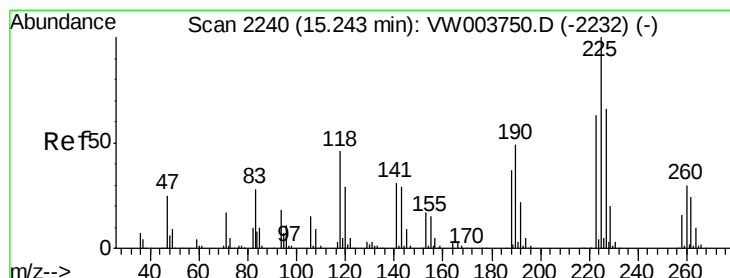
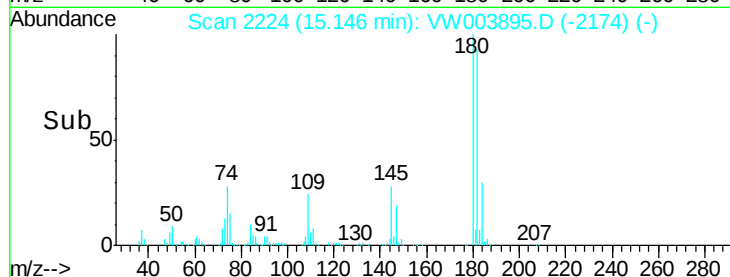
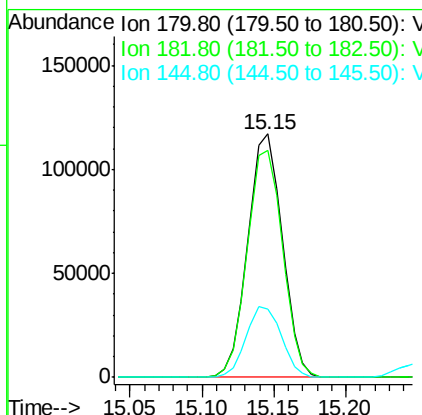
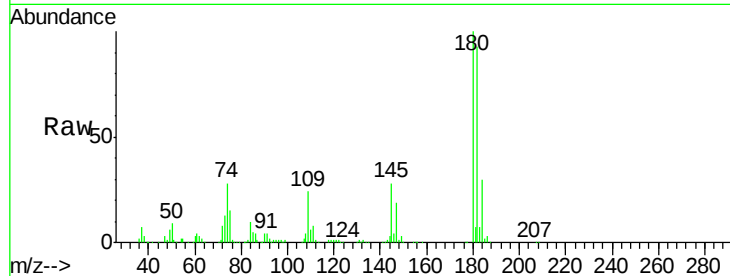
#93
 1,2,4-Trichlorobenzene
 Concen: 53.727 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.01 min
 Lab File: VW003895.D
 Acq: 12 Jul 2018 14:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	194078		
182	95.6	47.4	142.2	
145	29.9	15.0	45.0	

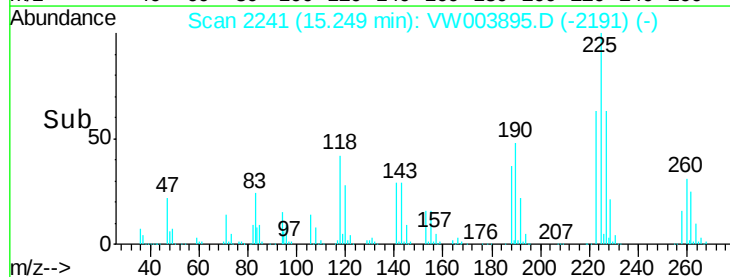
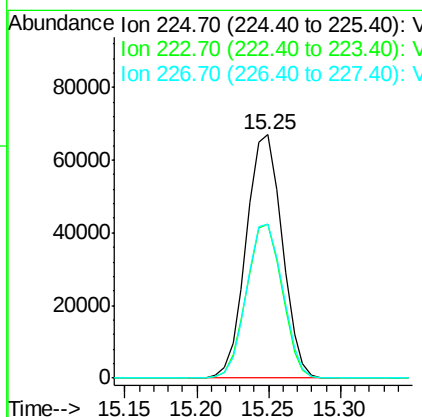
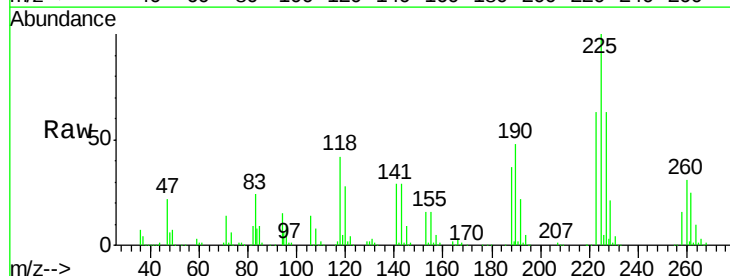
Manual Integrations
 APPROVED

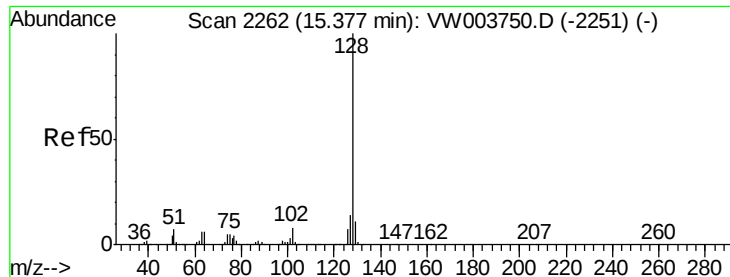
apatel
 7/13/2018 9:31:16 AM



#94
 Hexachlorobutadiene
 Concen: 55.936 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.01 min
 Lab File: VW003895.D
 Acq: 12 Jul 2018 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	115574		
223	62.8	32.6	97.7	
227	63.8	32.5	97.5	





#95

Naphthalene

Concen: 52.152 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW003895.D

Acq: 12 Jul 2018 14:04

Instrument :

MSVOA_W

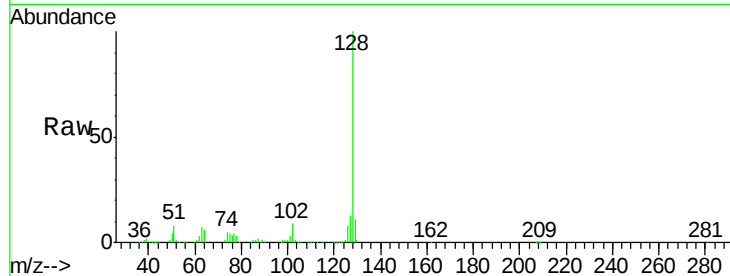
ClientSampleId :

VSTDCCC050

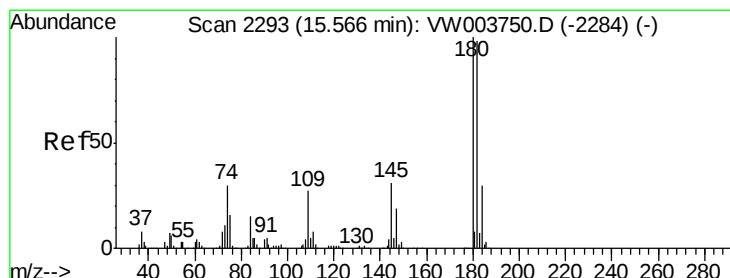
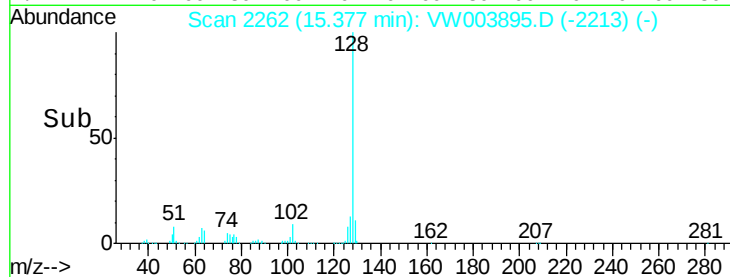
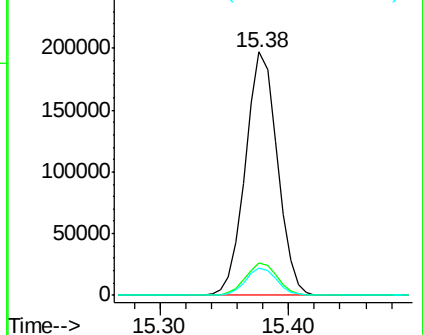
Tot Ion:	128	Resp:	336696
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.8	16.2
129	11.0	8.6	13.0

Manual Integrations
APPROVED

apatel
7/13/2018 9:31:16 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.602 ug/l

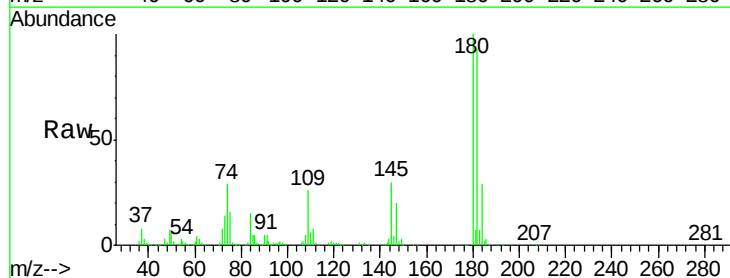
RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW003895.D

Acq: 12 Jul 2018 14:04

Tgt Ion:	180	Resp:	170137
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.4	142.3
145	31.2	15.8	47.4



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

