

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090718\
 Data File : VW005202.D
 Acq On : 07 Sep 2018 10:38
 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
 9/10/2018 10:48:00 AM

Quant Time: Sep 07 16:17:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	532011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	750726	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	727954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	385482	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	201721	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	
35) Dibromofluoromethane	7.89	113	206023	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
50) Toluene-d8	10.33	98	1042228	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
62) 4-Bromofluorobenzene	12.62	95	375217	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	221003	51.55	ug/l	99
3) Chloromethane	2.21	50	338366	54.39	ug/l	98
4) Vinyl Chloride	2.36	62	333505	55.13	ug/l	100
5) Bromomethane	2.77	94	217144	60.17	ug/l	100
6) Chloroethane	2.92	64	194711	51.71	ug/l	99
7) Trichlorofluoromethane	3.26	101	363947	53.48	ug/l	98
8) Diethyl Ether	3.69	74	123075	49.98	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	252885	54.10	ug/l	98
10) Methyl Iodide	4.28	142	229455	34.16	ug/l	99
11) Tert butyl alcohol	5.19	59	78433	320.00	ug/l	98
12) 1,1-Dichloroethene	4.04	96	227525	52.89	ug/l	96
13) Acrolein	3.90	56	73334	256.19	ug/l	99
14) Allyl chloride	4.68	41	372078	55.33	ug/l	99
15) Acrylonitrile	5.38	53	280761	270.33	ug/l	99
16) Acetone	4.14	43	245198	277.23	ug/l	99
17) Carbon Disulfide	4.39	76	791505	52.80	ug/l	98
18) Methyl Acetate	4.68	43	131506	50.54	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	561728	53.77	ug/l	99
20) Methylene Chloride	4.92	84	314197	52.81	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	262634	50.11	ug/l	99
22) Diisopropyl ether	6.32	45	789990	55.83	ug/l	97
23) Vinyl Acetate	6.26	43	2097292	282.17	ug/l	99
24) 1,1-Dichloroethane	6.22	63	458894	51.88	ug/l	98
25) 2-Butanone	7.18	43	422615	275.49	ug/l	98
26) 2,2-Dichloropropane	7.18	77	413986	56.96	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	290264	50.63	ug/l	96
28) Bromochloromethane	7.52	49	181161	50.89	ug/l	95
29) Tetrahydrofuran	7.54	42	211431	269.74	ug/l	98
30) Chloroform	7.68	83	449474	49.79	ug/l	99
31) Cyclohexane	7.96	56	483299	55.80	ug/l	96
32) 1,1,1-Trichloroethane	7.88	97	411819	52.38	ug/l	99
36) 1,1-Dichloropropene	8.09	75	402433	56.29	ug/l	99
37) Ethyl Acetate	7.26	43	147992	55.35	ug/l	100
38) Carbon Tetrachloride	8.07	117	363832	53.52	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090718\
 Data File : VW005202.D
 Acq On : 07 Sep 2018 10:38
 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
 9/10/2018 10:48:00 AM

Quant Time: Sep 07 16:17:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	524857	60.70	ug/l	99
40) Benzene	8.33	78	1179933	53.91	ug/l	99
41) Methacrylonitrile	7.49	41	80700	52.09	ug/l	93
42) 1,2-Dichloroethane	8.40	62	266376	49.73	ug/l	99
43) Isopropyl Acetate	8.43	43	275131	56.55	ug/l	98
44) Trichloroethene	9.10	130	309591	52.42	ug/l	97
45) 1,2-Dichloropropane	9.37	63	288260	53.91	ug/l	98
46) Dibromomethane	9.46	93	126843	49.61	ug/l	97
47) Bromodichloromethane	9.65	83	332059	51.58	ug/l	98
48) Methyl methacrylate	9.44	41	147874	63.12	ug/l	88
49) 1,4-Dioxane	9.46	88	47971	1160.16	ug/l #	86
51) 4-Methyl-2-Pentanone	10.21	43	953536	292.41	ug/l	100
52) Toluene	10.39	92	825811	55.68	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	351396	55.55	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	427271	55.54	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	200997	50.77	ug/l	97
56) Ethyl methacrylate	10.65	69	273377	60.53	ug/l	99
57) 1,3-Dichloropropane	10.94	76	345240	52.97	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	601851	281.22	ug/l	98
59) 2-Hexanone	10.98	43	717714	325.41	ug/l	100
60) Dibromochloromethane	11.13	129	228785	51.12	ug/l	99
61) 1,2-Dibromoethane	11.24	107	186274	52.12	ug/l	99
64) Tetrachloroethene	10.87	164	296221	51.86	ug/l	98
65) Chlorobenzene	11.66	112	894284	54.57	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	261742	52.27	ug/l	99
67) Ethyl Benzene	11.74	91	1626431	58.71	ug/l	100
68) m/p-Xylenes	11.85	106	1289569	116.25	ug/l	99
69) o-Xylene	12.17	106	602444	58.74	ug/l	100
70) Styrene	12.19	104	983491	58.05	ug/l	99
71) Bromoform	12.35	173	135676	51.12	ug/l #	99
73) Isopropylbenzene	12.47	105	1648700	60.66	ug/l	100
74) N-amyl acetate	12.28	43	300950	64.30	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	231576	55.97	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	157015m	54.26	ug/l	
77) Bromobenzene	12.76	156	364074	54.36	ug/l	96
78) n-propylbenzene	12.81	91	2014926	61.41	ug/l	99
79) 2-Chlorotoluene	12.90	91	1109300	57.95	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	1404813	59.77	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	73341	61.01	ug/l	98
82) 4-Chlorotoluene	12.99	91	1162677	57.52	ug/l	100
83) tert-Butylbenzene	13.21	119	1205686	61.42	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1415769	59.14	ug/l	99
85) sec-Butylbenzene	13.39	105	1774967	61.53	ug/l	99
86) p-Isopropyltoluene	13.51	119	1573791	61.63	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	764204	55.55	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	745604	54.64	ug/l	99
89) n-Butylbenzene	13.83	91	1516420	64.08	ug/l	99
90) Hexachloroethane	14.10	117	241361	56.90	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	666550	55.59	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	37360	57.78	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090718\
Data File : VW005202.D
Acq On : 07 Sep 2018 10:38
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
9/10/2018 10:48:00 AM

Quant Time: Sep 07 16:17:27 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 01 03:35:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	471386	58.63	ug/l	100
94) Hexachlorobutadiene	15.25	225	302915	60.58	ug/l	99
95) Naphthalene	15.38	128	760875	54.37	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	397948	57.84	ug/l	100

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

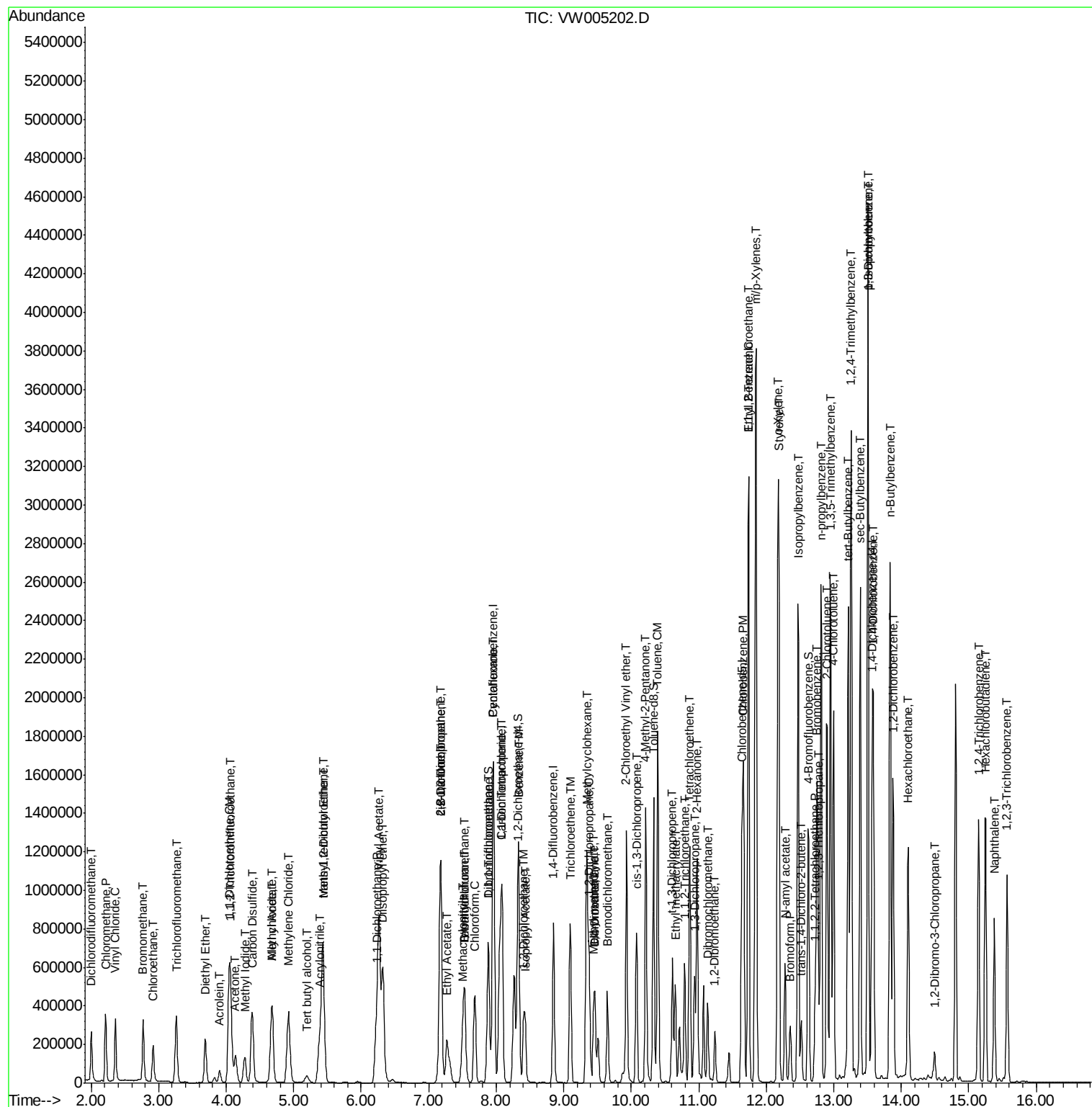
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090718\
Data File : VW005202.D
Acq On : 07 Sep 2018 10:38
Operator : SY/AP
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

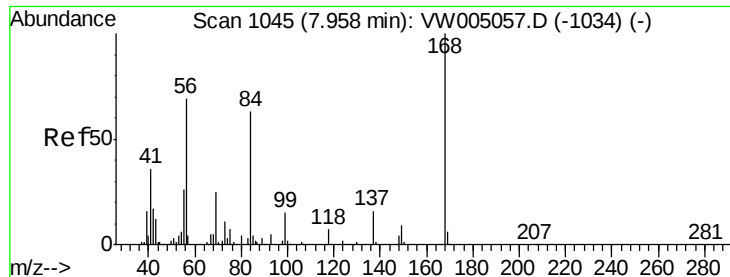
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

apatel
9/10/2018 10:48:00 AM

Quant Time: Sep 07 16:17:27 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 01 03:35:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 532011

Ion Ratio Lower Upper

168 100

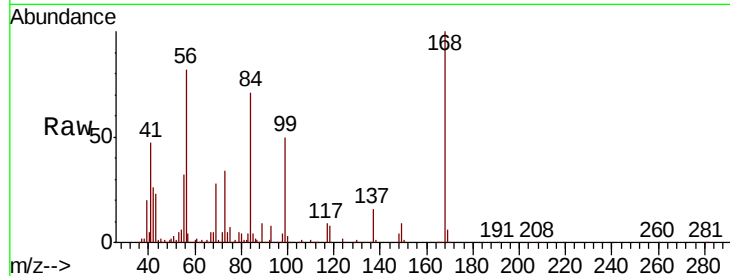
99 49.9 39.4 59.0

Manual Integrations

APPROVED

apatel

9/10/2018 10:48:00 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

250000

200000

150000

100000

50000

0

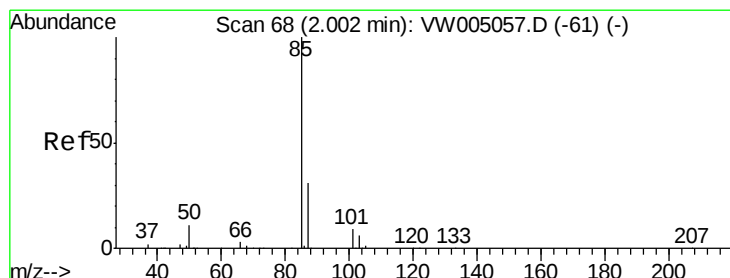
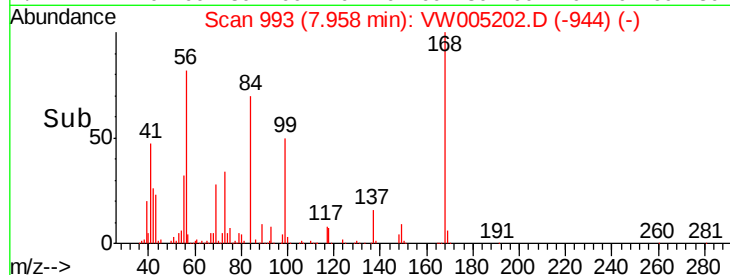
7.80

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 51.55 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW005202.D

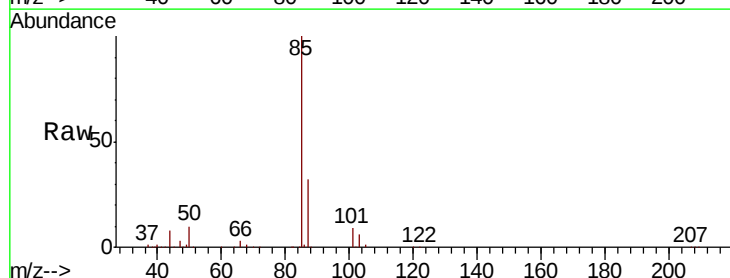
Acq: 07 Sep 2018 10:38

Tgt Ion: 85 Resp: 221003

Ion Ratio Lower Upper

85 100

87 32.2 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

150000

100000

50000

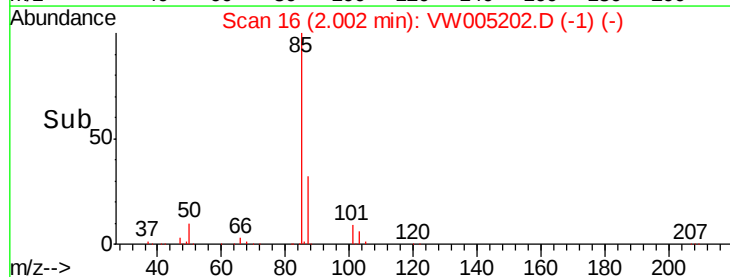
0

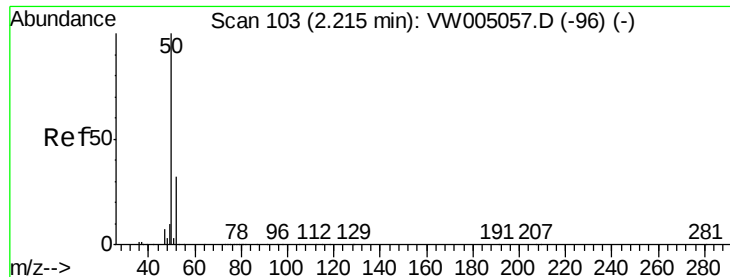
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 54.39 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 338366

Ion Ratio Lower Upper

50 100

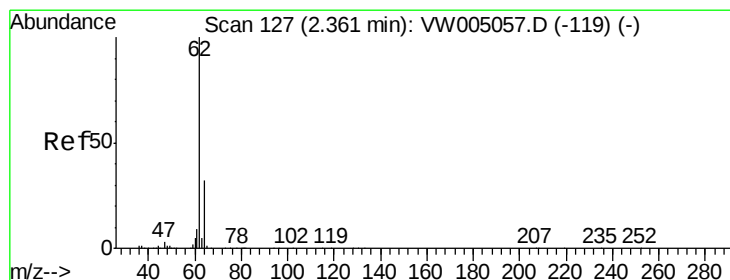
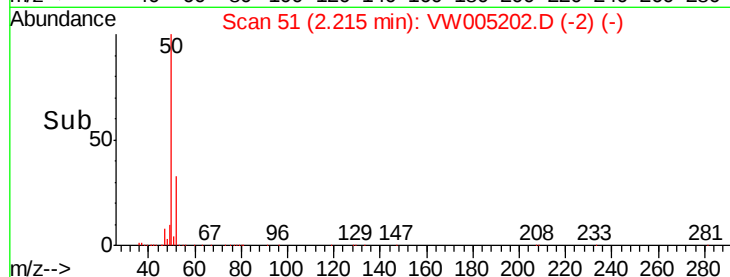
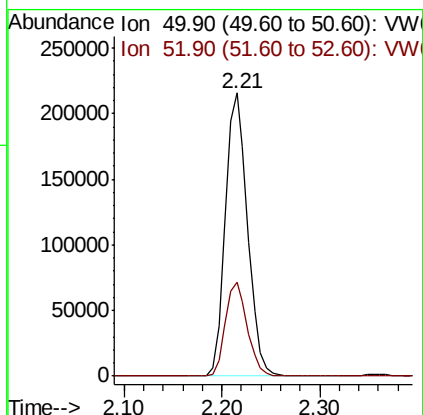
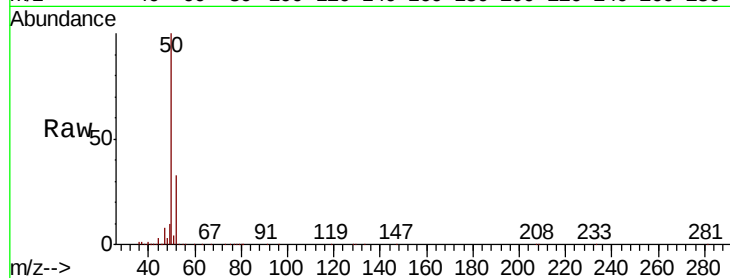
52 33.2 25.8 38.6

Manual Integrations

APPROVED

apatel

9/10/2018 10:48:00 AM



#4

Vinyl Chloride

Concen: 55.13 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW005202.D

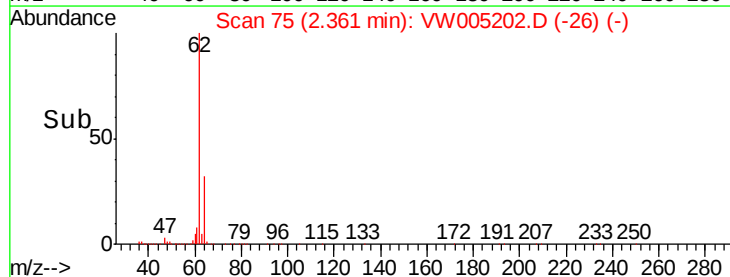
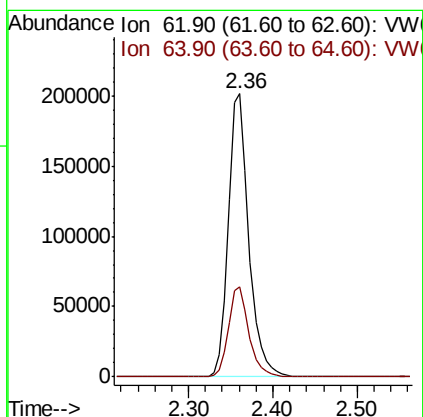
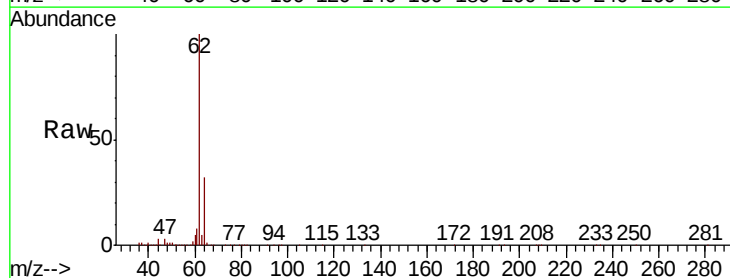
Acq: 07 Sep 2018 10:38

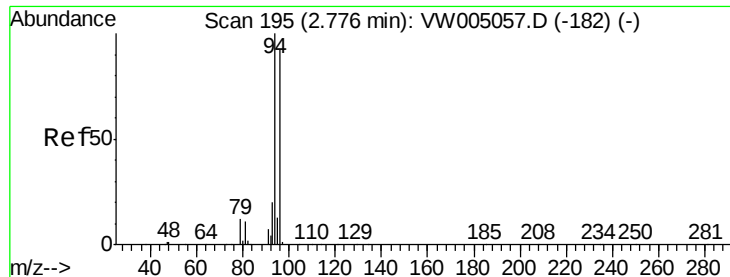
Tgt Ion: 62 Resp: 333505

Ion Ratio Lower Upper

62 100

64 31.7 25.6 38.4





#5

Bromomethane

Concen: 60.17 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 217144

Ion Ratio Lower Upper

94 100

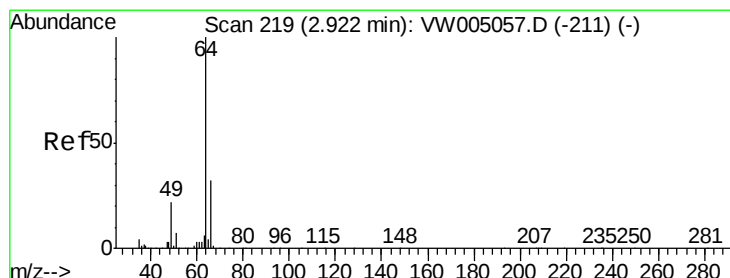
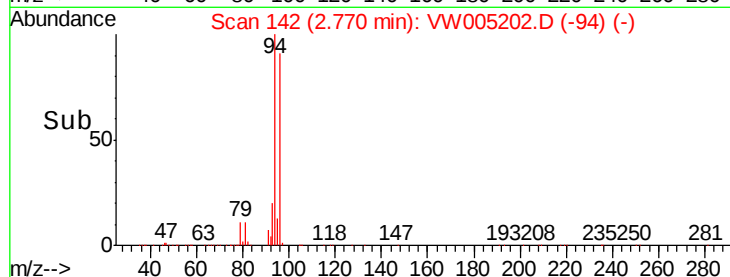
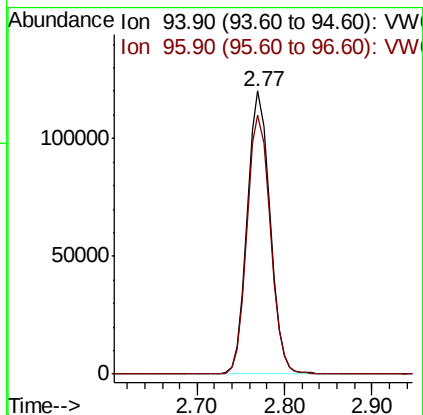
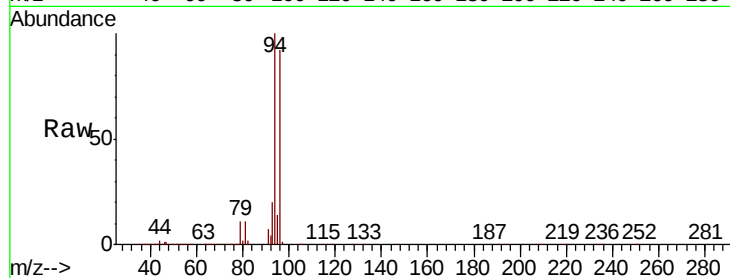
96 91.6 73.2 109.8

Manual Integrations

APPROVED

apatel

9/10/2018 10:48:00 AM



#6

Chloroethane

Concen: 51.71 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW005202.D

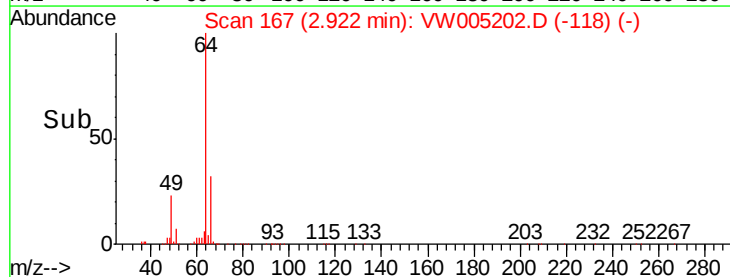
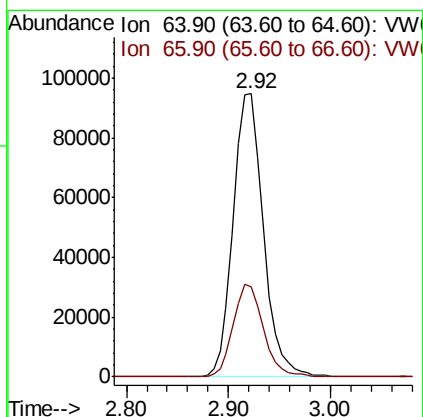
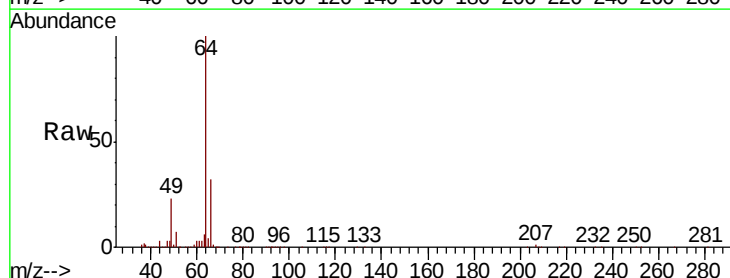
Acq: 07 Sep 2018 10:38

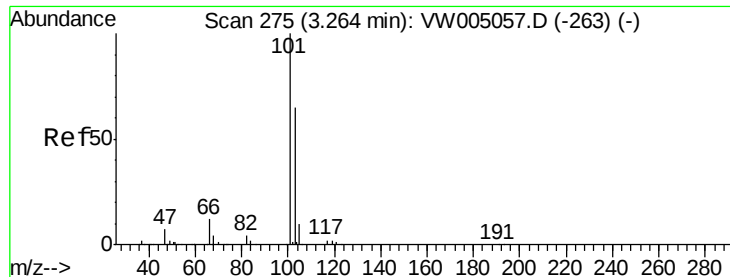
Tgt Ion: 64 Resp: 194711

Ion Ratio Lower Upper

64 100

66 31.6 25.7 38.5





#7

Trichlorofluoromethane

Concen: 53.48 ug/l

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 363947

Ion Ratio Lower Upper

101 100

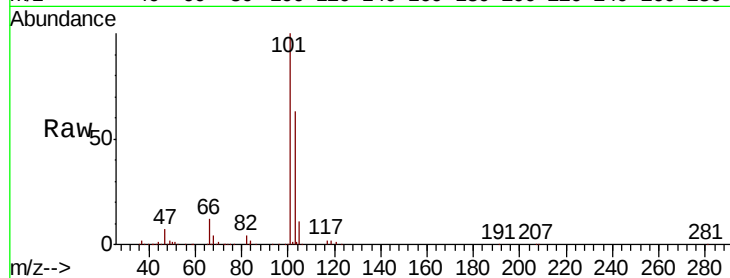
103 63.0 51.9 77.9

Manual Integrations

APPROVED

apatel

9/10/2018 10:48:00 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.26

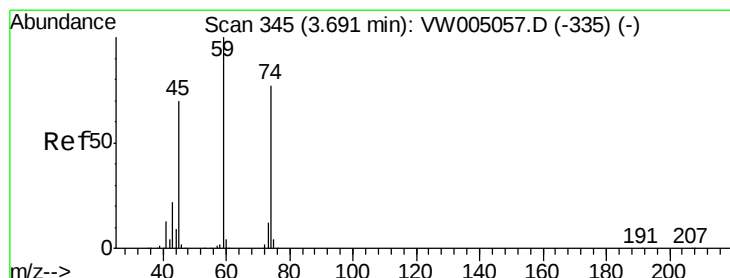
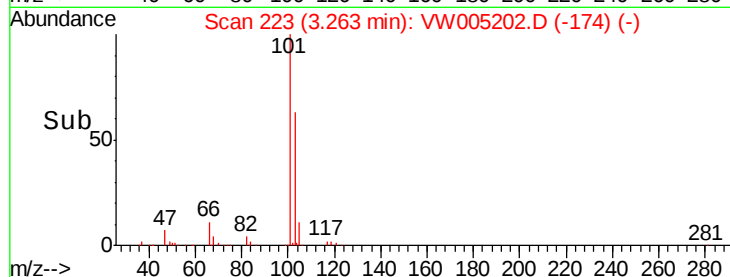
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 49.98 ug/l

RT: 3.69 min Scan# 293

Delta R.T. -0.00 min

Lab File: VW005202.D

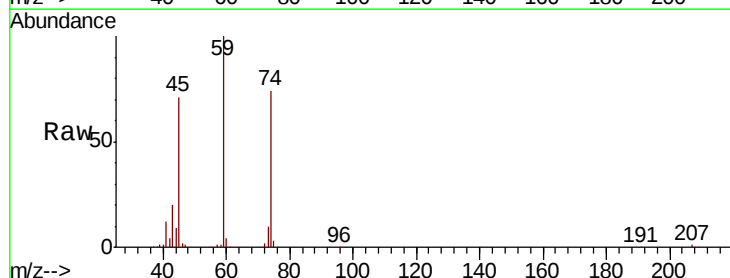
Acq: 07 Sep 2018 10:38

Tgt Ion: 74 Resp: 123075

Ion Ratio Lower Upper

74 100

45 96.1 46.0 137.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.69

60000

50000

40000

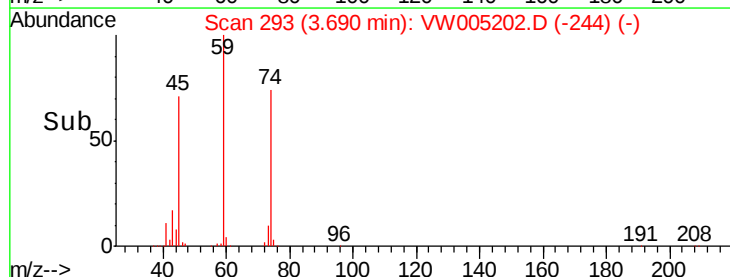
30000

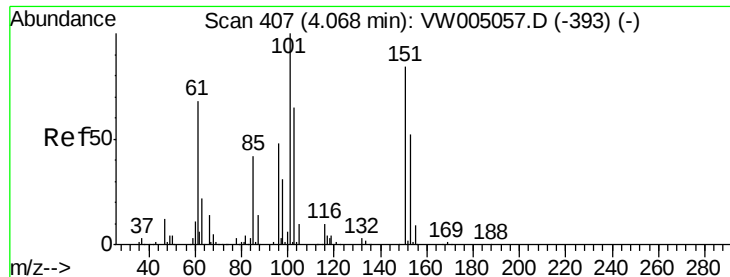
20000

10000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.10 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Instrument :

MSVOA_W

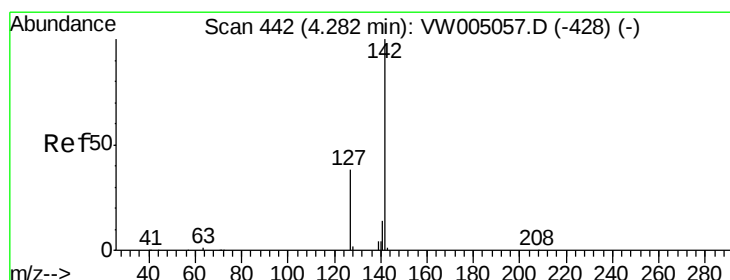
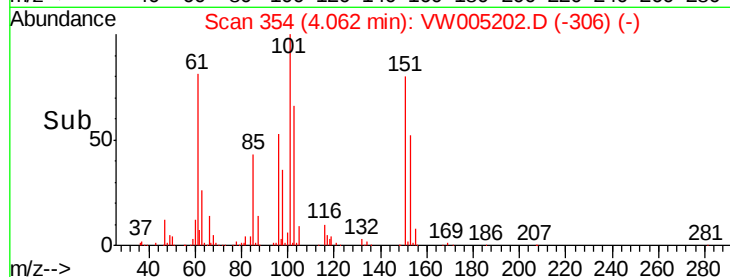
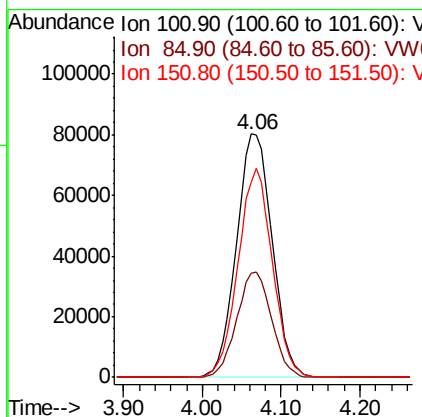
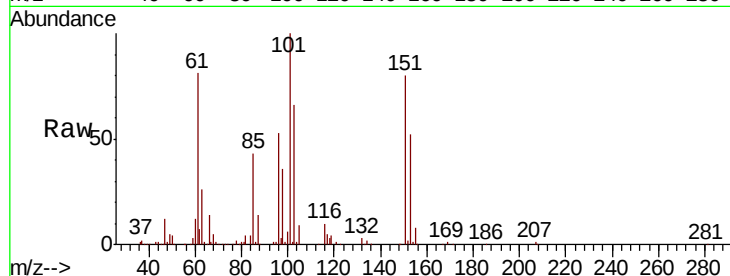
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	252885
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.0	49.6
151	82.4	67.0	100.6

Manual Integrations
APPROVED

apatel
9/10/2018 10:48:00 AM



#10

Methyl Iodide

Concen: 34.16 ug/l

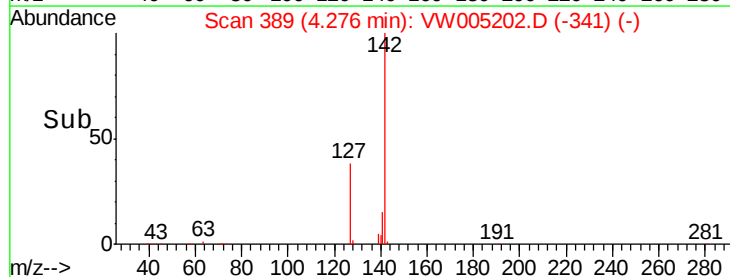
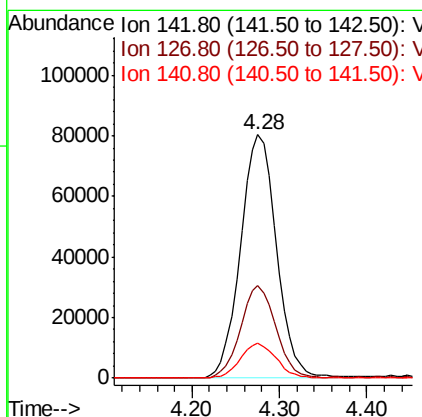
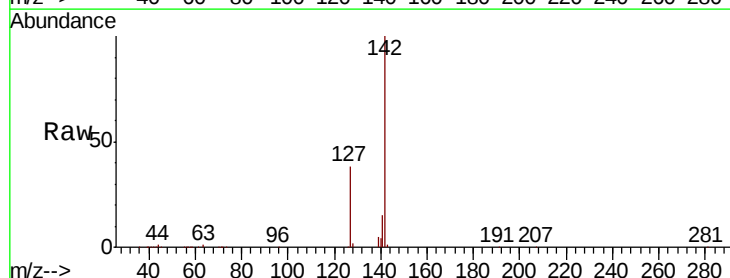
RT: 4.28 min Scan# 389

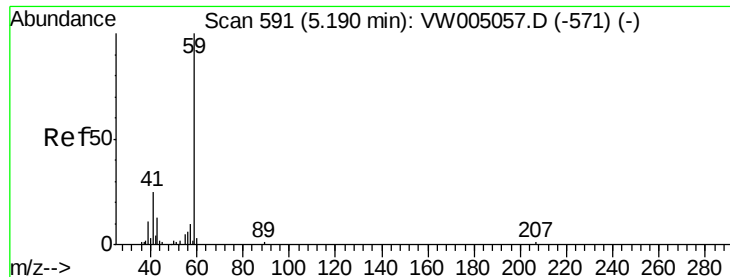
Delta R.T. -0.01 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Tgt Ion:	142	Resp:	229455
Ion Ratio	Lower	Upper	
142	100		
127	37.6	30.8	46.2
141	14.4	11.6	17.4





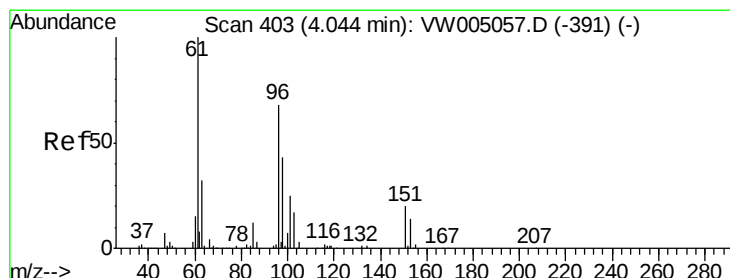
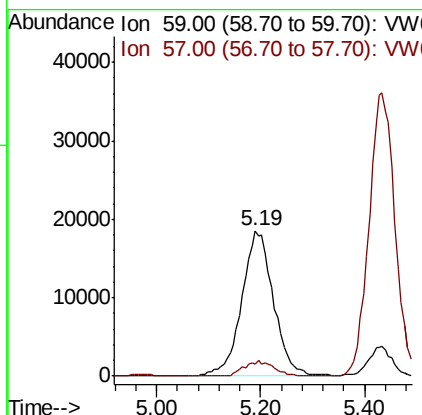
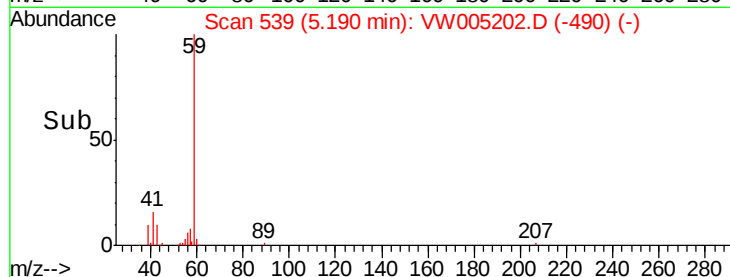
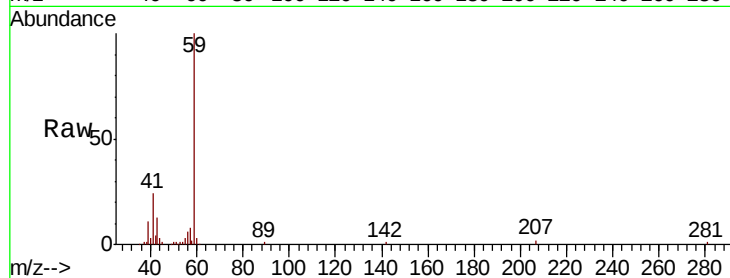
#11
Tert butyl alcohol
Concen: 320.00 ug/l
RT: 5.19 min Scan# 539
Delta R.T. -0.00 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	59.00	Resp	78433
Ion Ratio	100	Lower	Upper
57	9.9	8.6	12.8

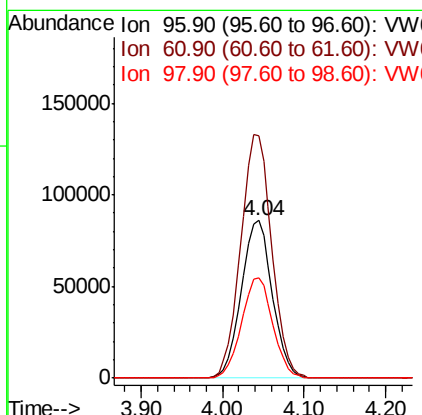
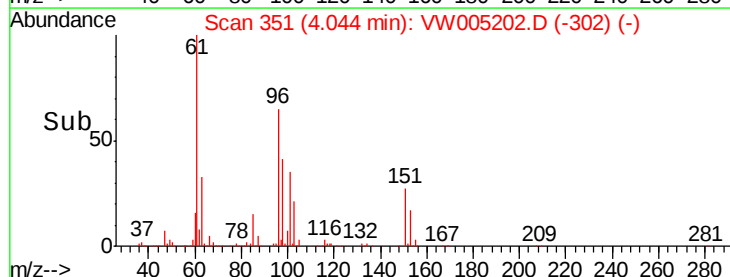
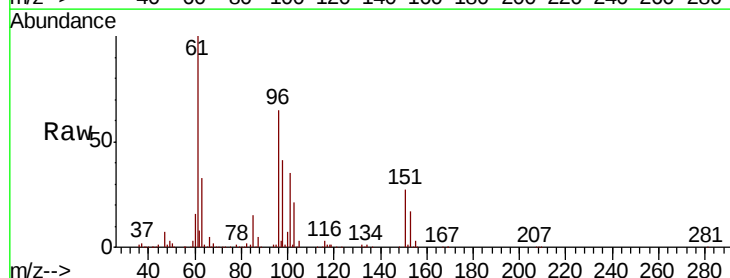
Manual Integrations
APPROVED

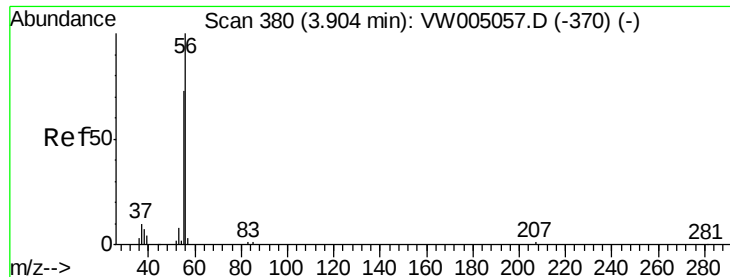
apatel
9/10/2018 10:48:00 AM



#12
1,1-Dichloroethene
Concen: 52.89 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Tgt Ion	96	Resp	227525
Ion Ratio	100	Lower	Upper
61	153.8	117.4	176.0
98	63.5	51.0	76.4





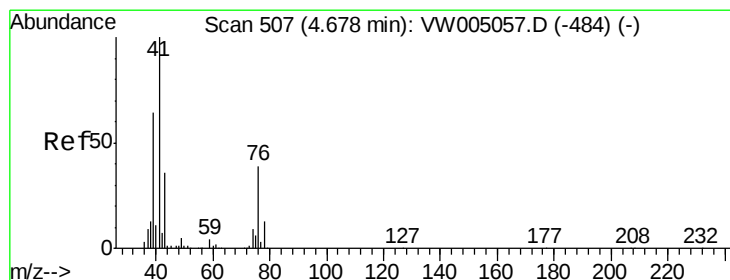
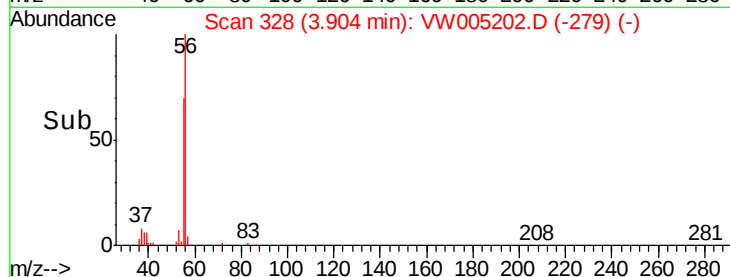
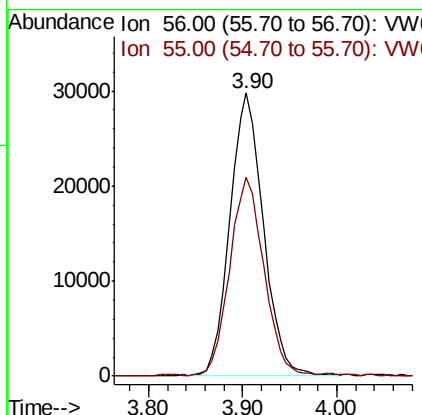
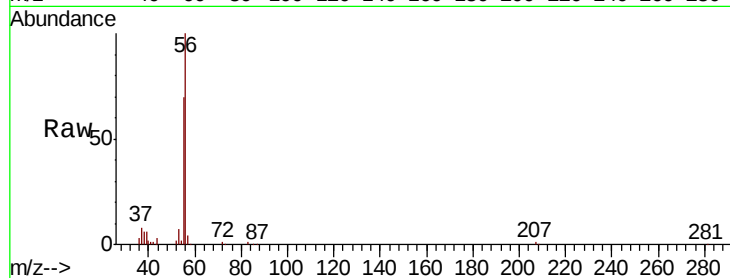
#13
Acrolein
Concen: 256.19 ug/l
RT: 3.90 min Scan# 328
Delta R.T. -0.00 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	73334
Ion Ratio	Lower	Upper	
56	100		
55	71.9	58.1	87.1

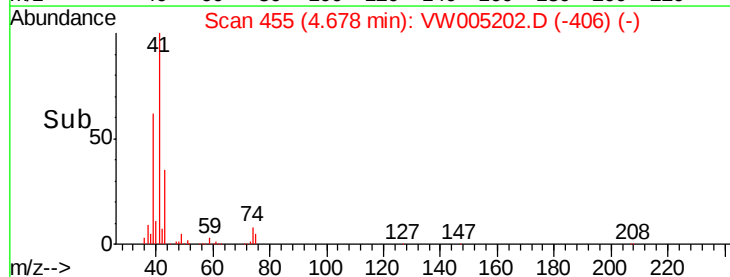
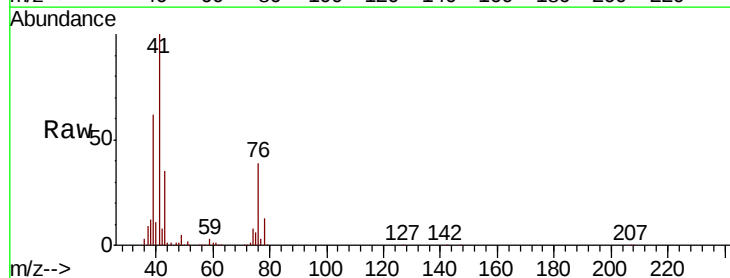
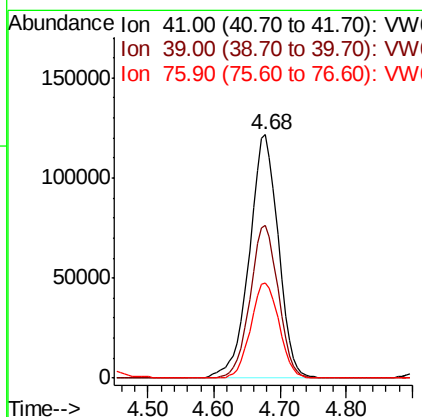
Manual Integrations
APPROVED

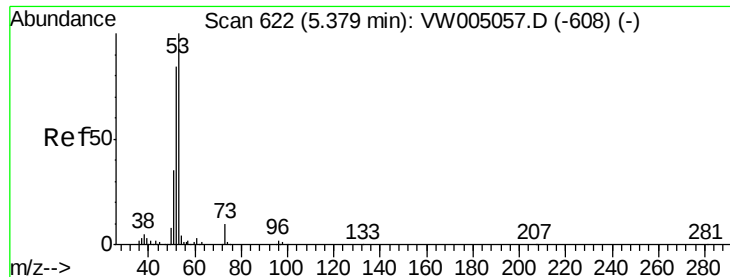
apatel
9/10/2018 10:48:00 AM



#14
Allyl chloride
Concen: 55.33 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Tgt Ion	41	Resp	372078
Ion Ratio	Lower	Upper	
41	100		
39	61.1	49.4	74.2
76	38.4	31.8	47.6





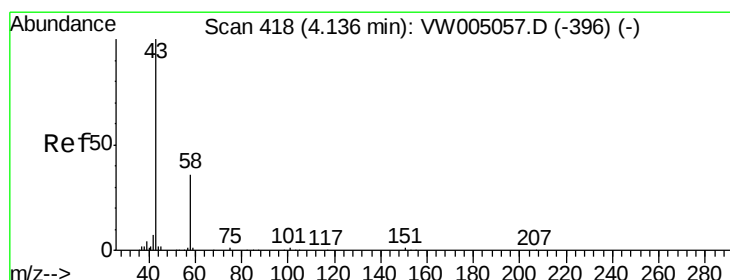
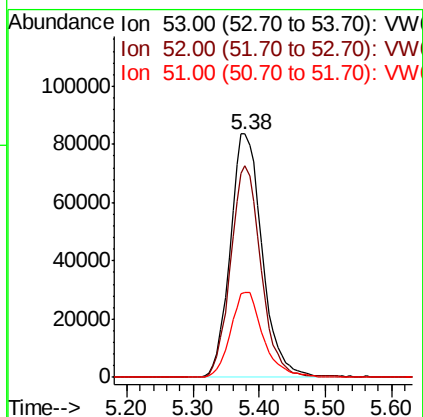
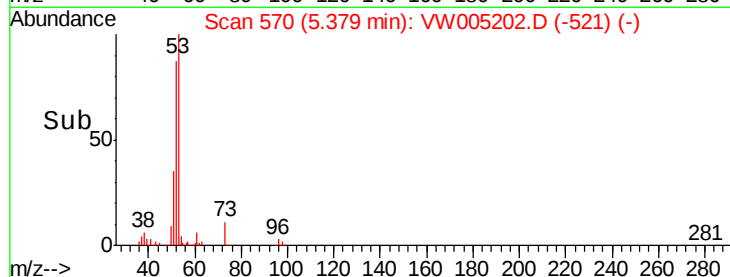
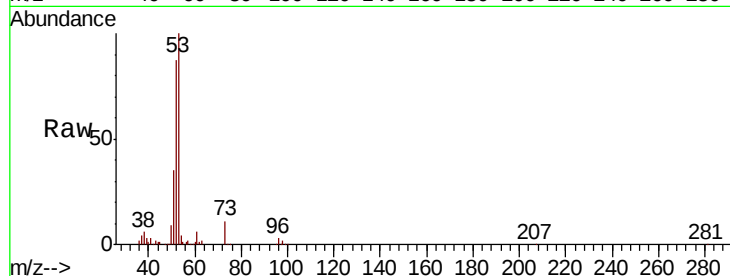
#15
 Acrylonitrile
 Concen: 270.33 ug/l
 RT: 5.38 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VW005202.D
 Acq: 07 Sep 2018 10:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	280761
Ion Ratio	Lower	Upper	
53	100		
52	82.6	65.7	98.5
51	35.4	28.8	43.2

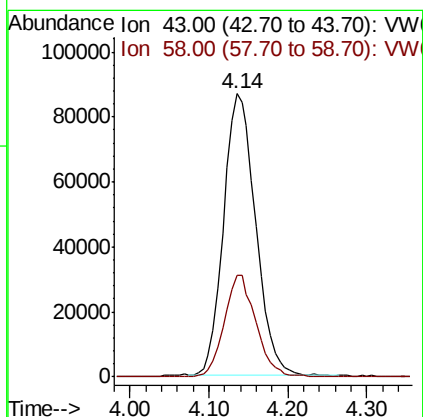
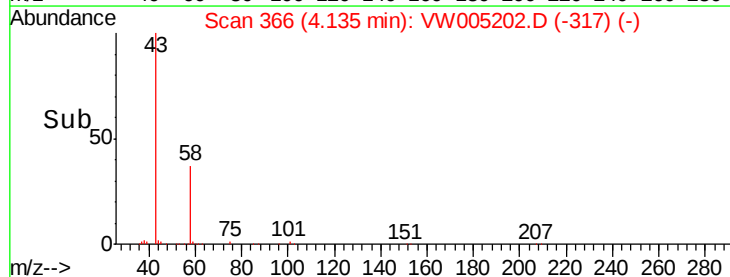
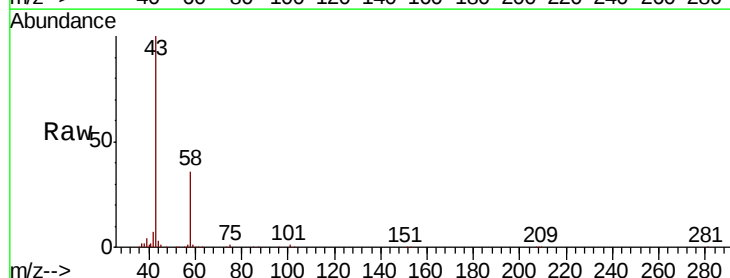
Manual Integrations
 APPROVED

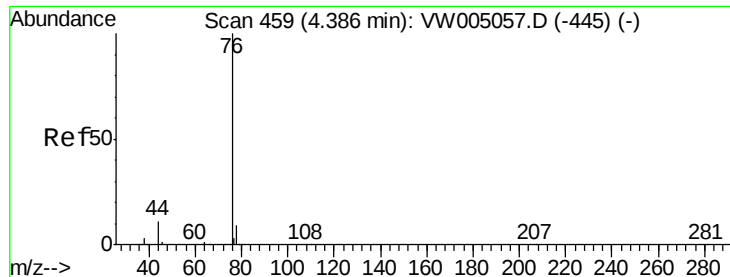
apatel
 9/10/2018 10:48:00 AM



#16
 Acetone
 Concen: 277.23 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. -0.00 min
 Lab File: VW005202.D
 Acq: 07 Sep 2018 10:38

Tgt Ion:	43	Resp:	245198
Ion Ratio	Lower	Upper	
43	100		
58	35.9	29.0	43.6





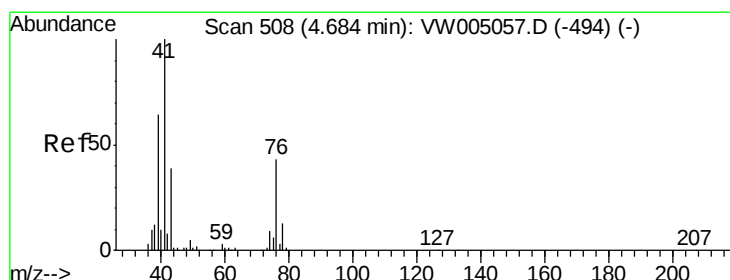
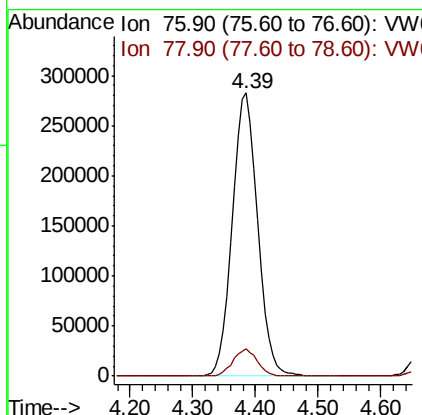
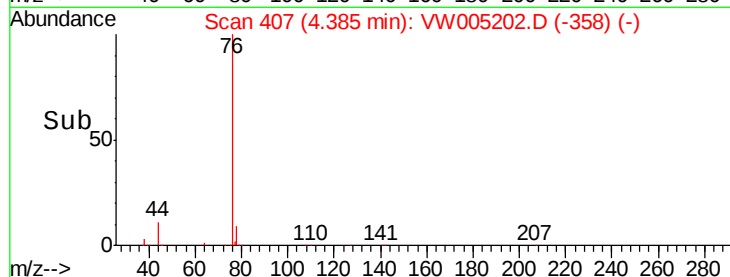
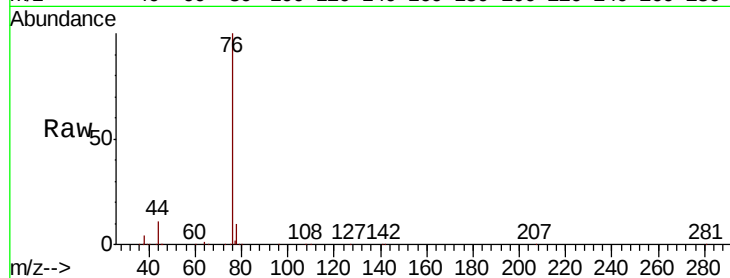
#17
Carbon Disulfide
Concen: 52.80 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.3	10.9

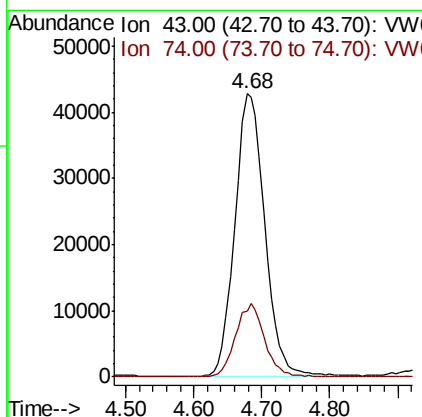
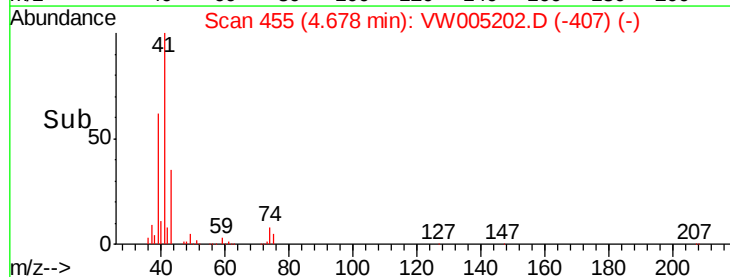
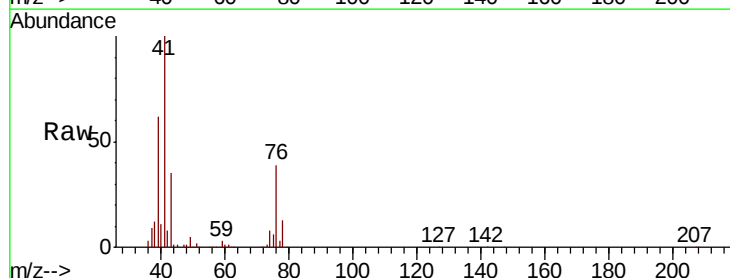
Manual Integrations
APPROVED

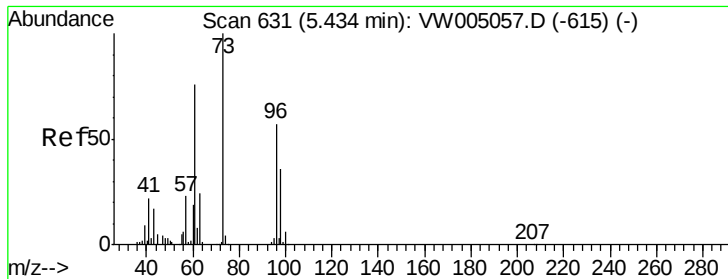
apatel
9/10/2018 10:48:00 AM



#18
Methyl Acetate
Concen: 50.54 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	20.7	31.1





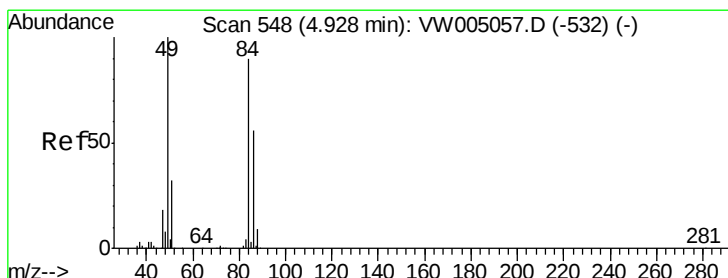
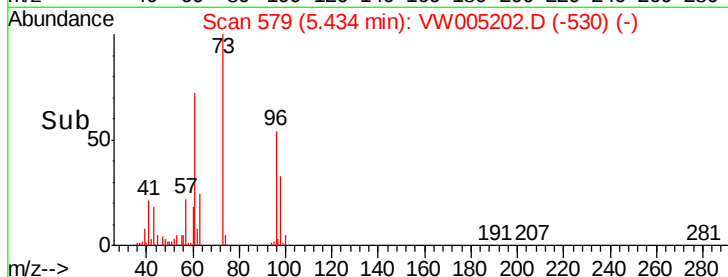
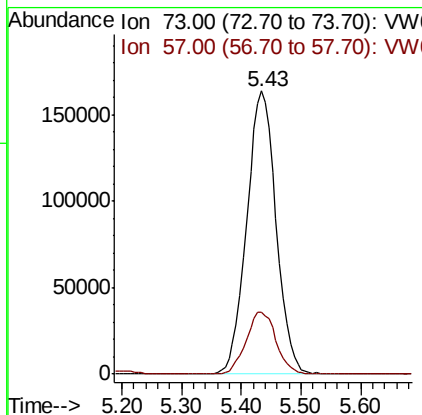
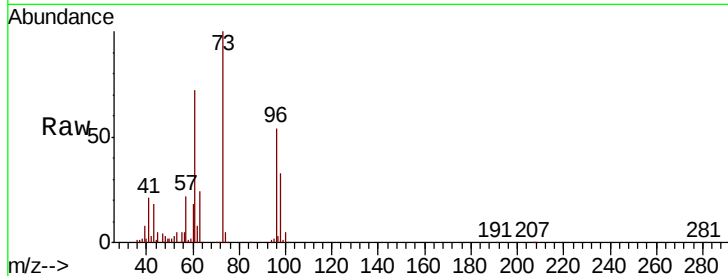
#19
Methvl tert-butvl Ether
Concen: 53.77 ug/l
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	18.1	27.1

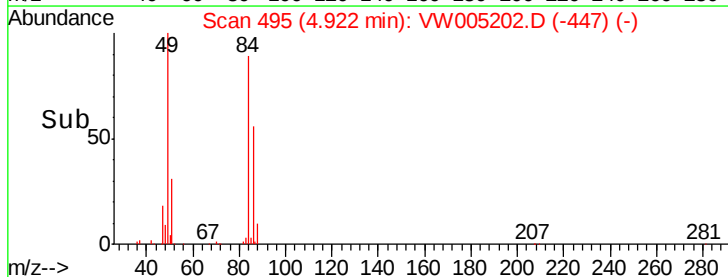
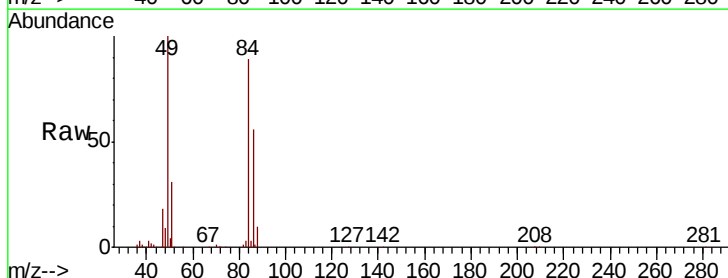
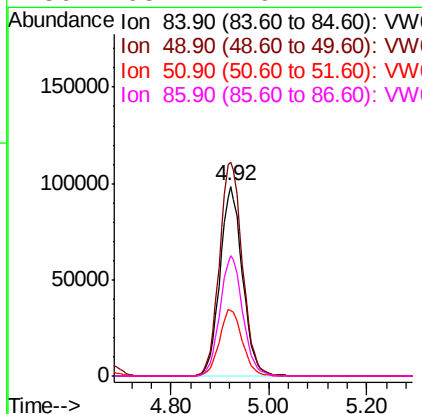
Manual Integrations
APPROVED

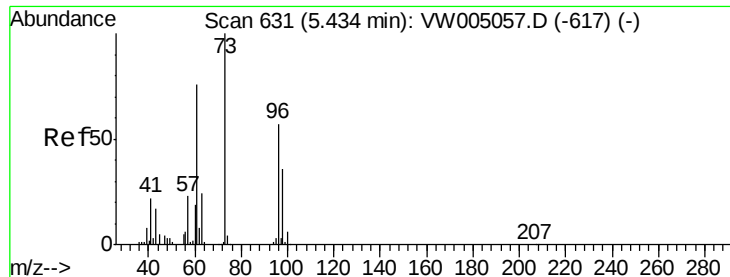
apatel
9/10/2018 10:48:00 AM



#20
Methylene Chloride
Concen: 52.81 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.4	88.7	133.1
51	34.4	28.6	42.8
86	63.1	49.4	74.2





#21

trans-1,2-Dichloroethene

Concen: 50.11 ug/l

RT: 5.43 min Scan# 579

Delta R.T. -0.00 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Instrument :

MSVOA_W

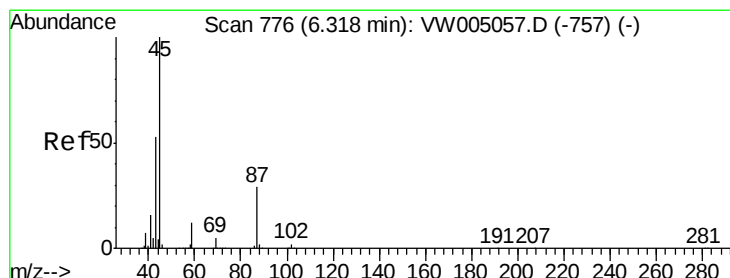
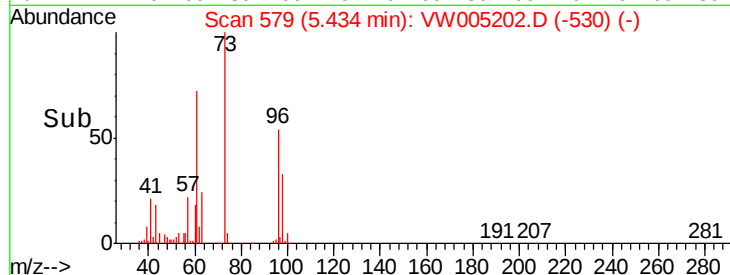
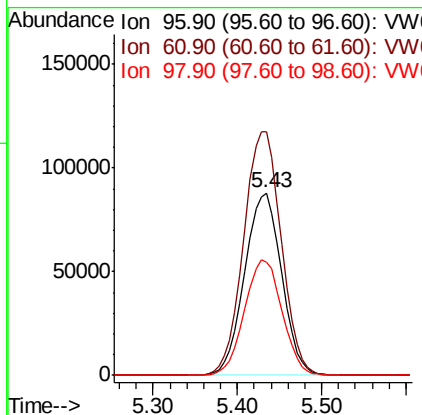
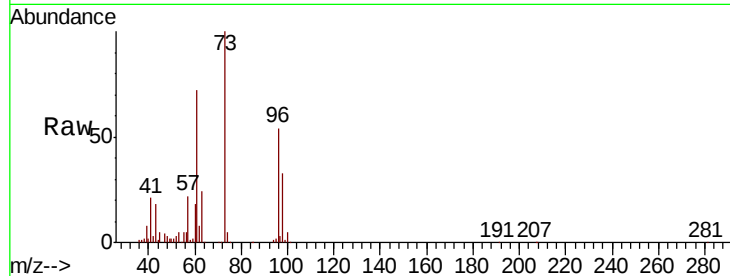
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	262634
Ion	Ratio	Lower	Upper
96	100		
61	133.5	106.3	159.5
98	61.7	50.9	76.3

Manual Integrations
APPROVED

apatel
9/10/2018 10:48:00 AM



#22

Diisopropyl ether

Concen: 55.83 ug/l

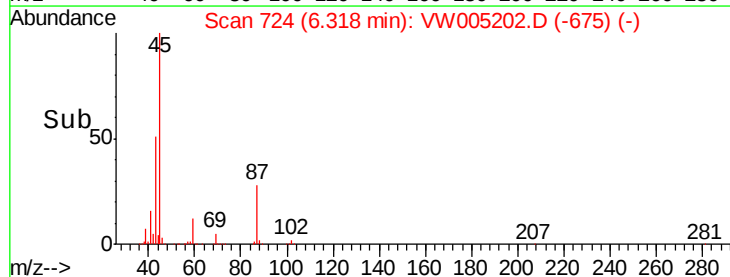
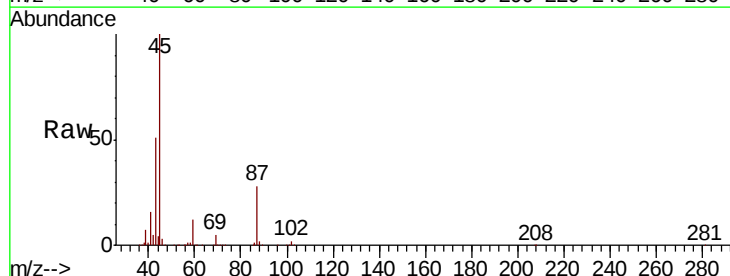
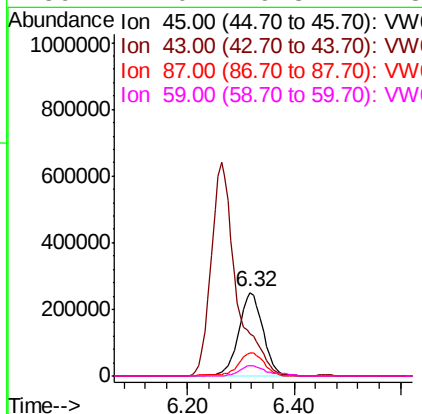
RT: 6.32 min Scan# 724

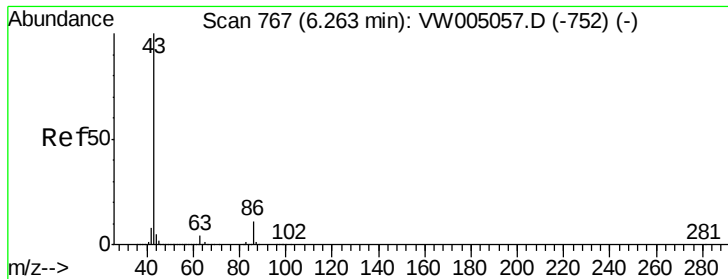
Delta R.T. -0.00 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Tgt Ion:	45	Resp:	789990
Ion	Ratio	Lower	Upper
45	100		
43	50.9	42.6	63.8
87	27.5	23.6	35.4
59	12.0	9.8	14.8





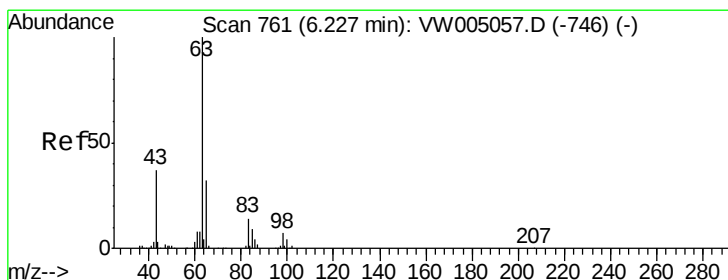
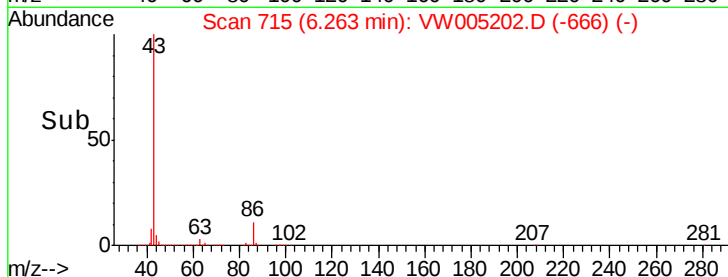
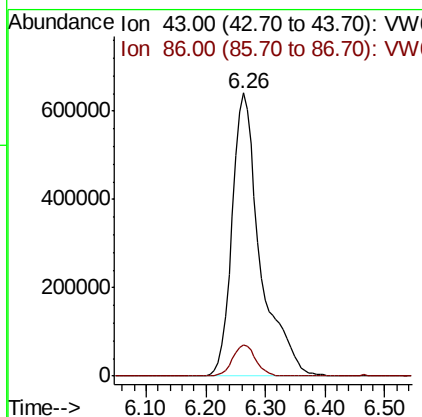
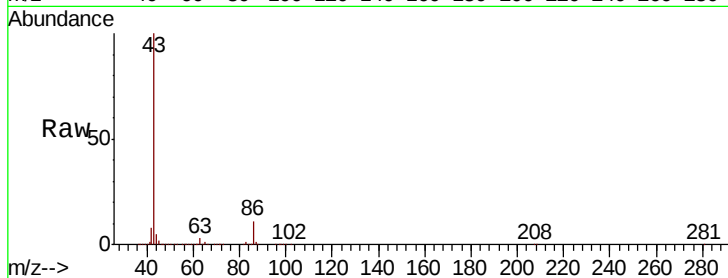
#23
 Vinyl Acetate
 Concen: 282.17 ug/l
 RT: 6.26 min Scan# 715
 Delta R.T. -0.00 min
 Lab File: VW005202.D
 Acq: 07 Sep 2018 10:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2097292
 Ion Ratio Lower Upper
 43 100
 86 11.0 9.0 13.4

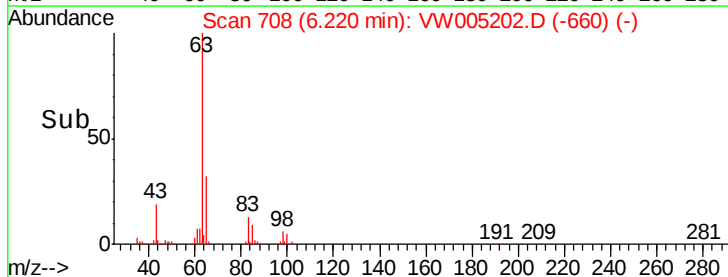
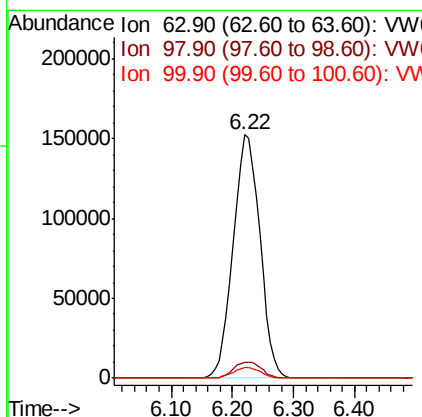
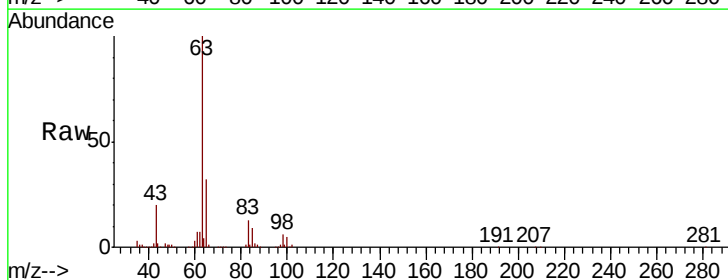
Manual Integrations
 APPROVED

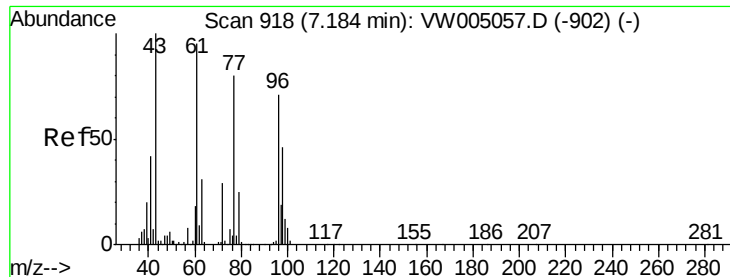
apatel
 9/10/2018 10:48:00 AM



#24
 1,1-Dichloroethane
 Concen: 51.88 ug/l
 RT: 6.22 min Scan# 708
 Delta R.T. -0.01 min
 Lab File: VW005202.D
 Acq: 07 Sep 2018 10:38

Tgt Ion: 63 Resp: 458894
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.6 10.8
 100 4.6 2.2 6.6





#25

2-Butanone

Concen: 275.49 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 422615

Ion Ratio Lower Upper

43 100

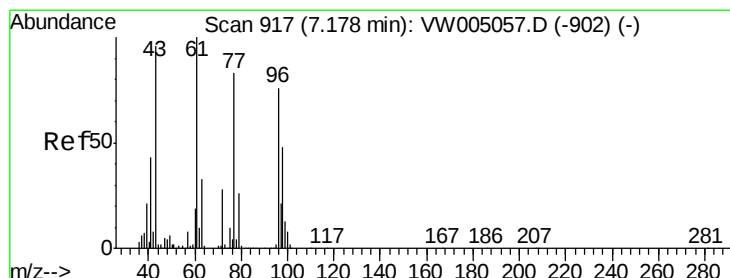
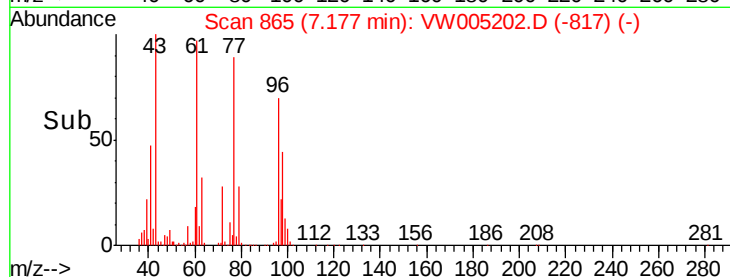
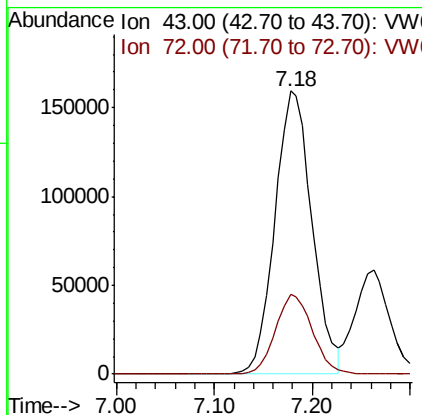
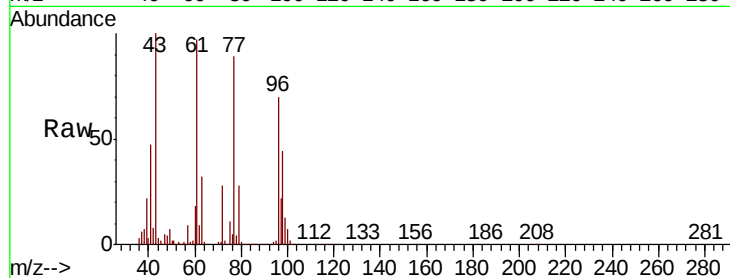
72 28.1 23.1 34.7

Manual Integrations

APPROVED

apatel

9/10/2018 10:48:00 AM



#26

2,2-Dichloropropane

Concen: 56.96 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW005202.D

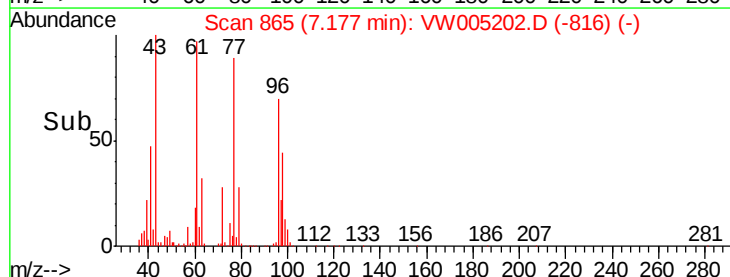
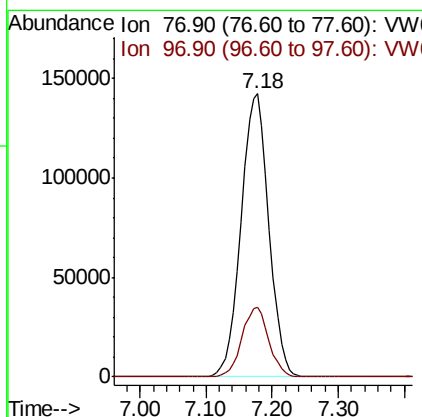
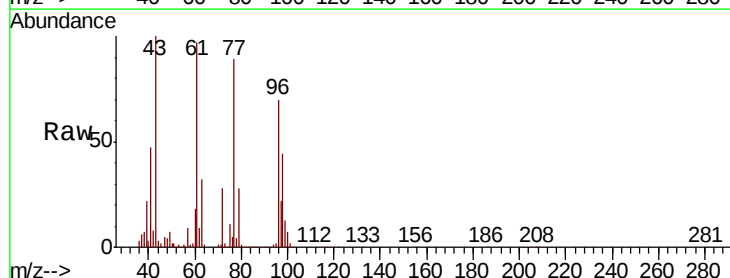
Acq: 07 Sep 2018 10:38

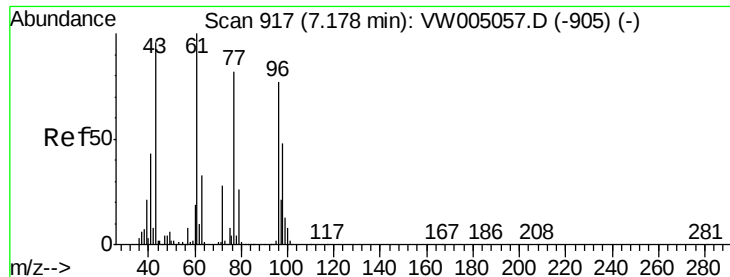
Tgt Ion: 77 Resp: 413986

Ion Ratio Lower Upper

77 100

97 23.7 12.2 36.6





#27

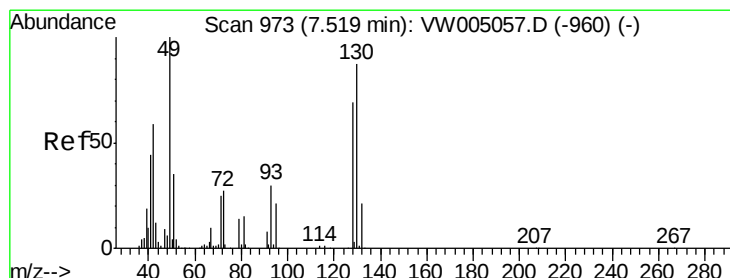
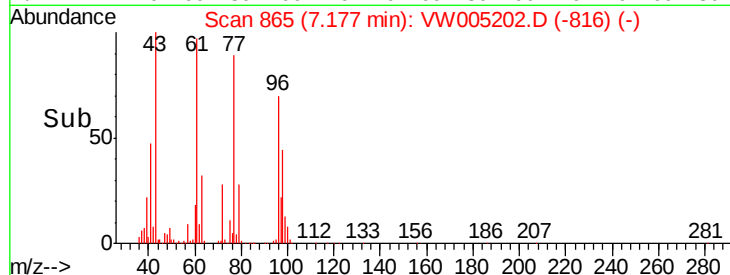
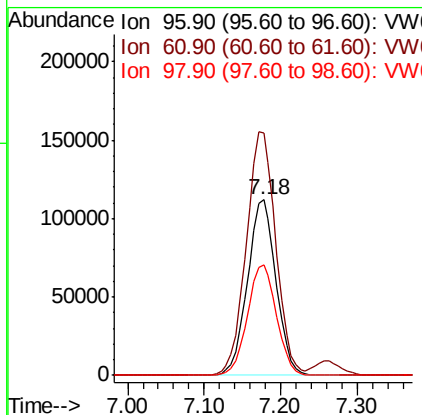
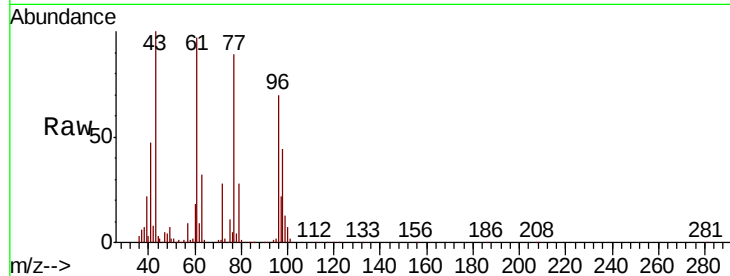
cis-1,2-Dichloroethene
 Concen: 50.63 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VW005202.D
 Acq: 07 Sep 2018 10:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	290264		
61	143.6	0.0	273.2	
98	63.9	0.0	127.8	

Manual Integrations
 APPROVED

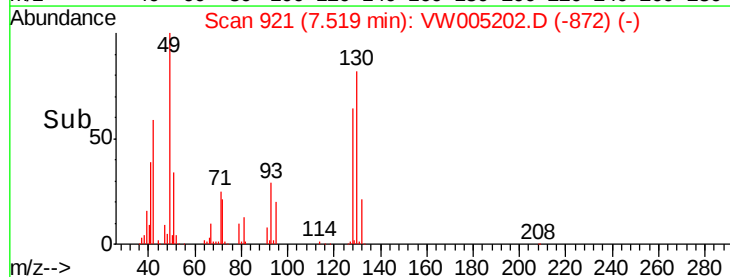
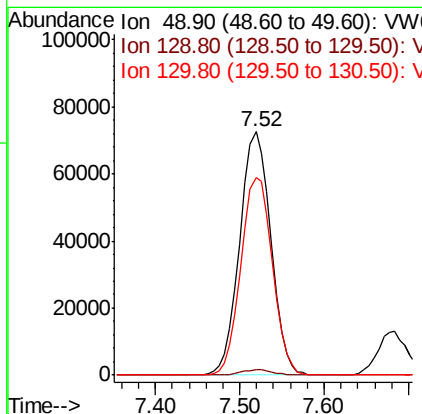
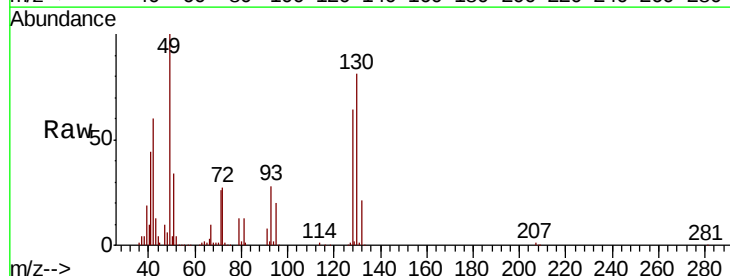
apatel
 9/10/2018 10:48:00 AM

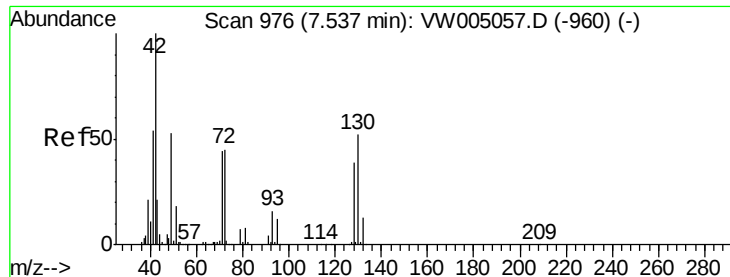


#28

Bromochloromethane
 Concen: 50.89 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW005202.D
 Acq: 07 Sep 2018 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	181161		
129	2.1	0.0	4.4	
130	82.3	69.6	104.4	





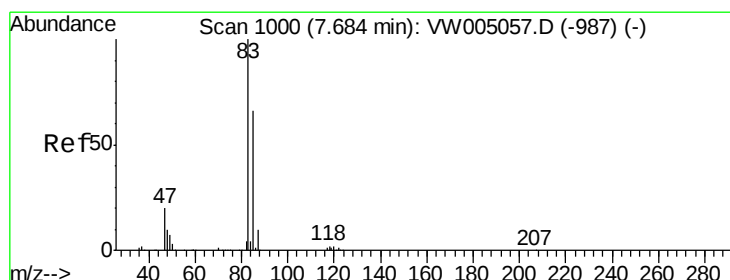
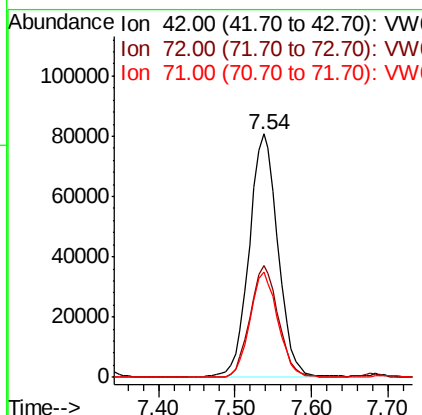
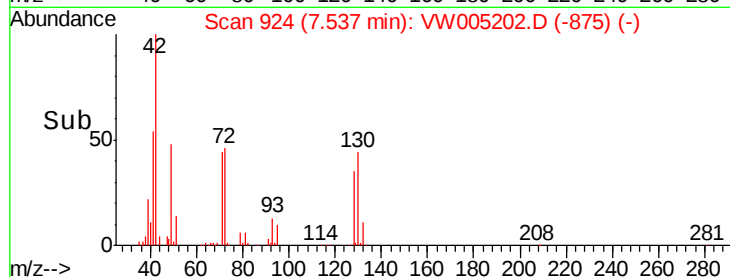
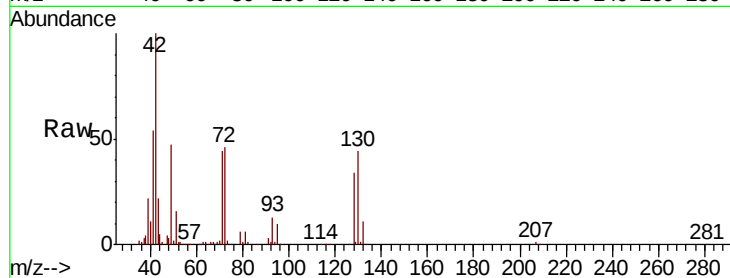
#29
Tetrahydrofuran
Concen: 269.74 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	37.0	55.4
71	42.1	35.0	52.6

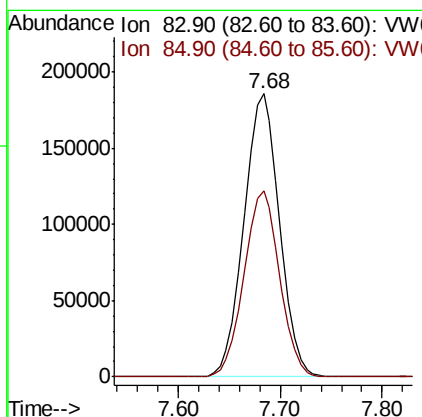
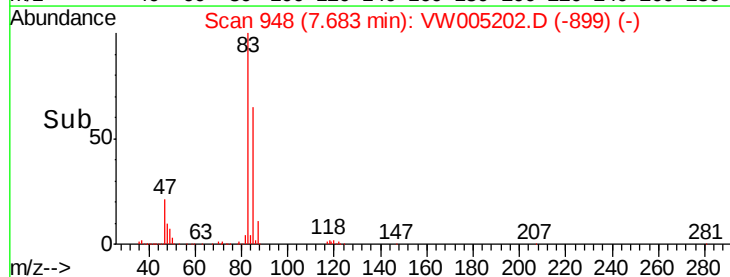
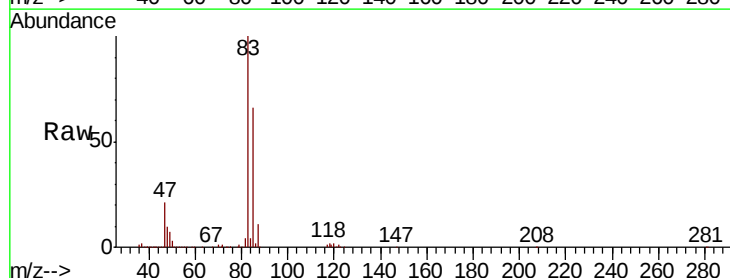
Manual Integrations
APPROVED

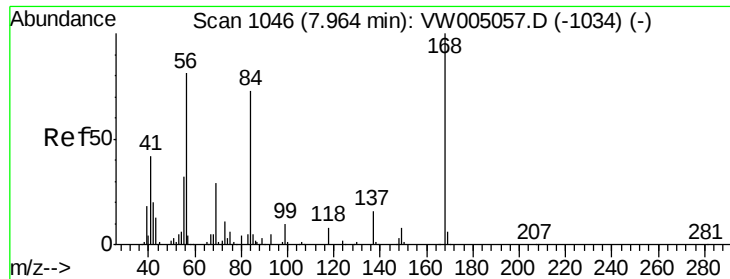
apatel
9/10/2018 10:48:00 AM



#30
Chloroform
Concen: 49.79 ug/l
RT: 7.68 min Scan# 948
Delta R.T. -0.00 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	53.1	79.7





#31

Cyclohexane

Concen: 55.80 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Instrument :

MSVOA_W

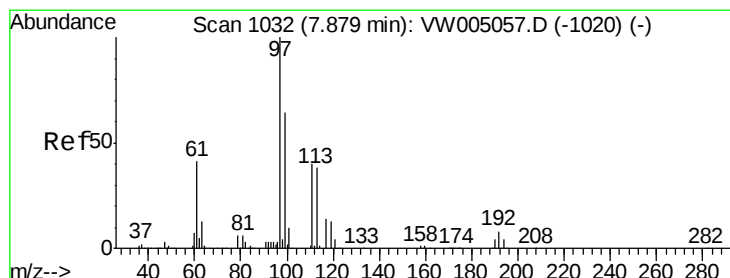
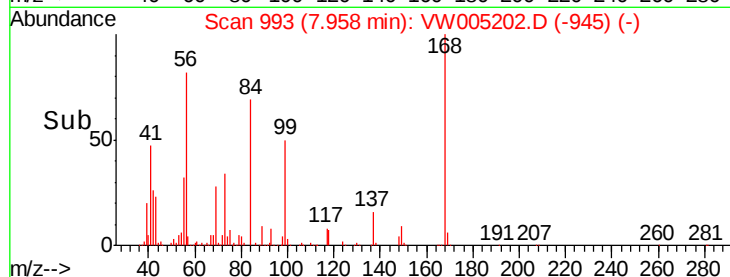
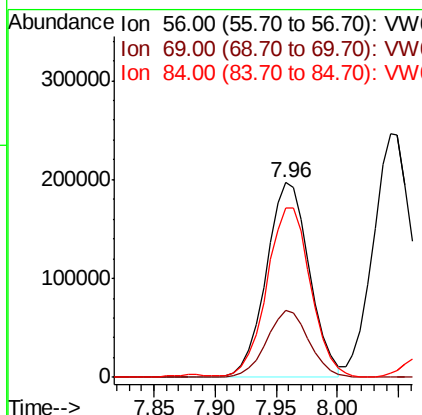
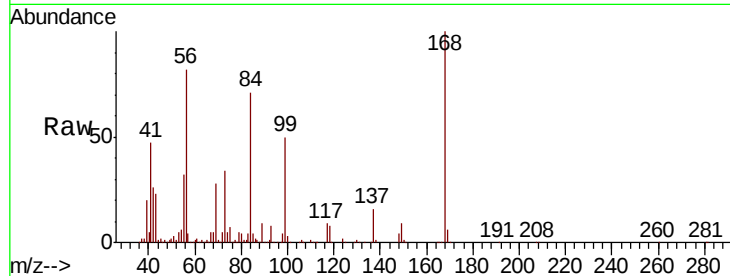
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	483299
Ion	Ratio	Lower	Upper
56	100		
69	34.2	28.2	42.2
84	85.6	71.8	107.8

Manual Integrations
APPROVED

apatel
9/10/2018 10:48:00 AM



#32

1,1,1-Trichloroethane

Concen: 52.38 ug/l

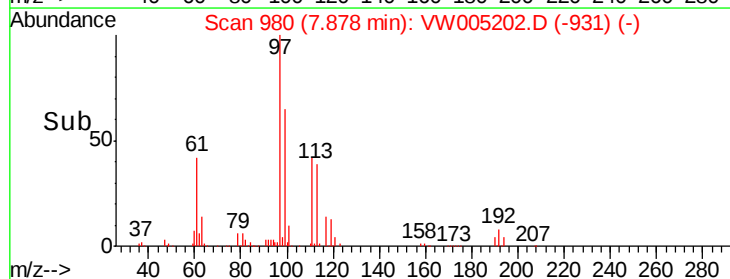
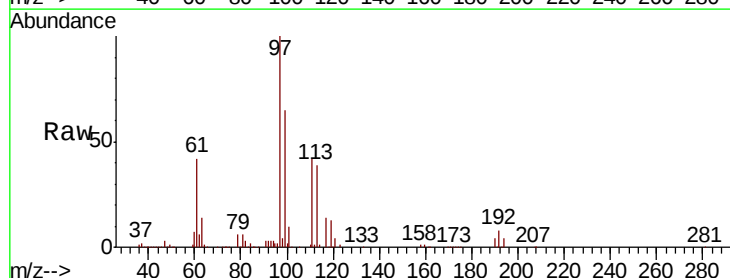
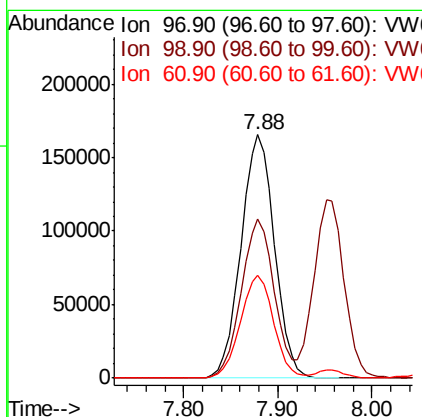
RT: 7.88 min Scan# 980

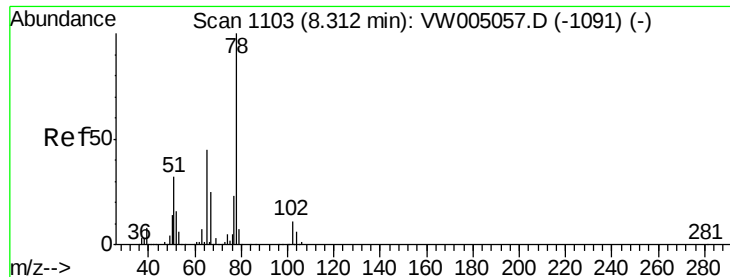
Delta R.T. -0.00 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Tgt Ion:	97	Resp:	411819
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.8
61	42.0	33.2	49.8





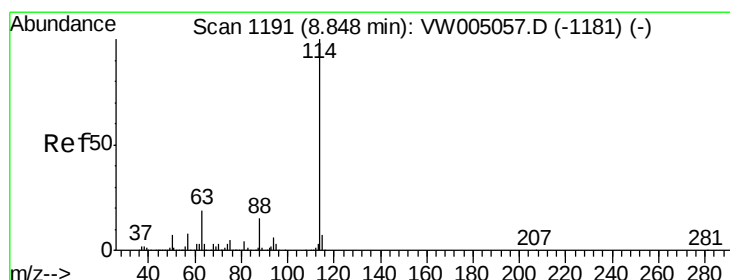
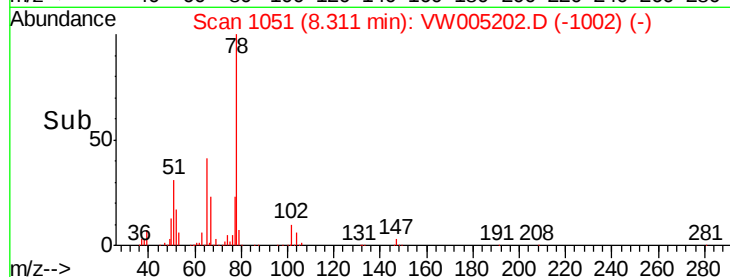
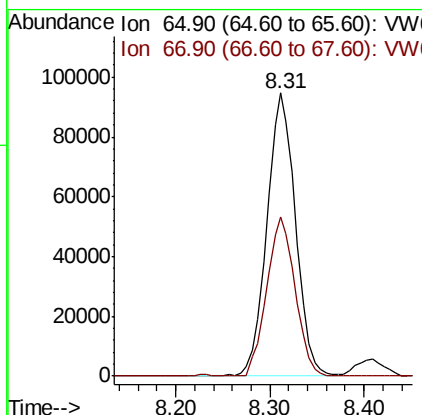
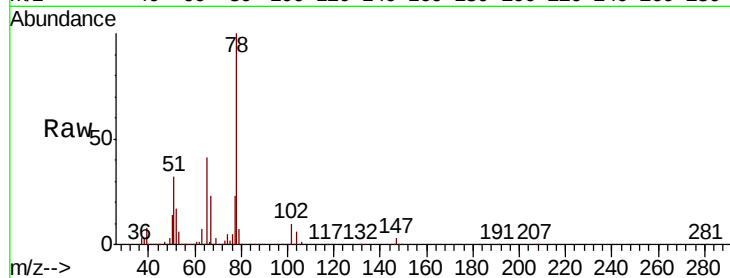
#33
 1,2-Dichloroethane-d4
 Concen: 45.74 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005202.D
 Acq: 07 Sep 2018 10:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	201721		
67	55.8	0.0	109.4	

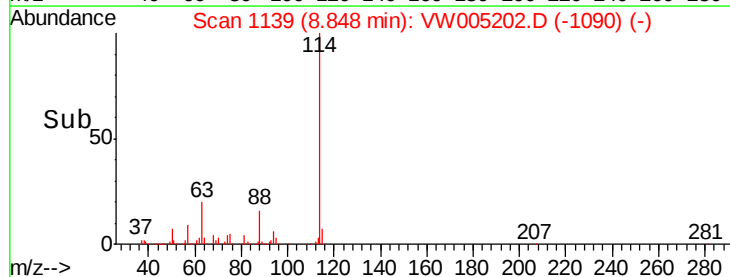
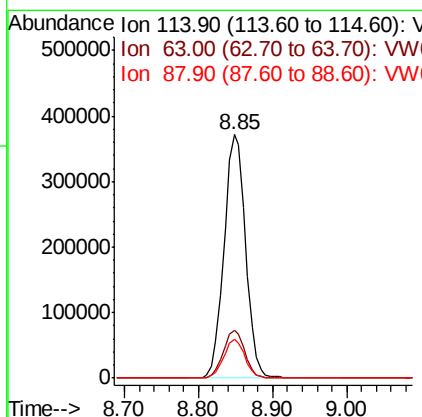
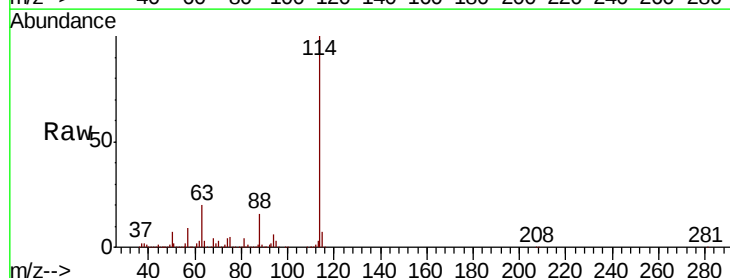
Manual Integrations
 APPROVED

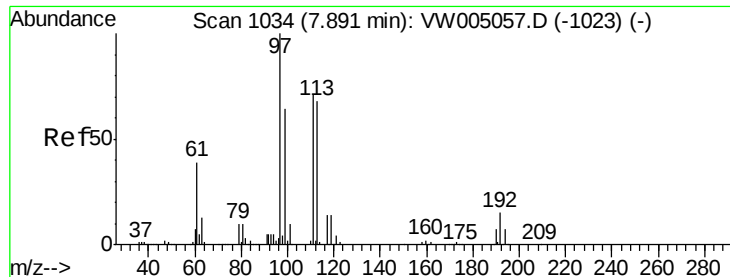
apatel
 9/10/2018 10:48:00 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005202.D
 Acq: 07 Sep 2018 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	750726		
63	19.6	0.0	38.0	
88	15.8	0.0	30.2	





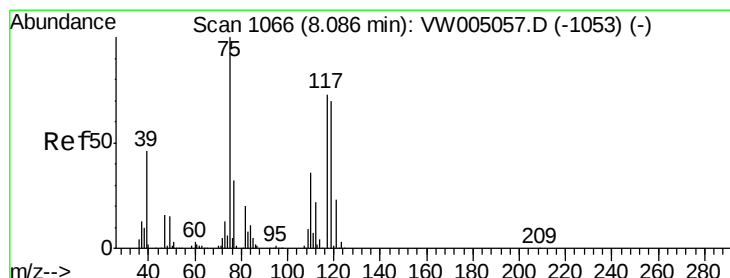
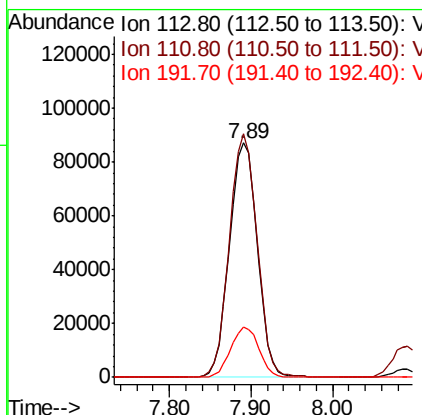
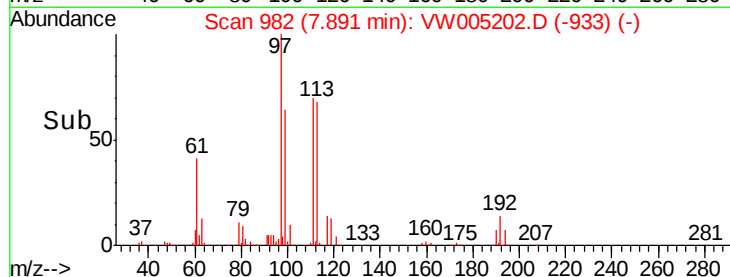
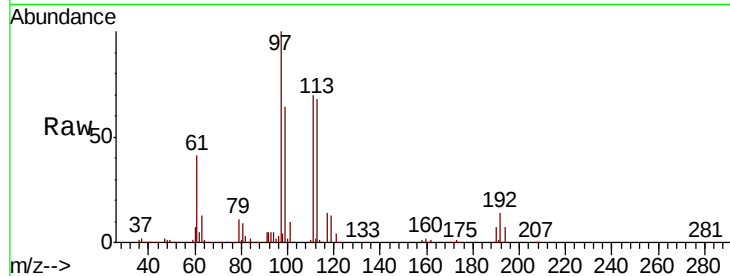
#35
 Dibromofluoromethane
 Concen: 47.49 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005202.D
 Acq: 07 Sep 2018 10:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	113	Resp:	206023
Ion Ratio	Lower	Upper	
113	100		
111	102.6	82.2	123.2
192	21.5	18.1	27.1

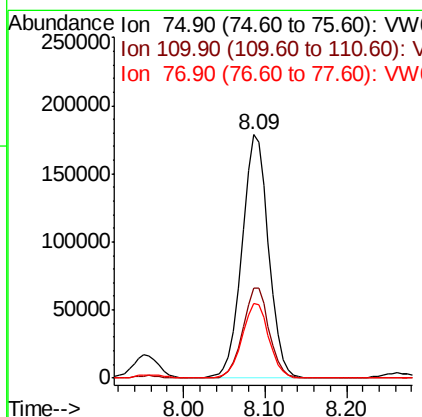
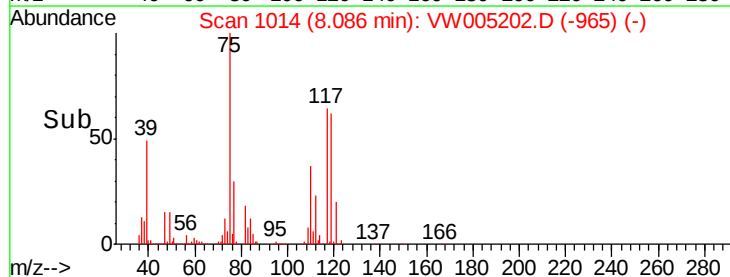
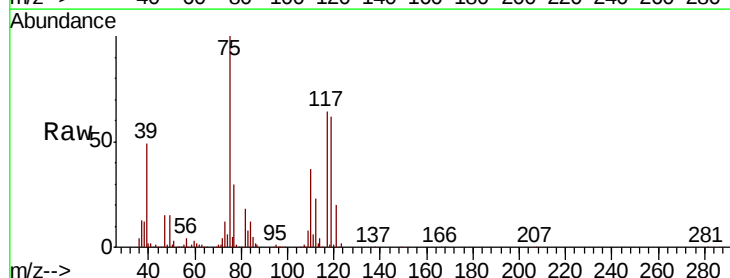
Manual Integrations
 APPROVED

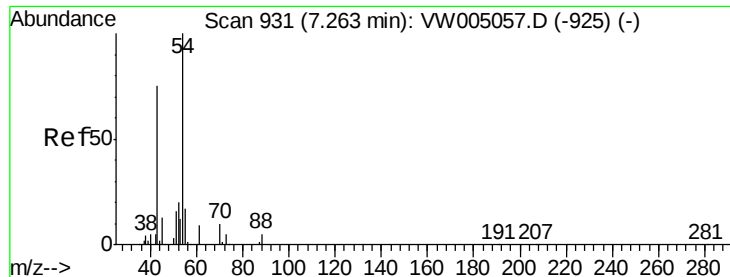
apatel
 9/10/2018 10:48:00 AM



#36
 1,1-Dichloropropene
 Concen: 56.29 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW005202.D
 Acq: 07 Sep 2018 10:38

Tgt Ion:	75	Resp:	402433
Ion Ratio	Lower	Upper	
75	100		
110	36.7	18.9	56.7
77	31.3	25.5	38.3





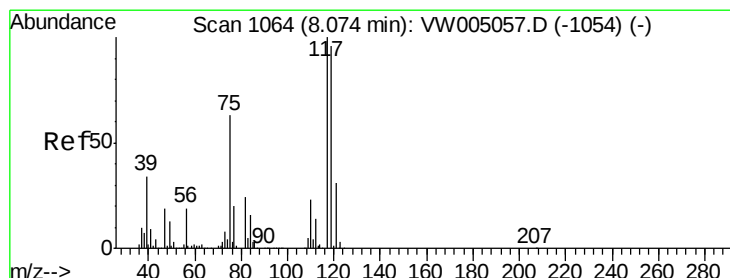
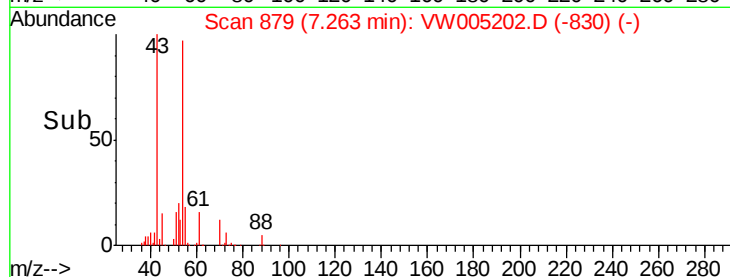
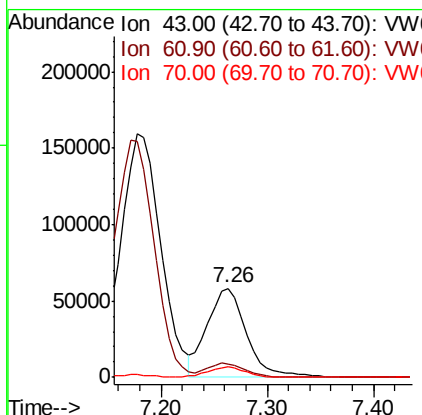
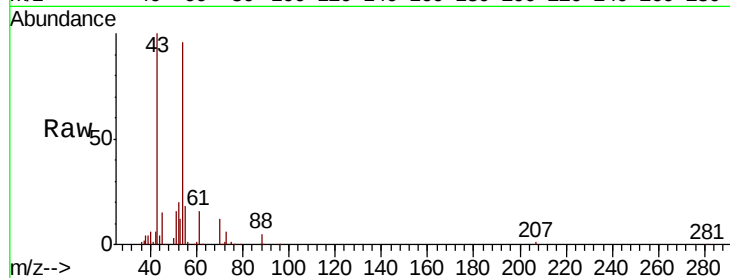
#37
Ethyl Acetate
Concen: 55.35 ug/l
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.1	18.1
70	11.8	9.4	14.2

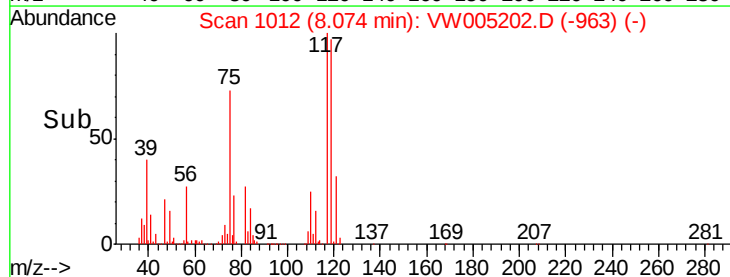
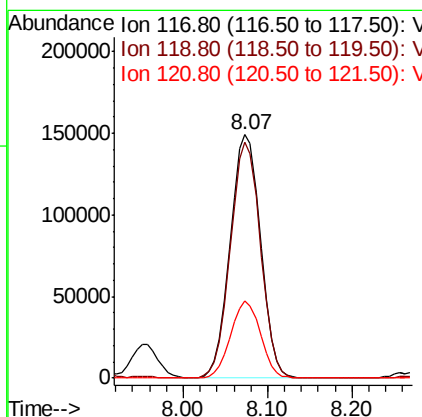
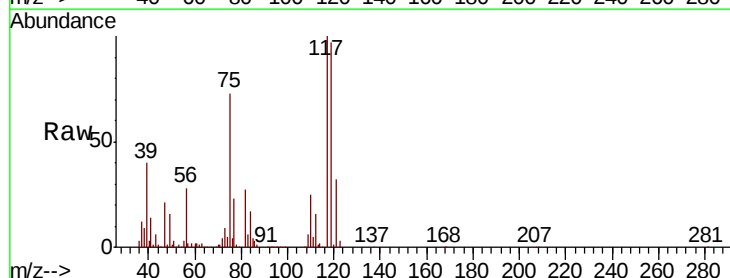
Manual Integrations
APPROVED

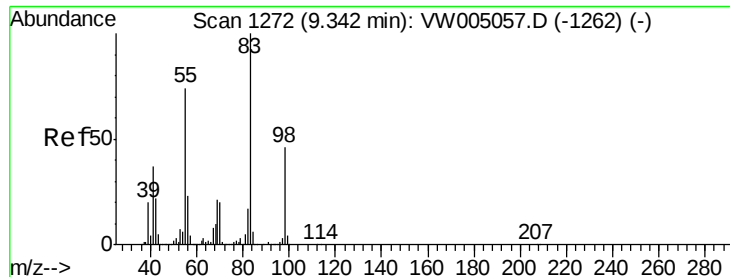
apatel
9/10/2018 10:48:00 AM



#38
Carbon Tetrachloride
Concen: 53.52 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	76.6	115.0
121	31.7	24.8	37.2





#39

Methvlcvclohexane

Concen: 60.70 ug/l

RT: 9.34 min Scan# 1220

Delta R.T. -0.00 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Instrument :

MSVOA_W

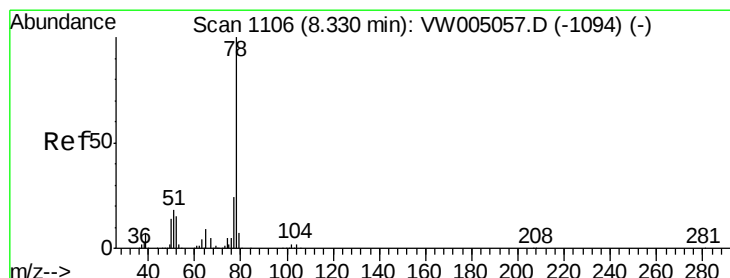
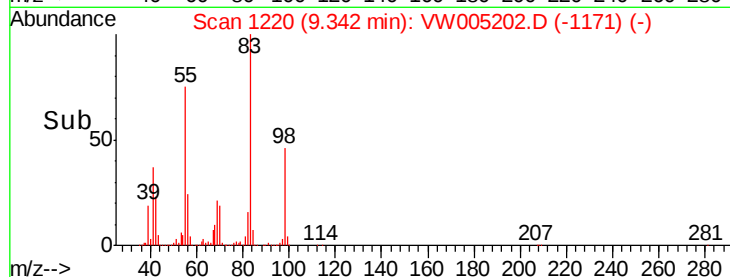
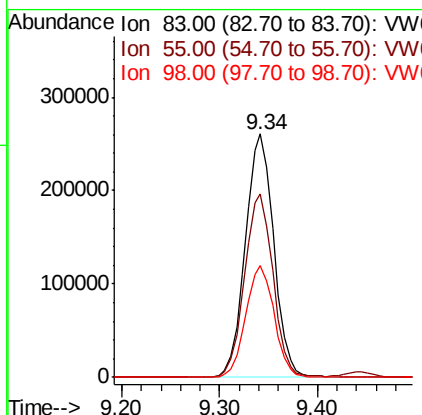
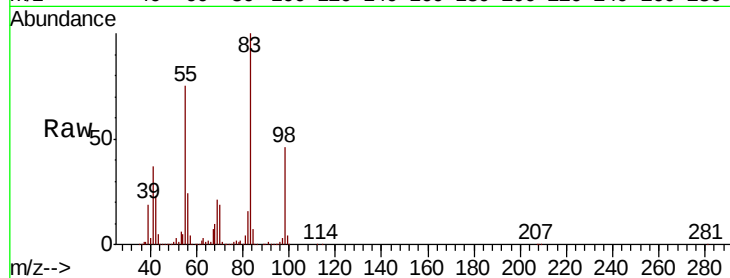
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	524857
Ion	Ratio	Lower	Upper
83	100		
55	75.4	58.9	88.3
98	45.9	36.8	55.2

Manual Integrations
APPROVED

apatel
9/10/2018 10:48:00 AM



#40

Benzene

Concen: 53.91 ug/l

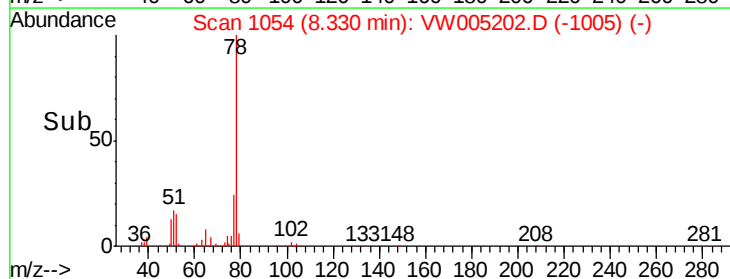
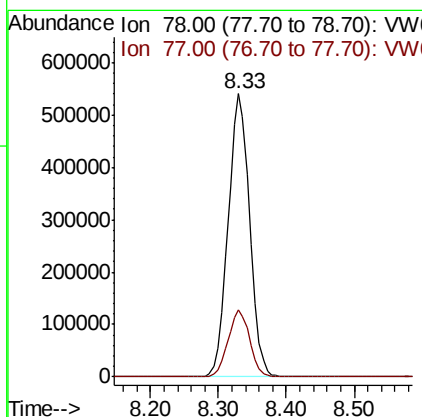
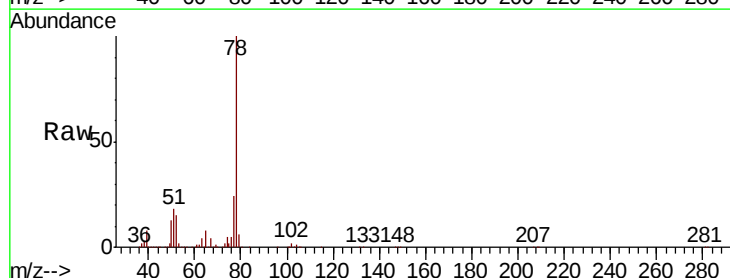
RT: 8.33 min Scan# 1054

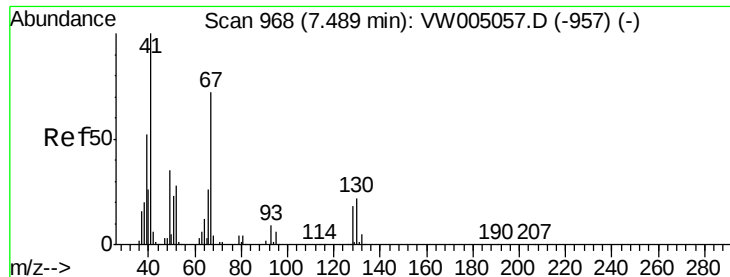
Delta R.T. -0.00 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Tgt Ion:	78	Resp:	1179933
Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.4	29.0





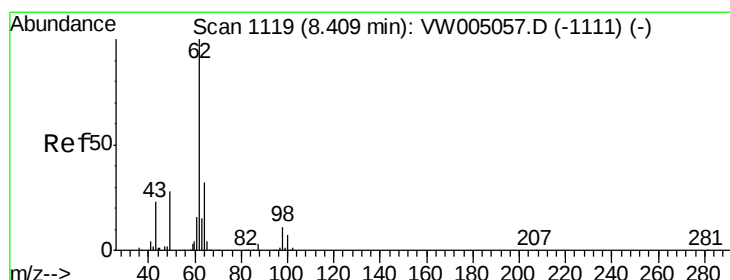
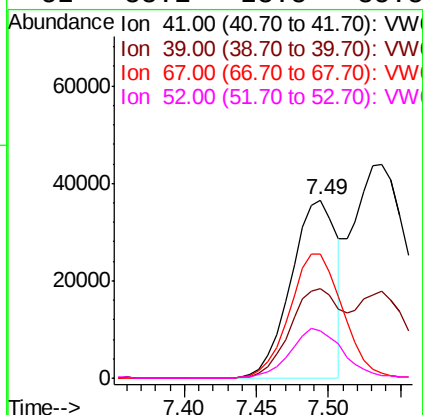
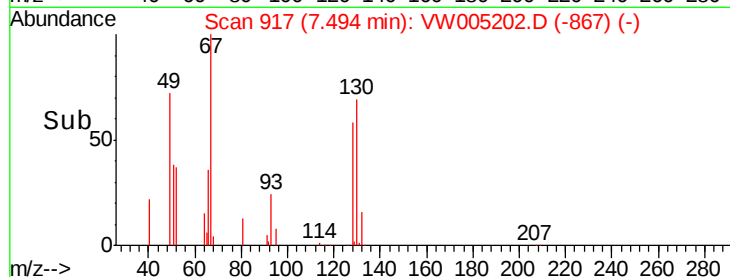
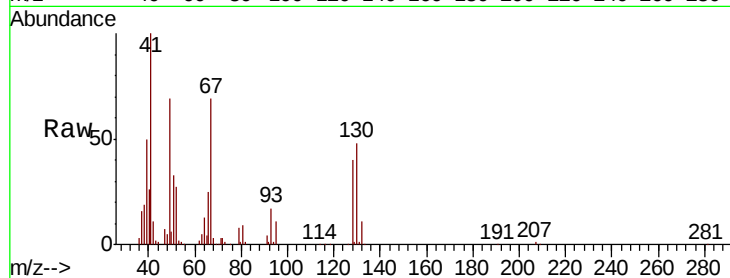
#41
Methacrylonitrile
Concen: 52.09 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.7	41.8	62.8
67	81.4	60.4	90.6
52	33.1	23.8	35.8

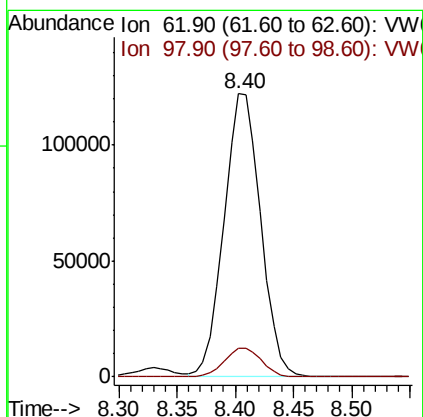
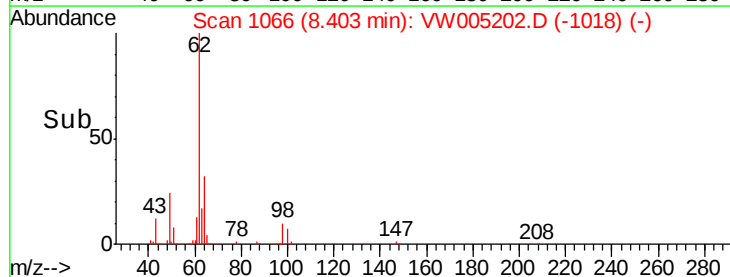
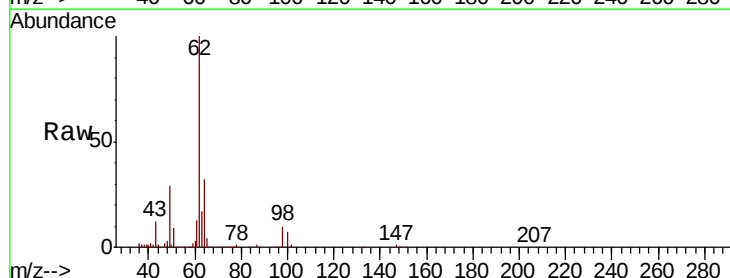
Manual Integrations
APPROVED

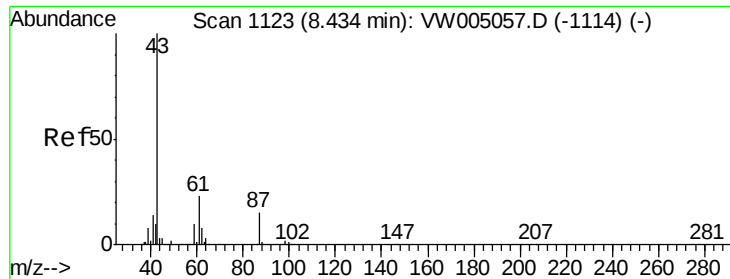
apatel
9/10/2018 10:48:00 AM



#42
1,2-Dichloroethane
Concen: 49.73 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	21.8





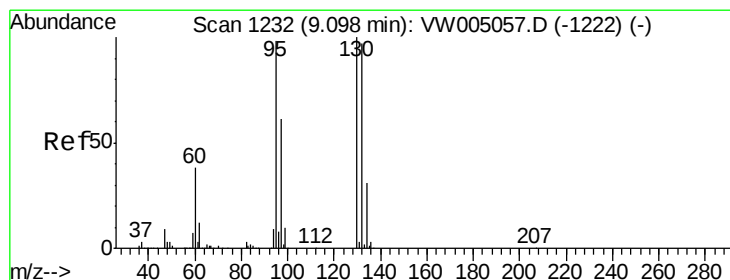
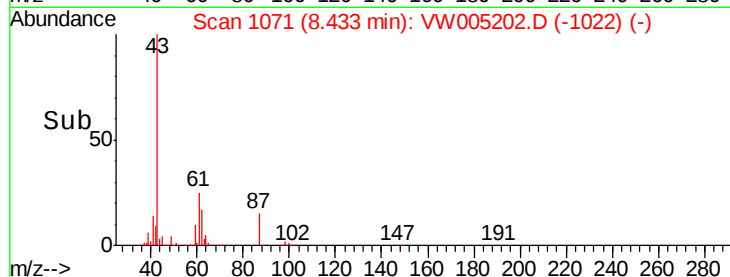
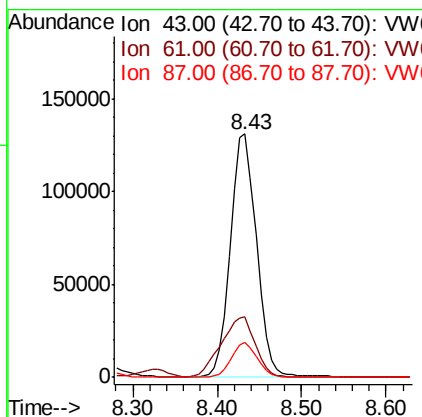
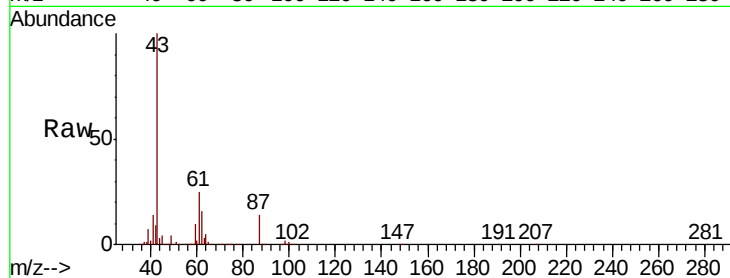
#43
Isopropyl Acetate
Concen: 56.55 ug/l
RT: 8.43 min Scan# 1071
Delta R.T. -0.00 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.3	26.8	40.2
87	14.2	11.6	17.4

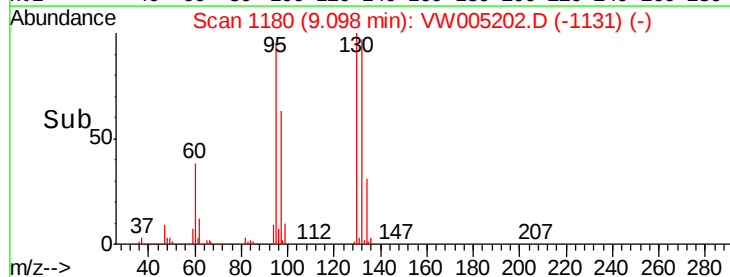
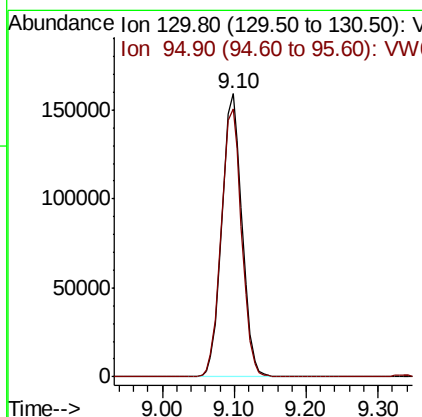
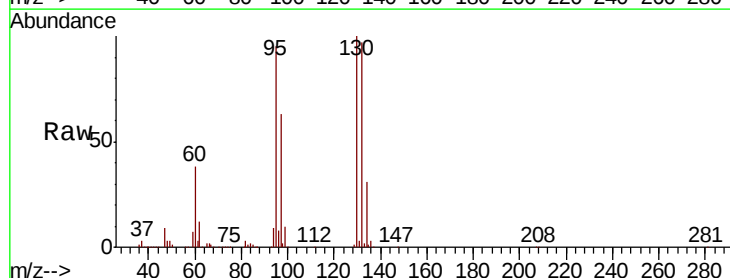
Manual Integrations
APPROVED

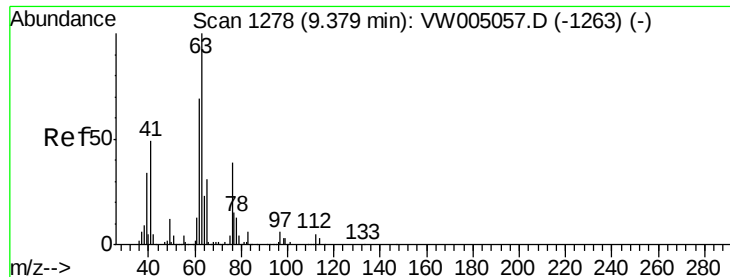
apatel
9/10/2018 10:48:00 AM



#44
Trichloroethene
Concen: 52.42 ug/l
RT: 9.10 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	195.2





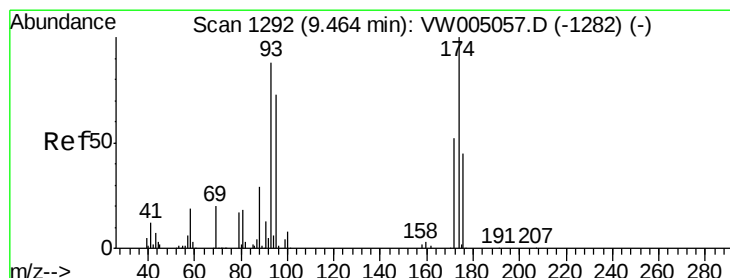
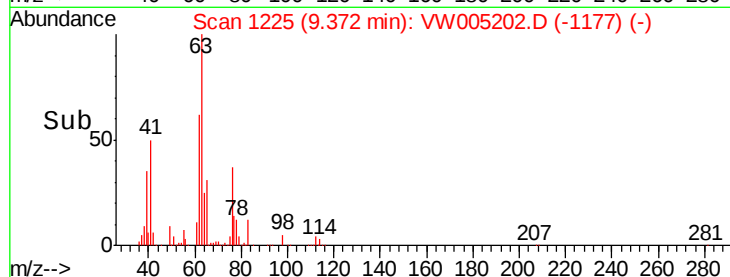
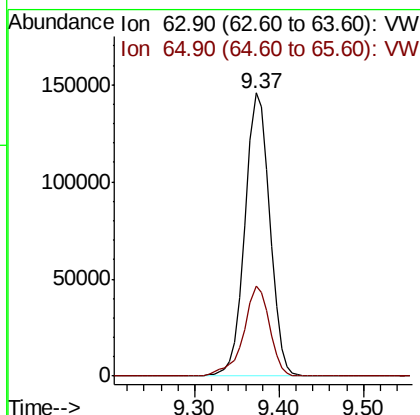
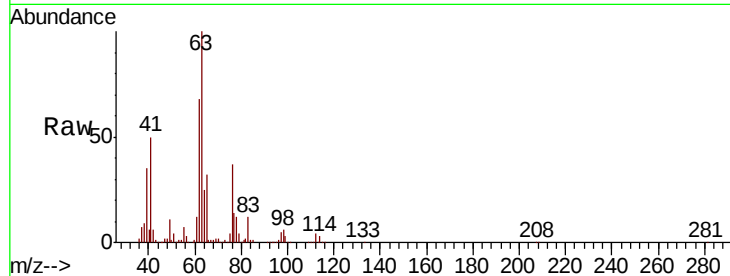
#45
 1,2-Dichloropropane
 Concen: 53.91 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: VW005202.D
 Acq: 07 Sep 2018 10:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.6	37.0

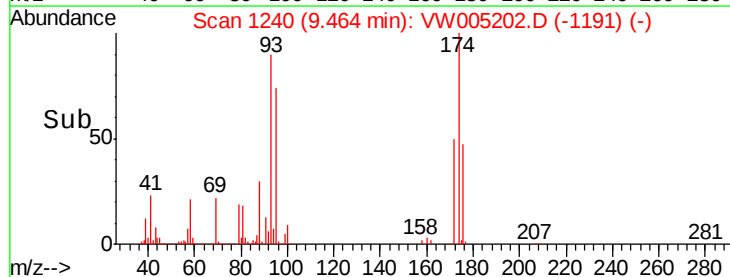
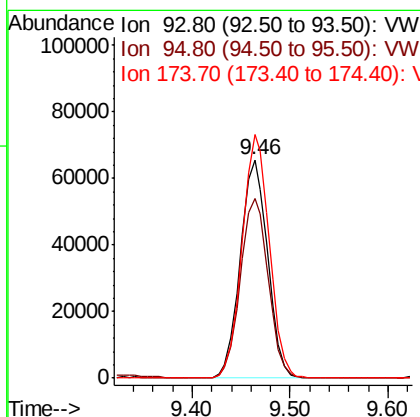
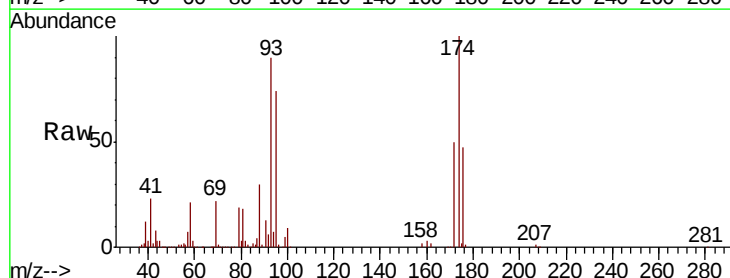
Manual Integrations
 APPROVED

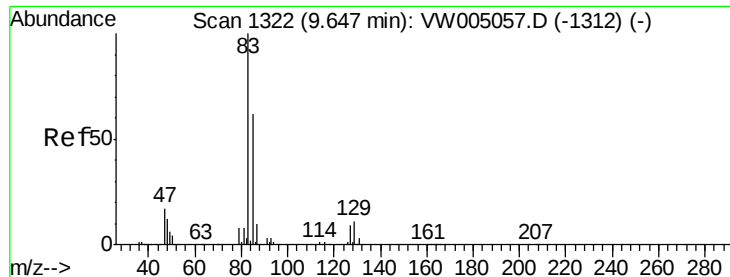
apatel
 9/10/2018 10:48:00 AM



#46
 Dibromomethane
 Concen: 49.61 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW005202.D
 Acq: 07 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.0	66.2	99.4
174	110.9	92.0	138.0





#47

Bromodichloromethane

Concen: 51.58 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Instrument :

MSVOA_W

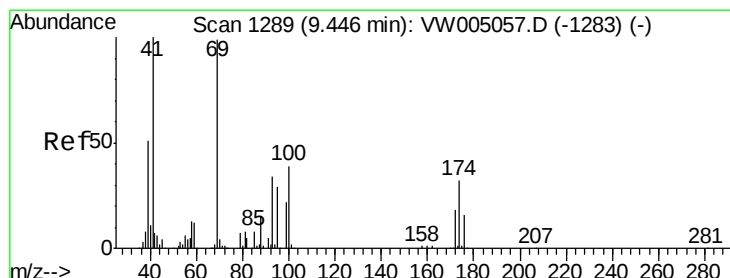
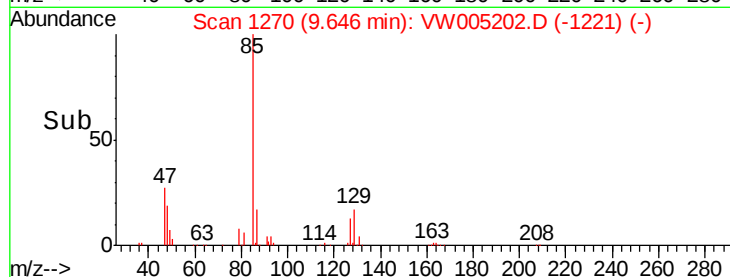
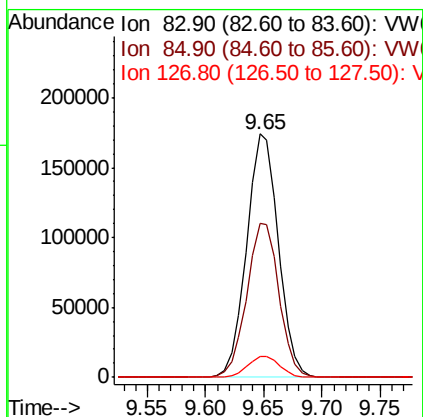
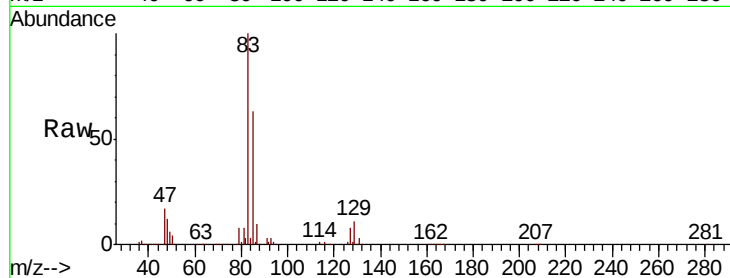
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	332059
Ion Ratio	Lower	Upper	
83	100		
85	63.4	49.8	74.6
127	8.4	7.0	10.4

Manual Integrations
APPROVED

apatel
9/10/2018 10:48:00 AM



#48

Methyl methacrylate

Concen: 63.12 ug/l

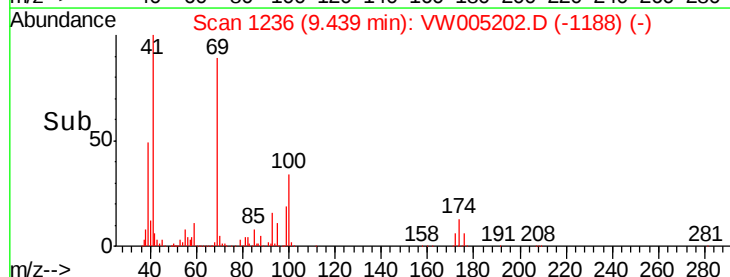
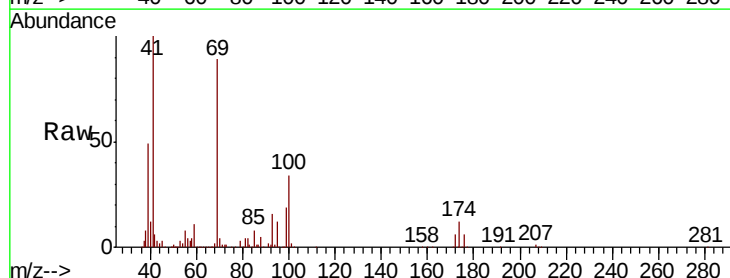
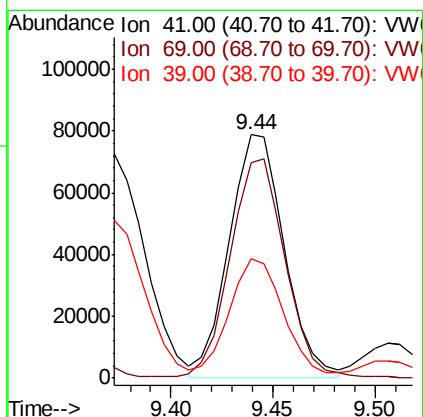
RT: 9.44 min Scan# 1236

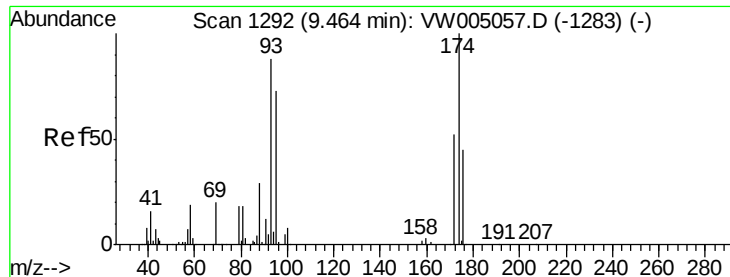
Delta R.T. -0.01 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Tgt Ion:	41	Resp:	147874
Ion Ratio	Lower	Upper	
41	100		
69	90.1	80.4	120.6
39	44.1	43.5	65.3





#49

1,4-Dioxane

Concen: 1160.16 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Instrument :

MSVOA_W

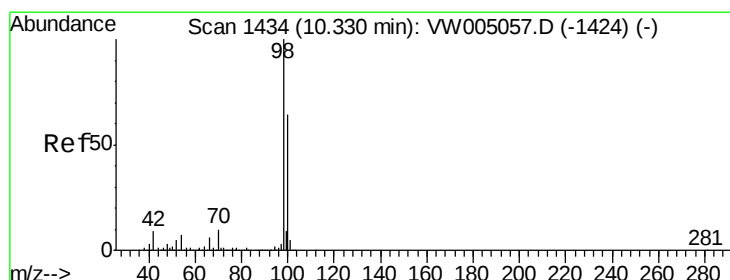
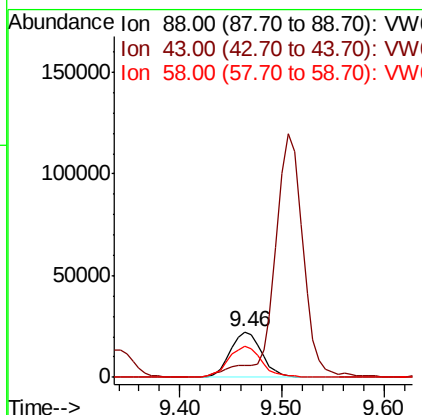
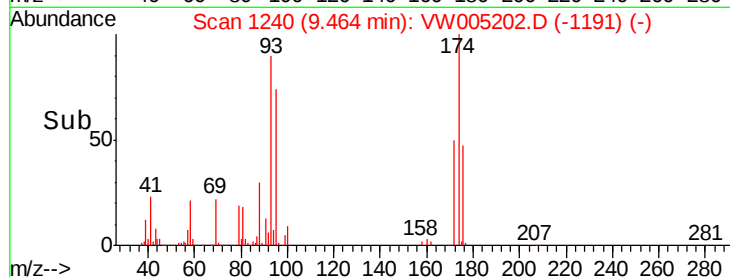
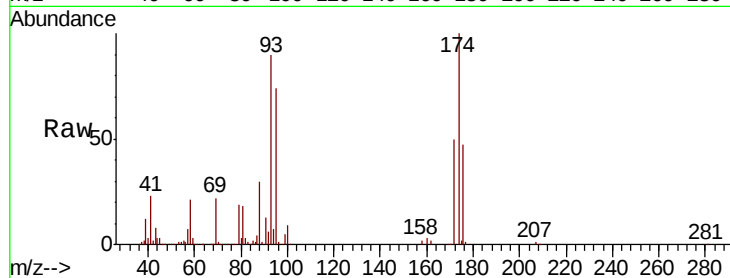
ClientSampleId :

VSTDCCC050

Tot Ion	88	Resp	47971
Ion	Ratio	Lower	Upper
88	100		
43	0.0	19.8	29.6#
58	72.7	57.1	85.7

Manual Integrations
APPROVED

apatel
9/10/2018 10:48:00 AM



#50

Toluene-d8

Concen: 52.14 ug/l

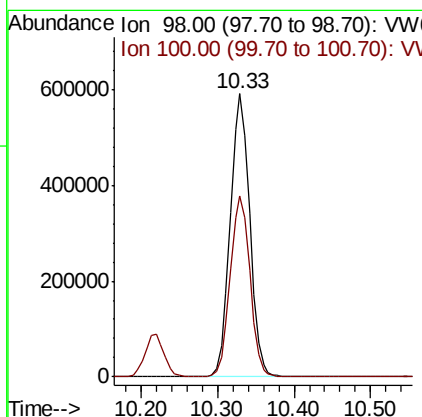
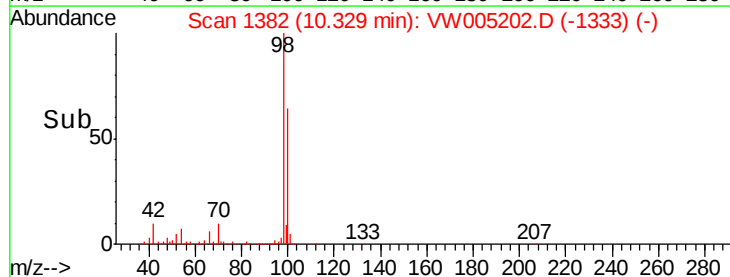
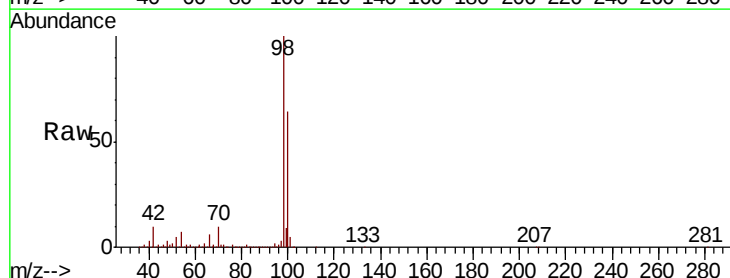
RT: 10.33 min Scan# 1382

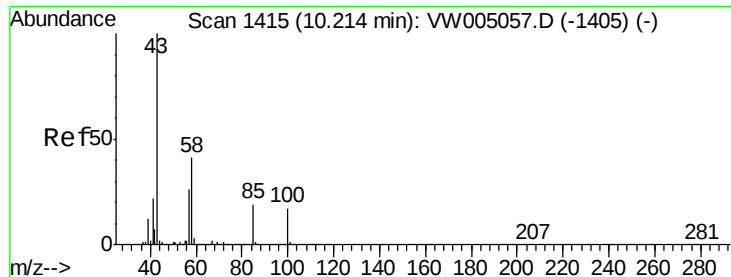
Delta R.T. -0.00 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Tgt Ion	98	Resp	1042228
Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 292.41 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 953536

Ion Ratio Lower Upper

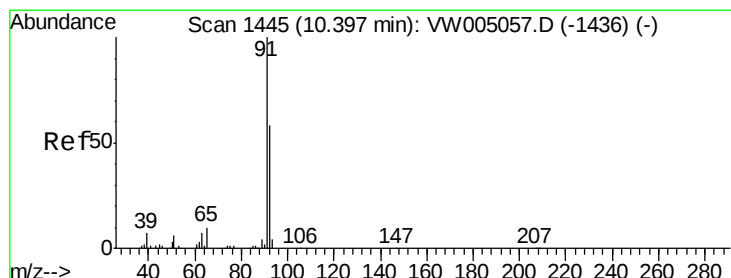
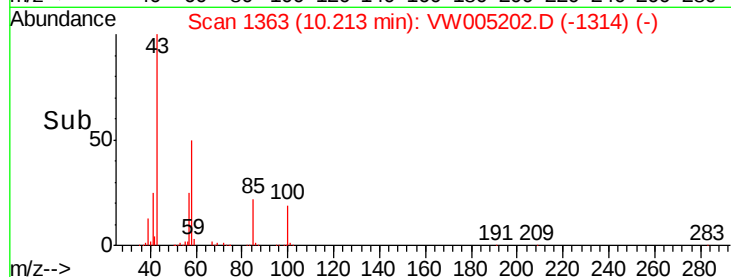
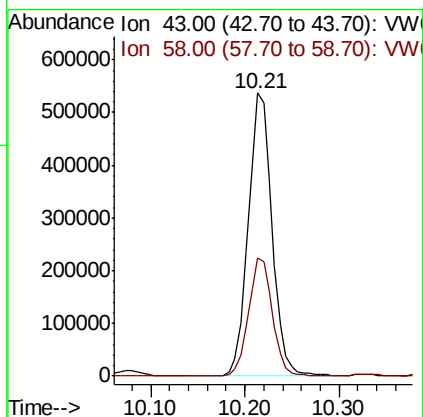
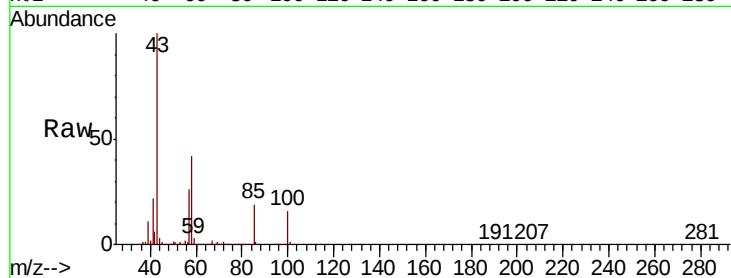
43 100

58 41.8 33.3 49.9

Manual Integrations
APPROVED

apatel

9/10/2018 10:48:00 AM



#52

Toluene

Concen: 55.68 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW005202.D

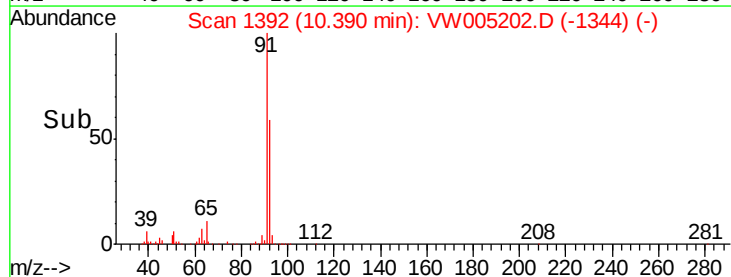
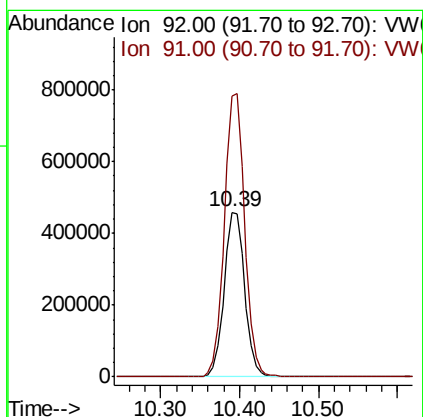
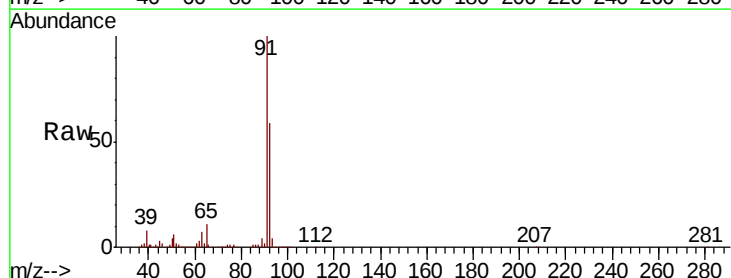
Acq: 07 Sep 2018 10:38

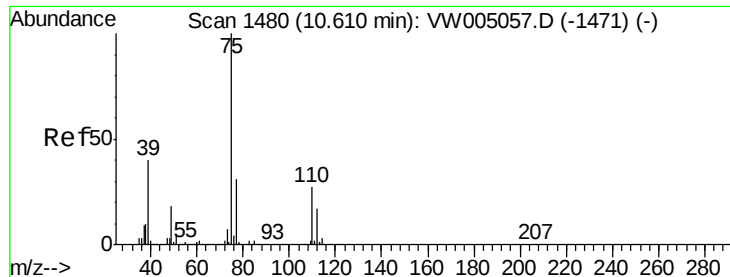
Tgt Ion: 92 Resp: 825811

Ion Ratio Lower Upper

92 100

91 171.6 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 55.55 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 351396

Ion Ratio Lower Upper

75 100

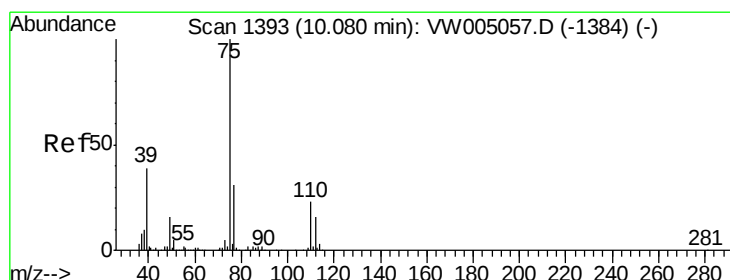
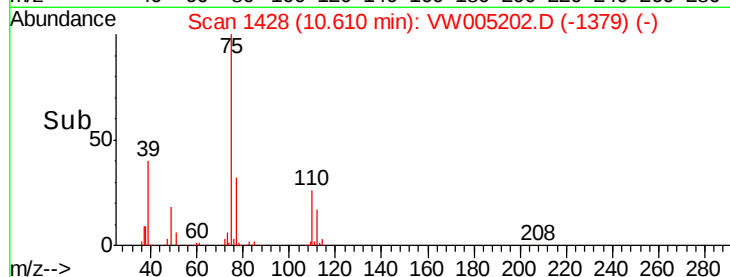
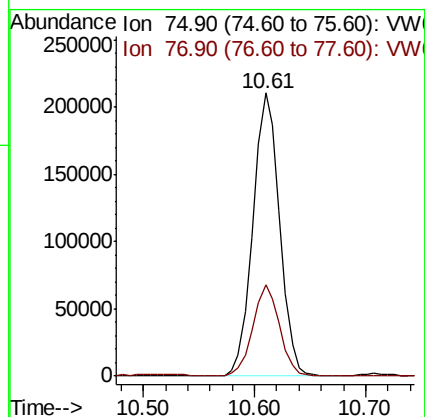
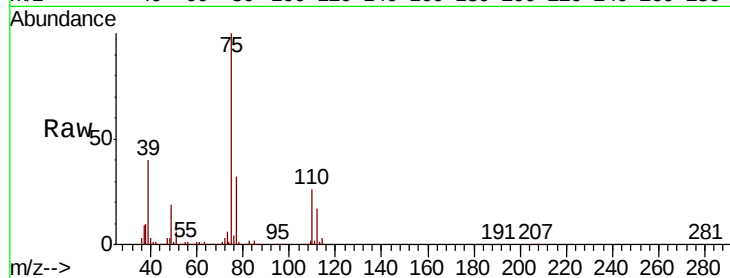
77 32.0 25.0 37.6

Manual Integrations

APPROVED

apatel

9/10/2018 10:48:00 AM



#54

cis-1,3-Dichloropropene

Concen: 55.54 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

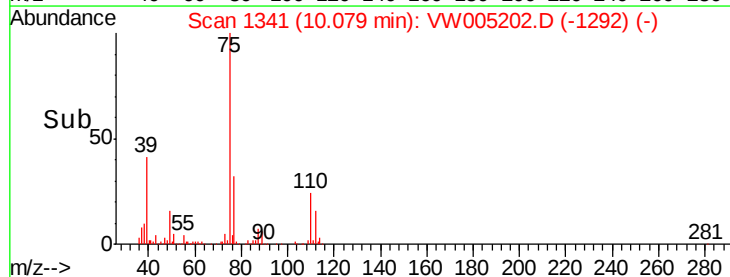
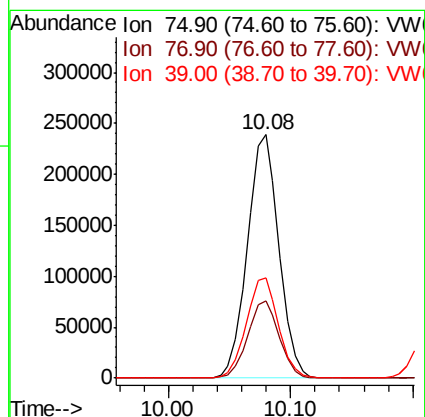
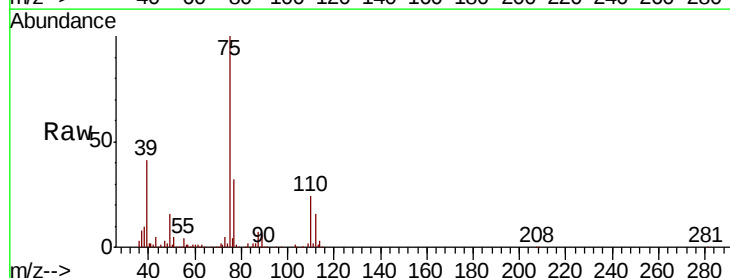
Tgt Ion: 75 Resp: 427271

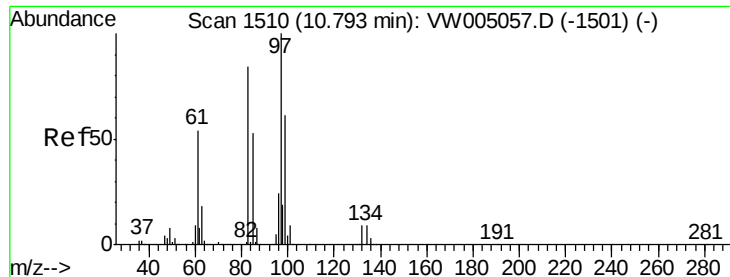
Ion Ratio Lower Upper

75 100

77 31.7 24.9 37.3

39 41.3 31.0 46.6





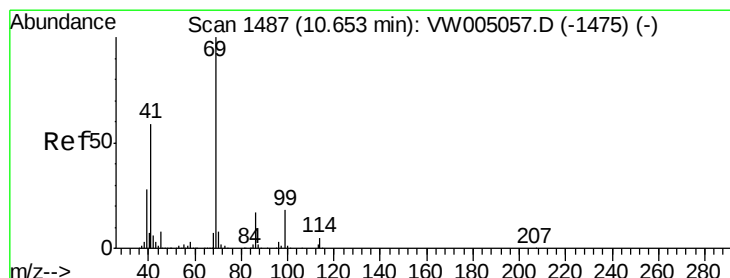
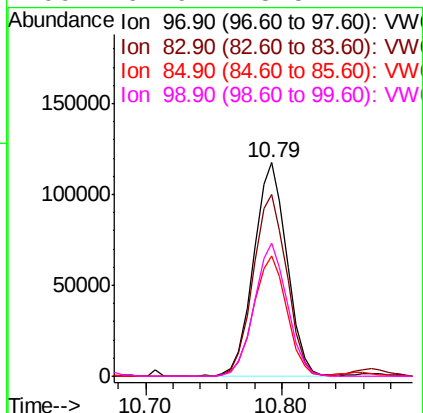
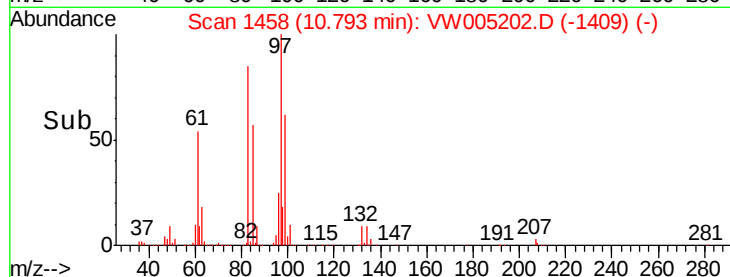
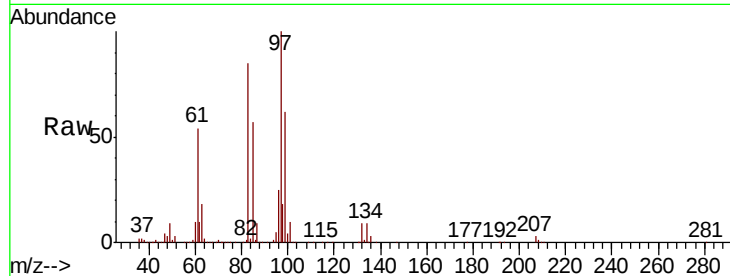
#55
 1,1,2-Trichloroethane
 Concen: 50.77 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW005202.D
 Acq: 07 Sep 2018 10:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.2	67.0	100.6
85	56.6	42.3	63.5
99	61.9	48.5	72.7

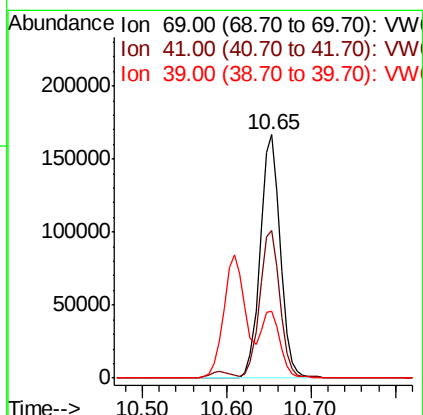
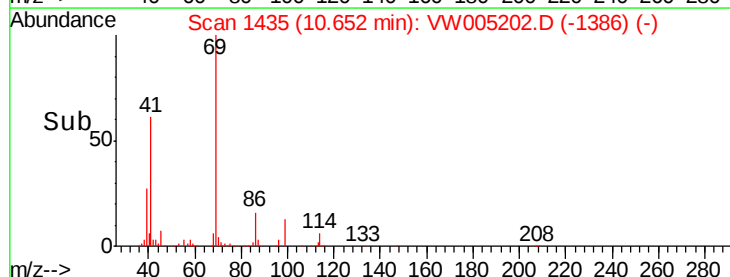
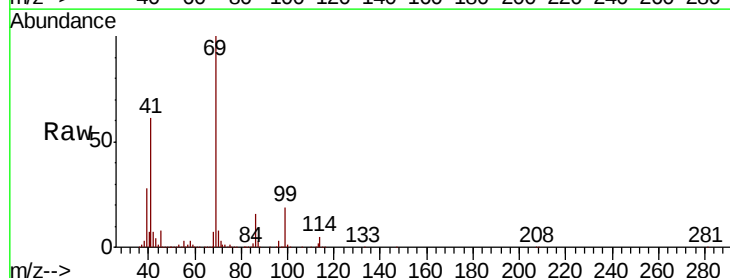
Manual Integrations
 APPROVED

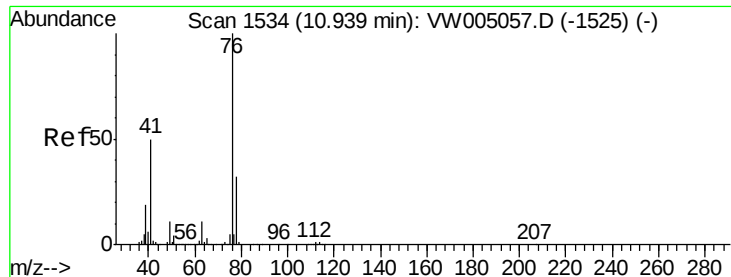
apatel
 9/10/2018 10:48:00 AM



#56
 Ethyl methacrylate
 Concen: 60.53 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW005202.D
 Acq: 07 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.0	47.8	71.6
39	25.8	21.1	31.7





#57

1,3-Dichloropropane

Concen: 52.97 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 345240

Ion Ratio Lower Upper

76 100

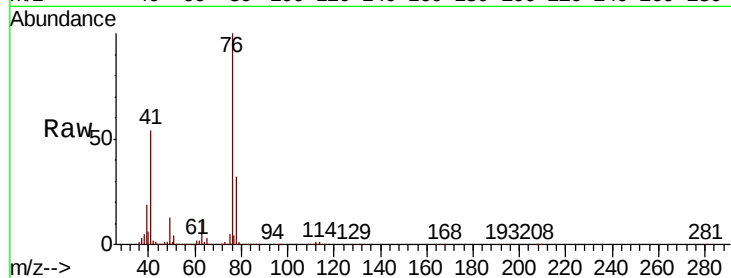
78 32.1 26.3 39.5

Manual Integrations

APPROVED

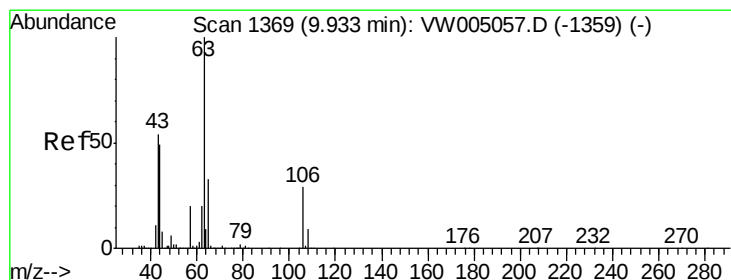
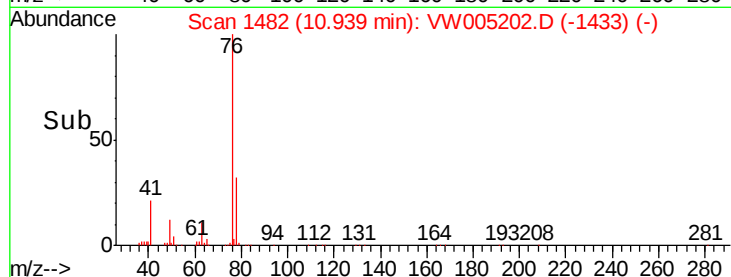
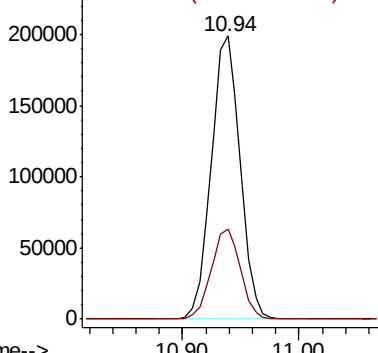
apatel

9/10/2018 10:48:00 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 281.22 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VW005202.D

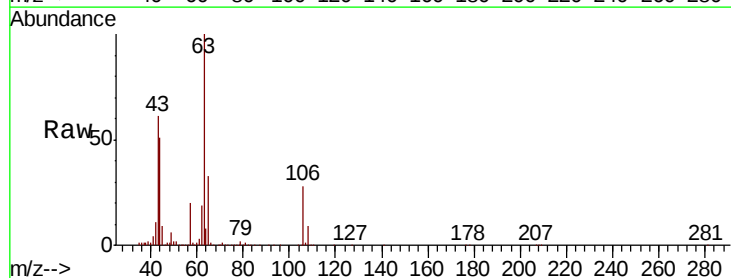
Acq: 07 Sep 2018 10:38

Tgt Ion: 63 Resp: 601851

Ion Ratio Lower Upper

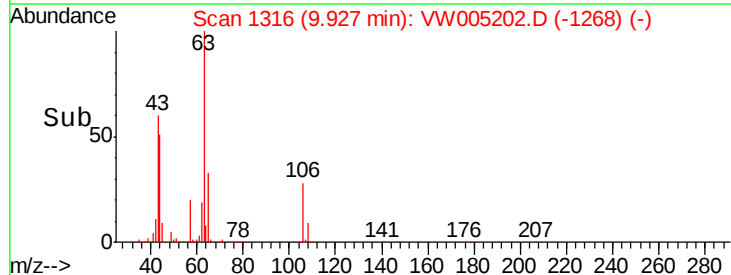
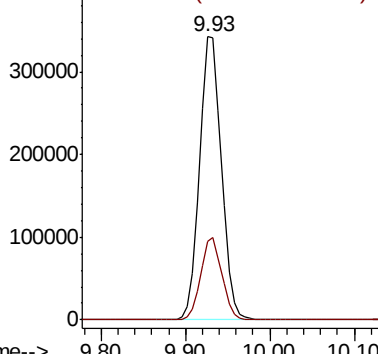
63 100

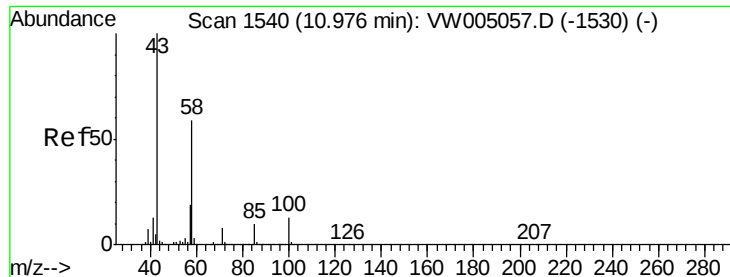
106 28.1 23.1 34.7



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V





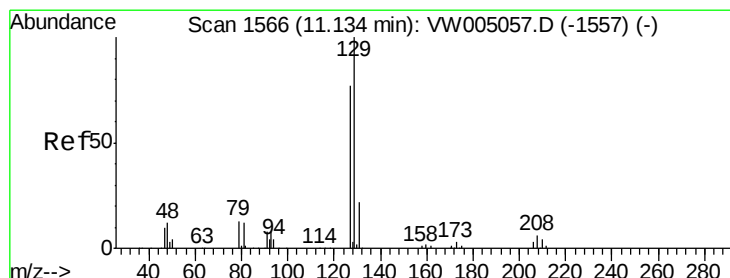
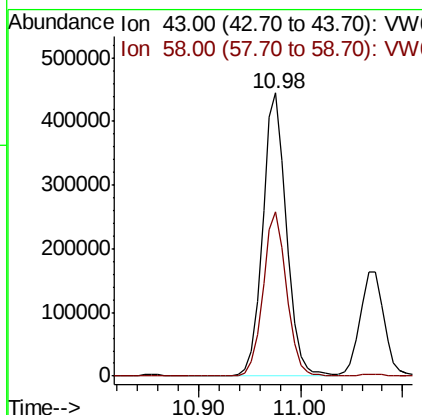
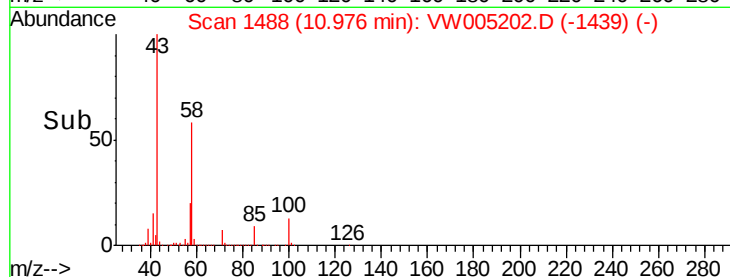
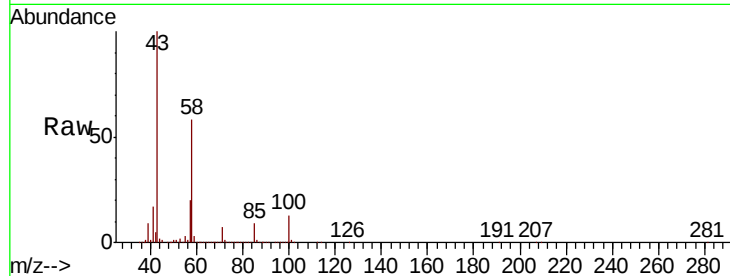
#59
2-Hexanone
Concen: 325.41 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 717714
Ion Ratio Lower Upper
43 100
58 57.4 28.7 86.3

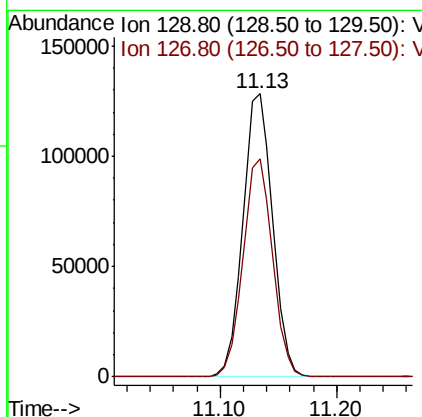
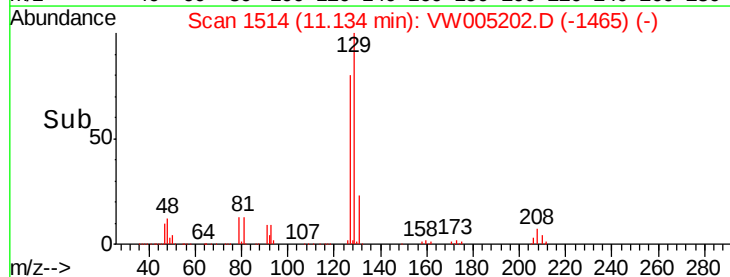
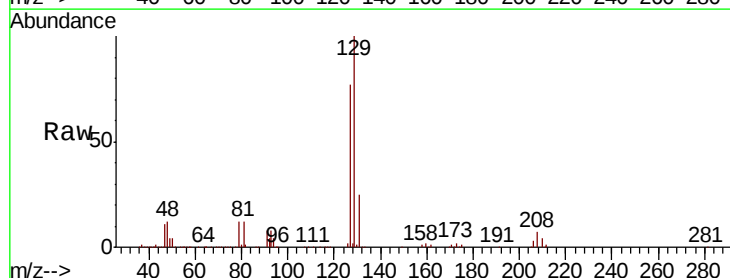
Manual Integrations
APPROVED

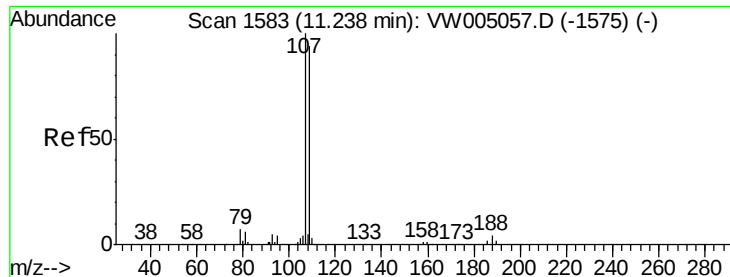
apatel
9/10/2018 10:48:00 AM



#60
Dibromochloromethane
Concen: 51.12 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Tgt Ion: 129 Resp: 228785
Ion Ratio Lower Upper
129 100
127 76.7 38.9 116.7





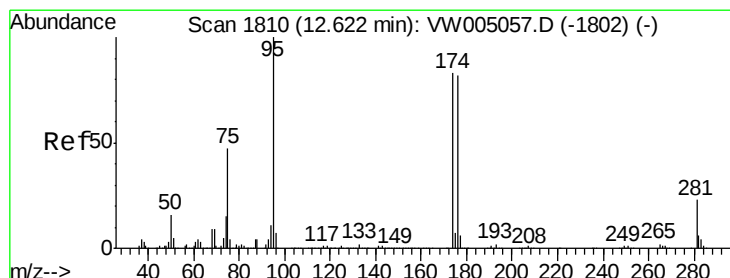
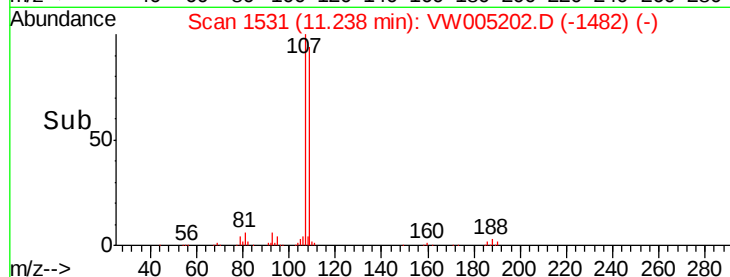
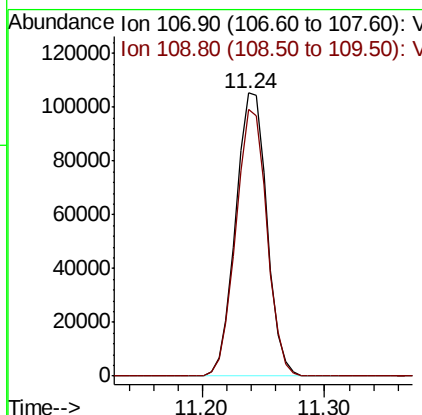
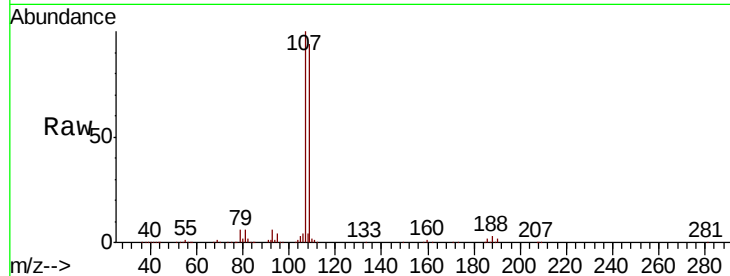
#61
 1,2-Dibromoethane
 Concen: 52.12 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW005202.D
 Acq: 07 Sep 2018 10:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.9	113.9

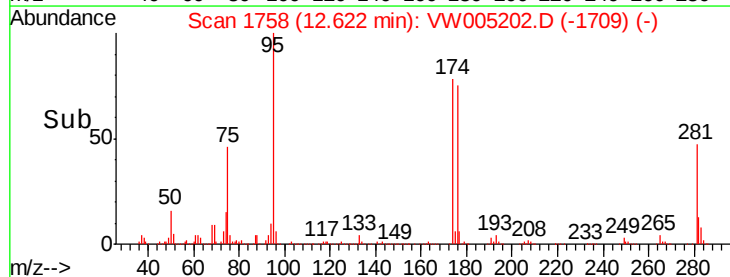
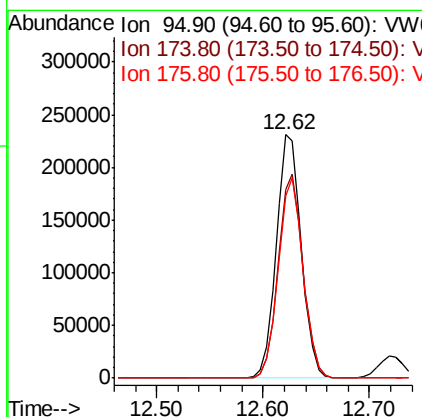
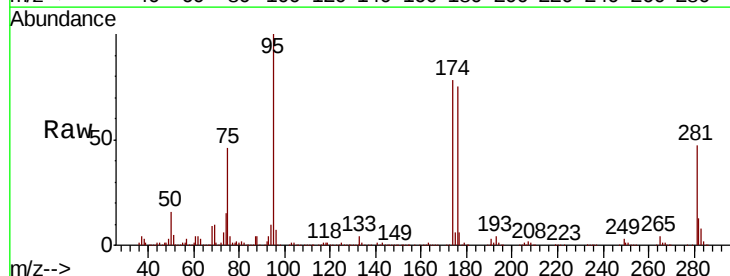
Manual Integrations
 APPROVED

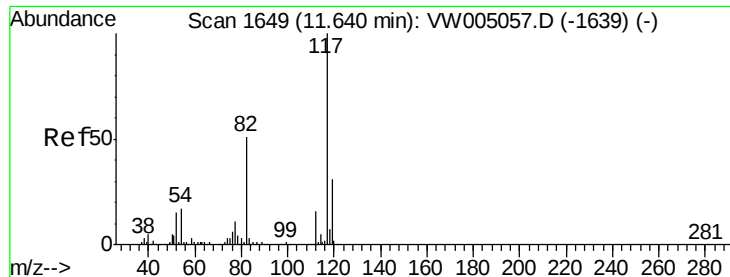
apatel
 9/10/2018 10:48:00 AM



#62
 4-Bromofluorobenzene
 Concen: 53.23 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW005202.D
 Acq: 07 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.1	0.0	173.4
176	81.2	0.0	167.4





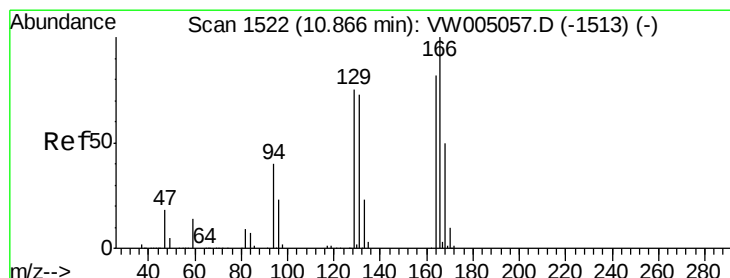
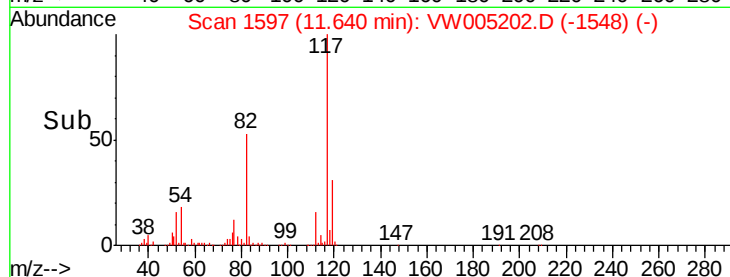
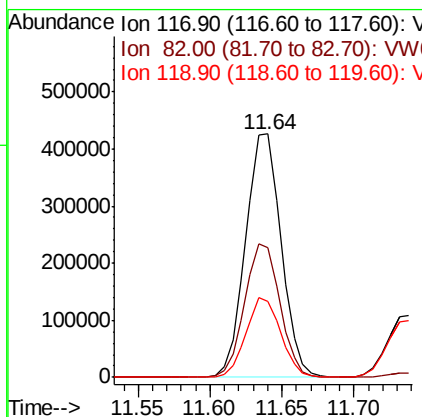
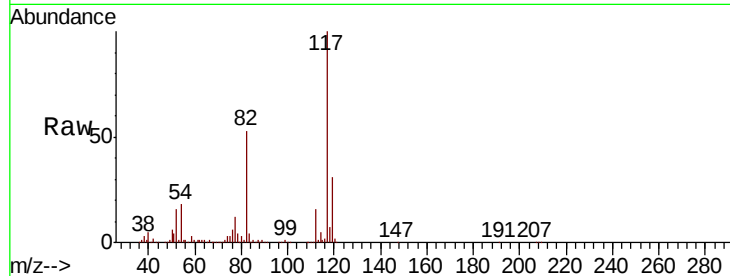
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	40.9	61.3
119	31.3	24.9	37.3

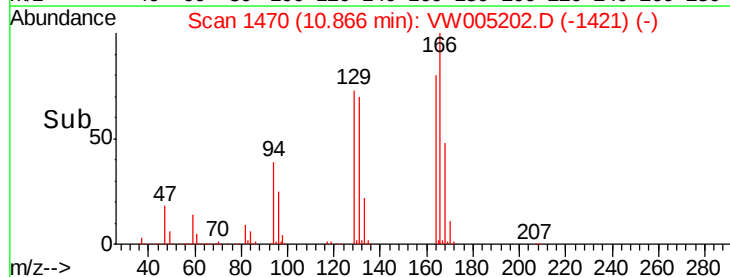
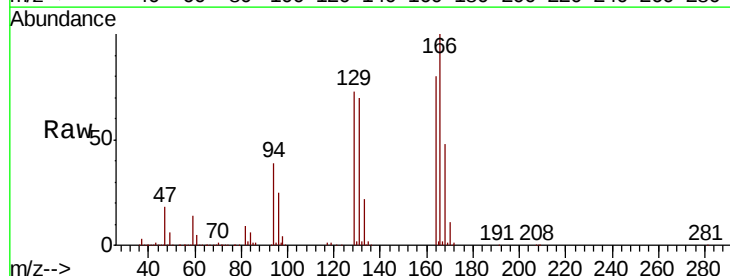
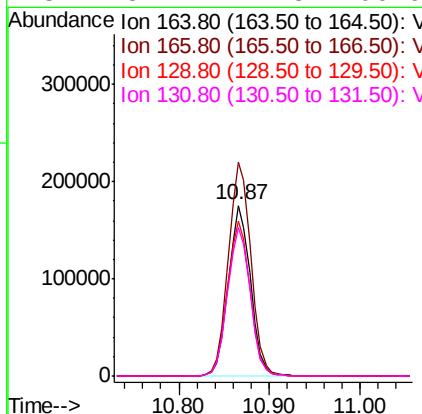
Manual Integrations
APPROVED

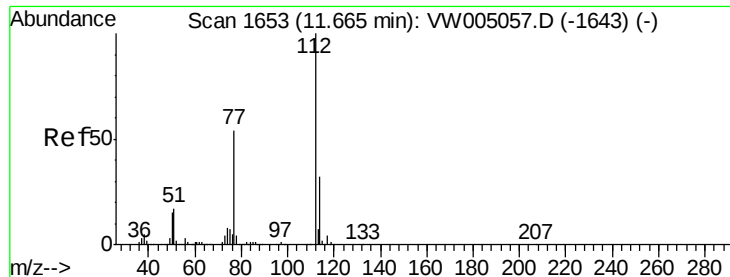
apatel
9/10/2018 10:48:00 AM



#64
Tetrachloroethene
Concen: 51.86 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	97.3	145.9
129	90.9	73.1	109.7
131	87.2	71.3	106.9





#65

Chlorobenzene

Concen: 54.57 ug/l

RT: 11.66 min Scan# 1601

Delta R.T. -0.00 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 894284

Ion Ratio Lower Upper

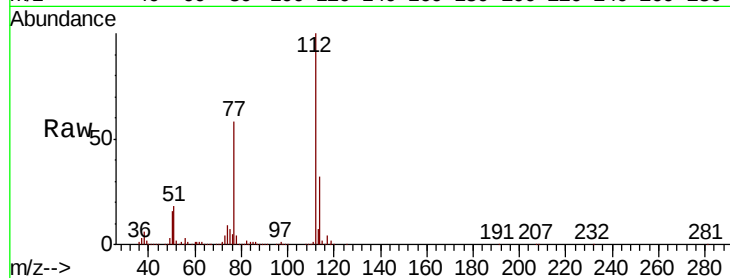
112 100

114 32.4 26.0 39.0

Manual Integrations
APPROVED

apatel

9/10/2018 10:48:00 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

600000

500000

400000

300000

200000

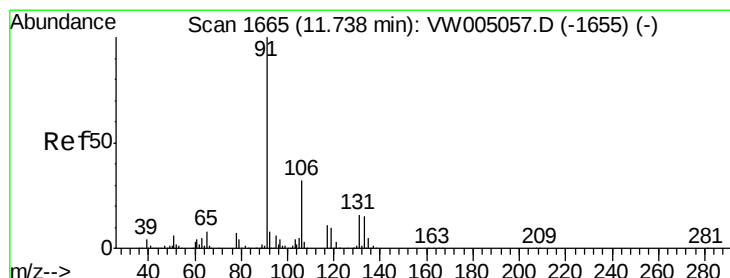
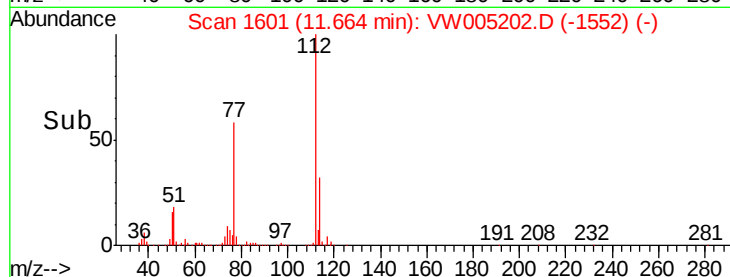
100000

0

11.66

11.70

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 52.27 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

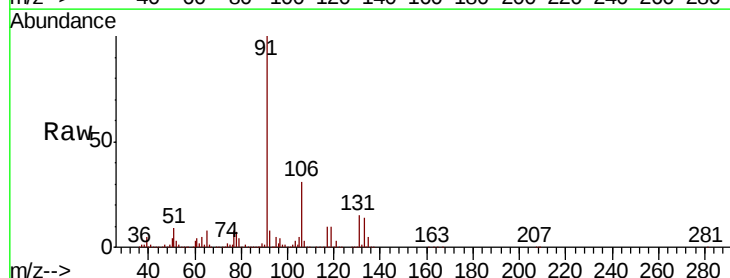
Tgt Ion:131 Resp: 261742

Ion Ratio Lower Upper

131 100

133 95.4 47.4 142.3

119 67.2 33.4 100.1



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

200000

150000

100000

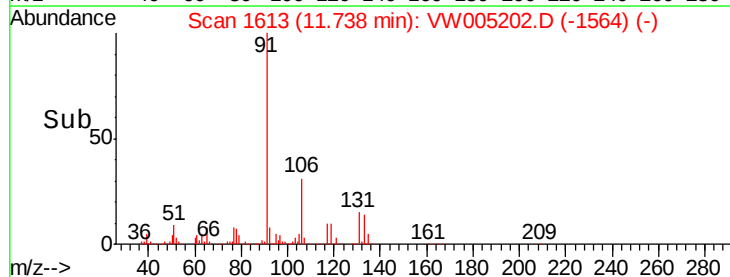
50000

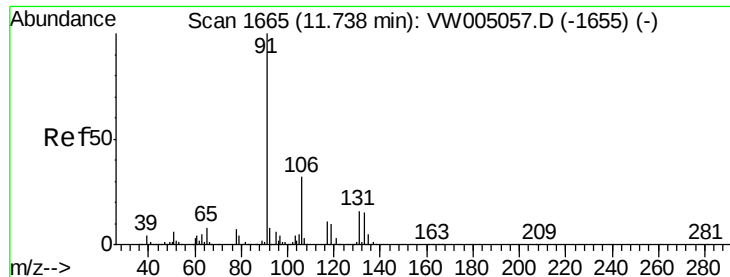
0

11.74

11.80

Time-->





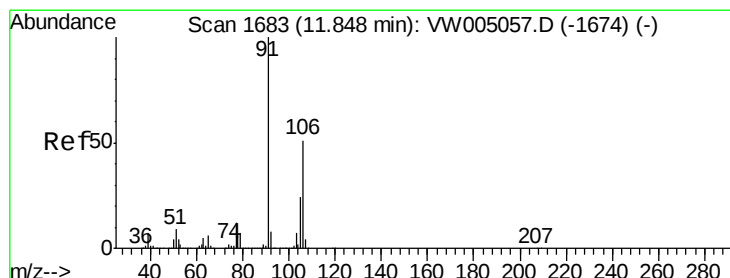
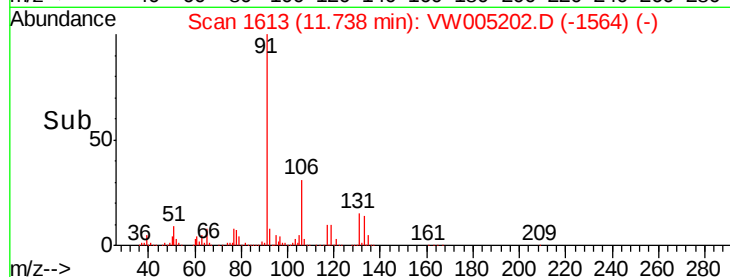
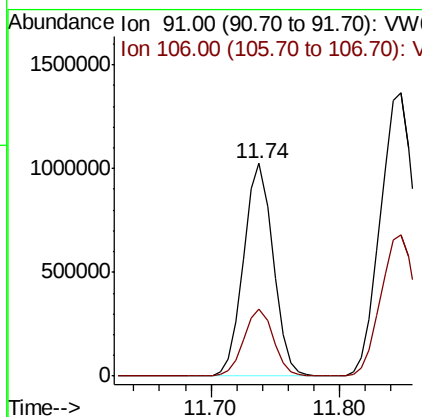
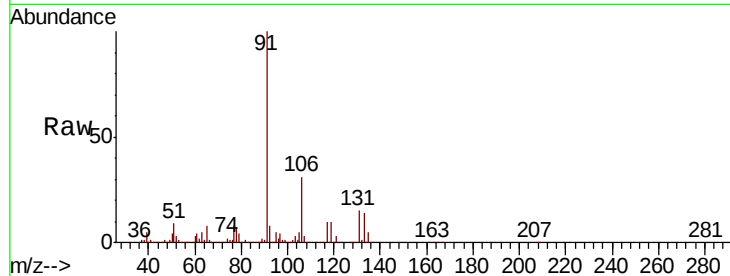
#67
Ethyl Benzene
Concen: 58.71 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1626431
Ion Ratio Lower Upper
91 100
106 31.5 25.3 37.9

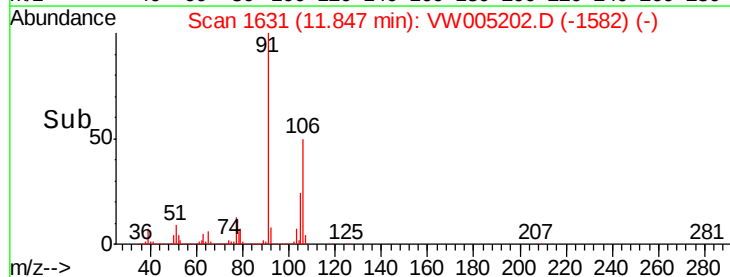
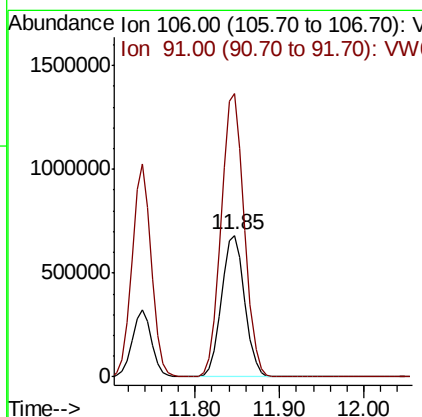
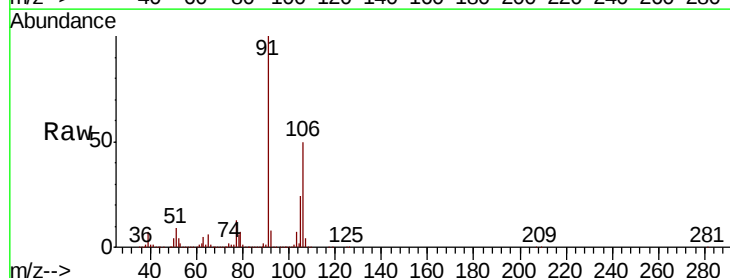
Manual Integrations
APPROVED

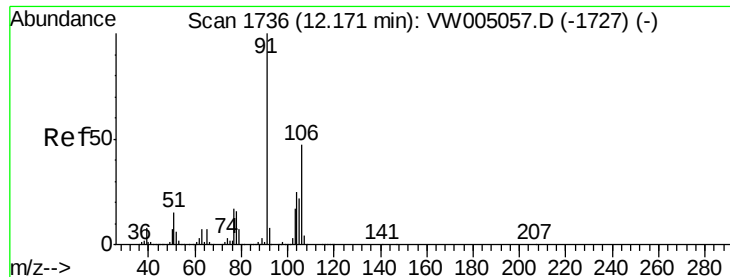
apatel
9/10/2018 10:48:00 AM



#68
m/p-Xylenes
Concen: 116.25 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Tgt Ion: 106 Resp: 1289569
Ion Ratio Lower Upper
106 100
91 199.4 158.4 237.6





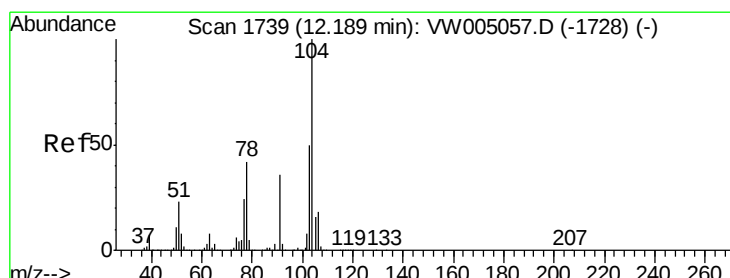
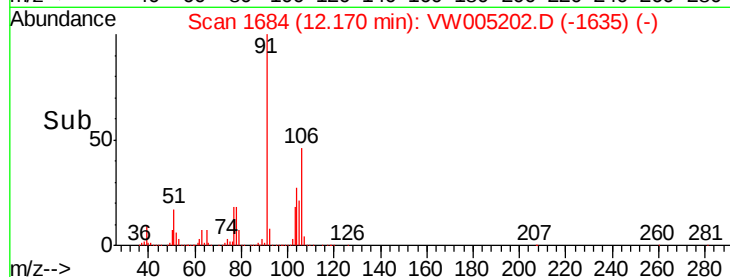
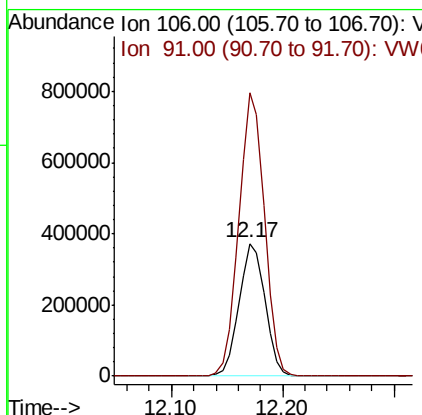
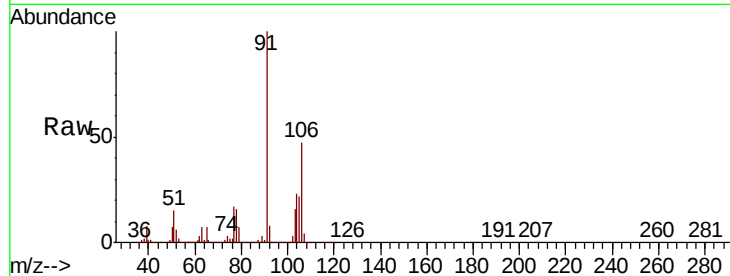
#69
o-Xylene
Concen: 58.74 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.5	105.6	316.8

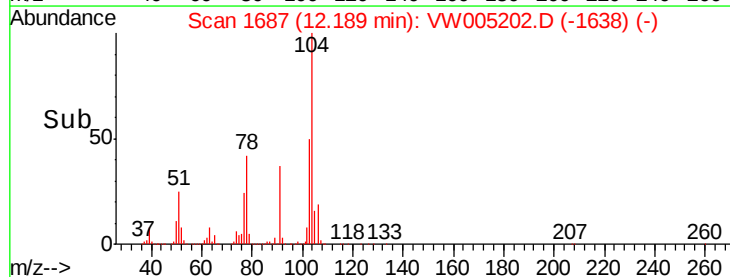
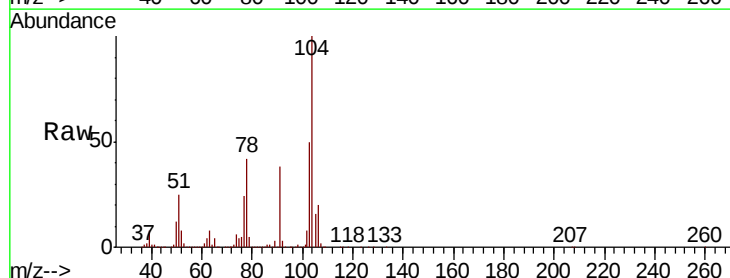
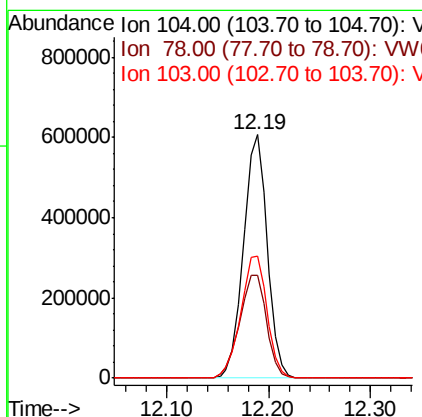
Manual Integrations
APPROVED

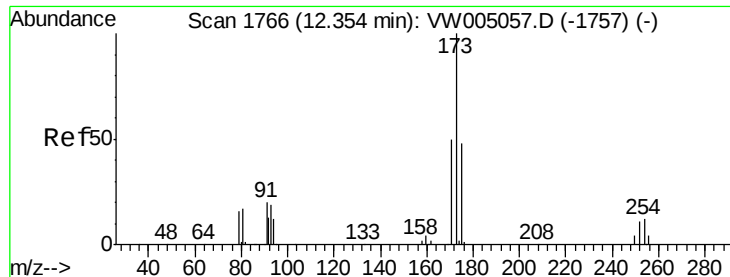
apatel
9/10/2018 10:48:00 AM



#70
Styrene
Concen: 58.05 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.8	37.8	56.6
103	55.5	44.1	66.1





#71

Bromoform

Concen: 51.12 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Instrument :

MSVOA_W

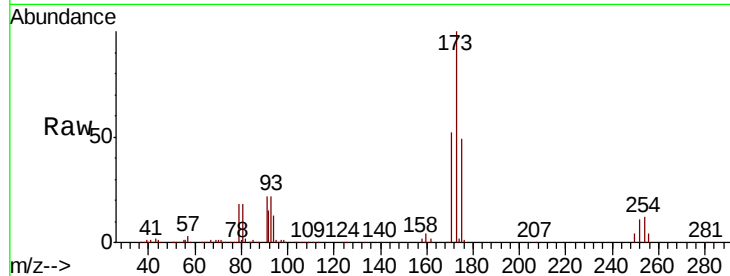
ClientSampleId :

VSTDCCC050

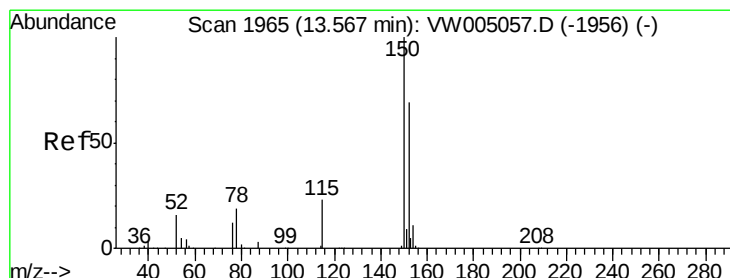
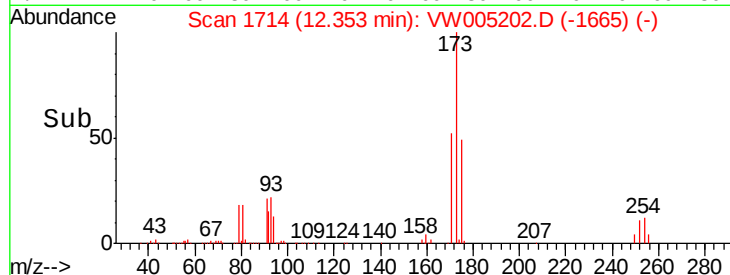
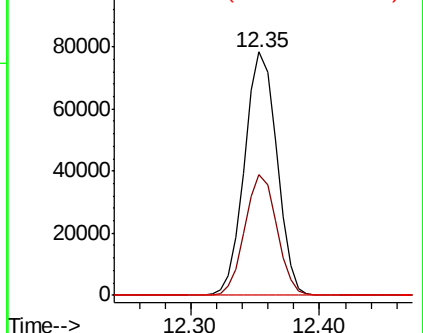
Tot Ion:	173	Resp:	135676
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.1	72.2
254	0.1	0.2	0.2#

Manual Integrations
APPROVED

apatel
9/10/2018 10:48:00 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: 50.00 ug/l

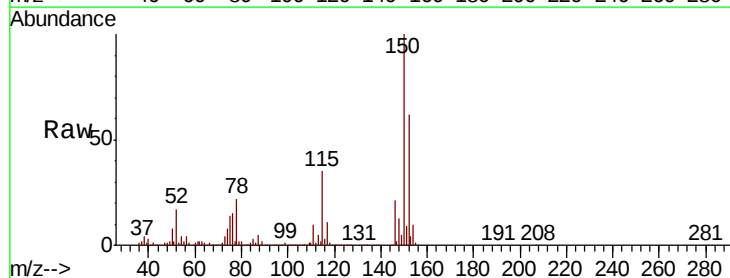
RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

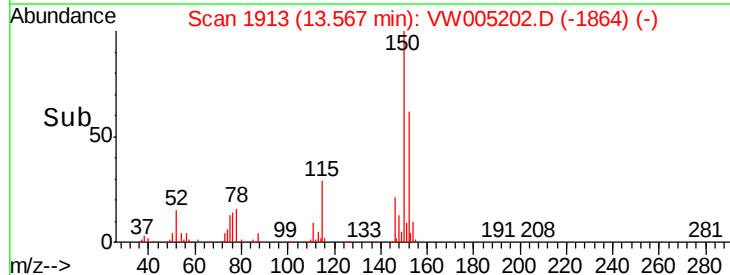
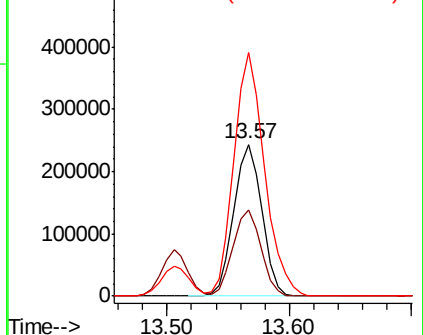
Lab File: VW005202.D

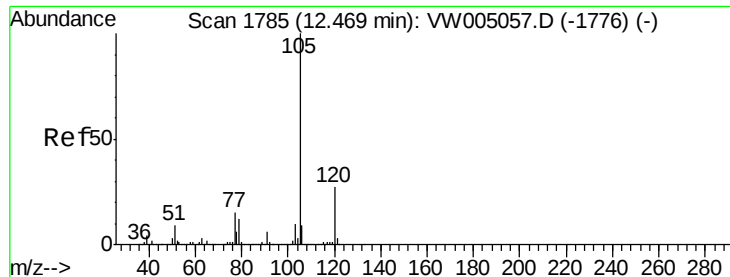
Acq: 07 Sep 2018 10:38

Tgt Ion:	152	Resp:	385482
Ion Ratio	Lower	Upper	
152	100		
115	56.6	27.8	83.4
150	175.7	0.0	351.4



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: 60.66 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1648700

Ion Ratio Lower Upper

105 100

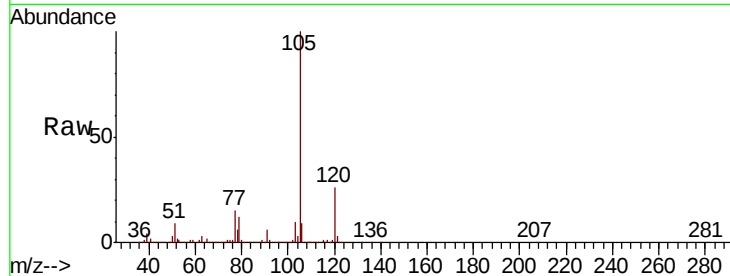
120 26.7 13.4 40.1

Manual Integrations

APPROVED

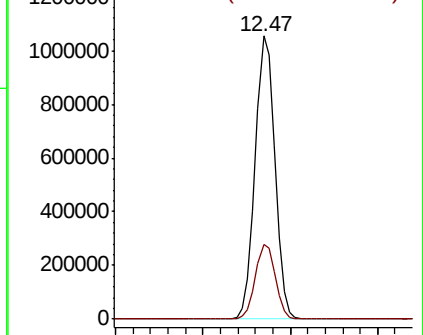
apatel

9/10/2018 10:48:00 AM

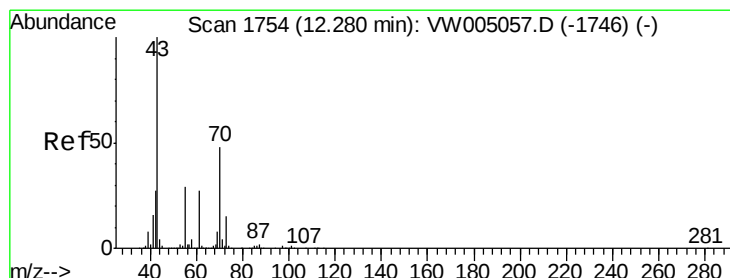
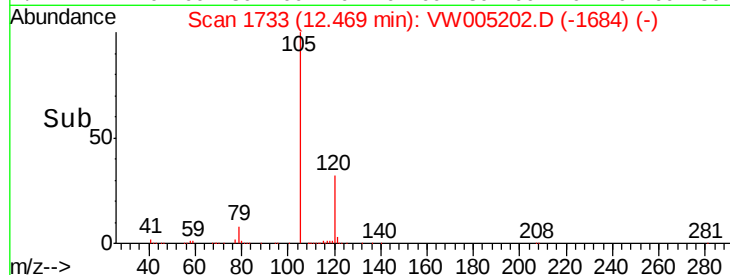


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 12.30 12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 64.30 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Tgt Ion: 43 Resp: 300950

Ion Ratio Lower Upper

43 100

70 46.2 38.2 57.4

55 27.8 23.2 34.8

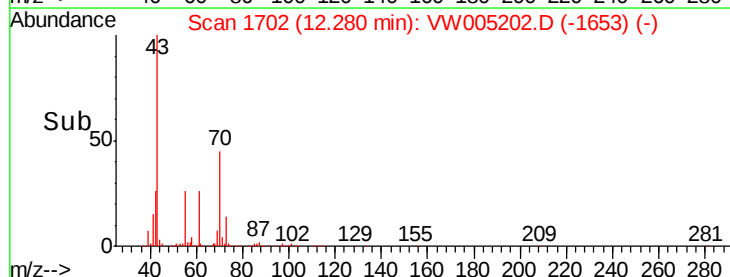
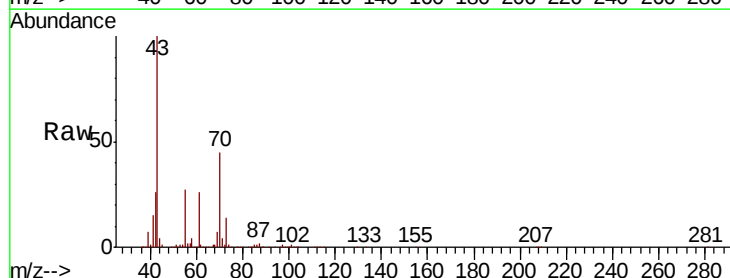
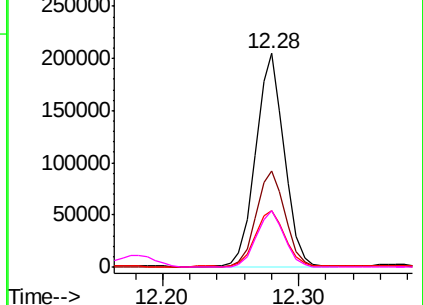
61 25.8 20.6 31.0

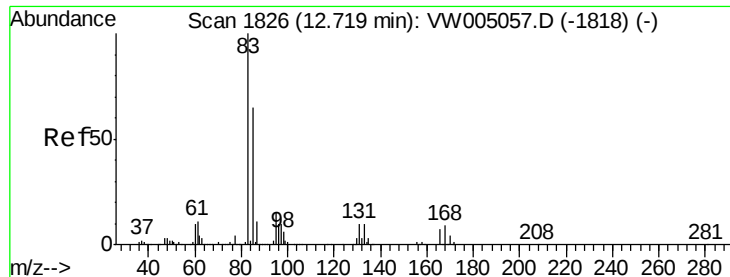
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 55.97 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Instrument :

MSVOA_W

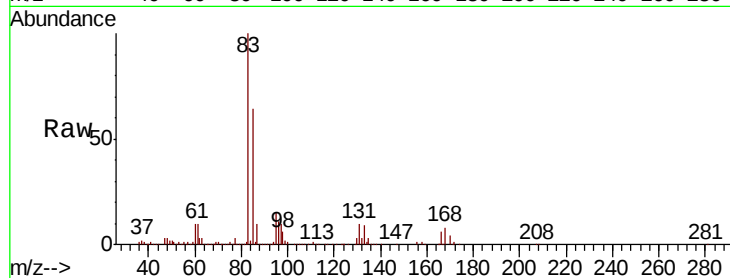
ClientSampled :

VSTDCCC050

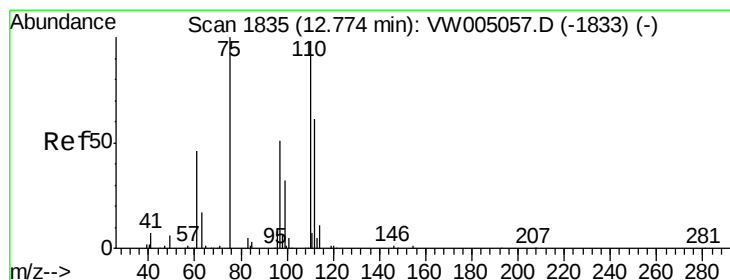
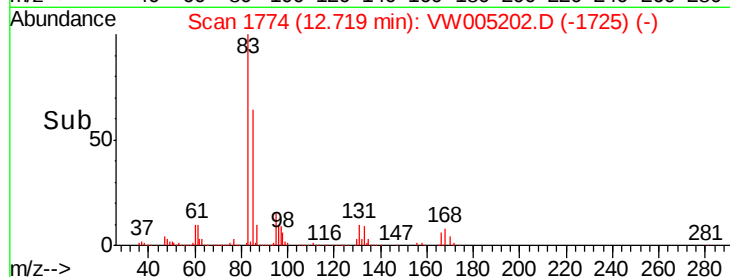
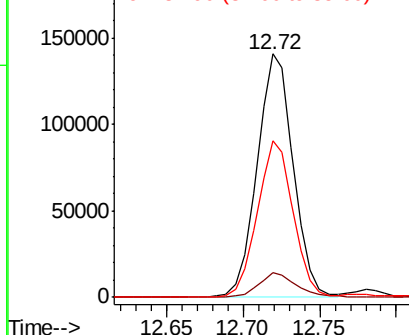
Tot Ion:	83	Resp:	231576
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.5	16.4
85	63.5	32.5	97.4

Manual Integrations
APPROVED

apatel
9/10/2018 10:48:00 AM



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 54.26 ug/l m

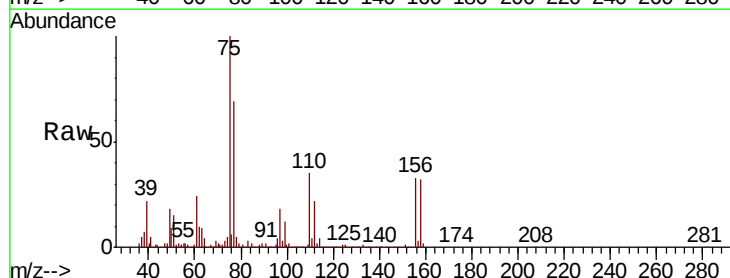
RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

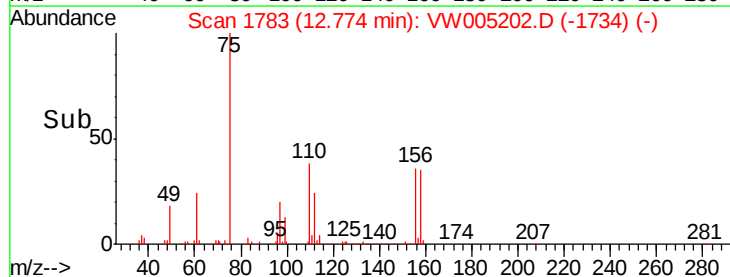
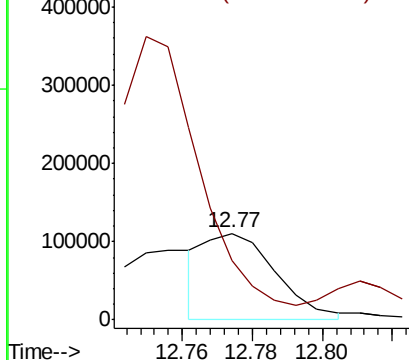
Lab File: VW005202.D

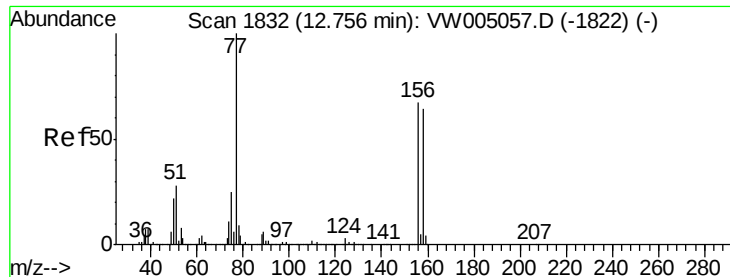
Acq: 07 Sep 2018 10:38

Tgt Ion:	75	Resp:	157015
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





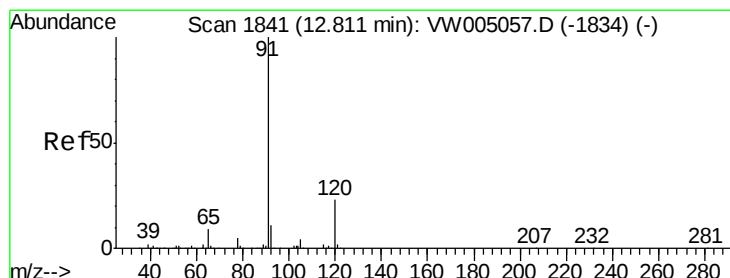
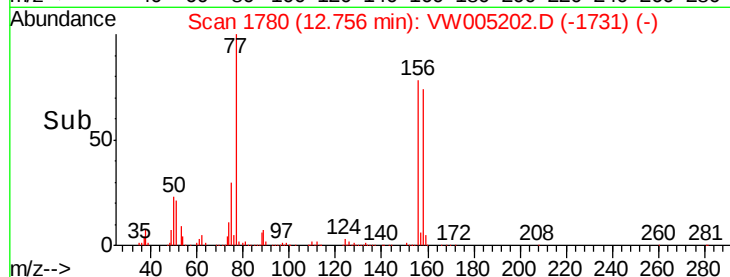
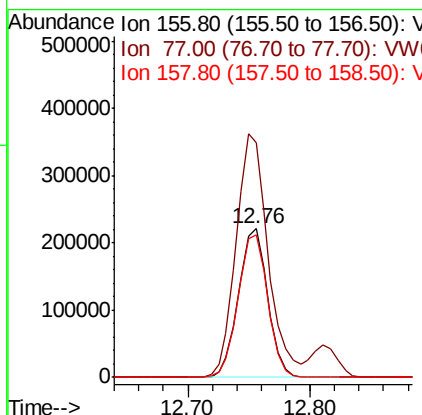
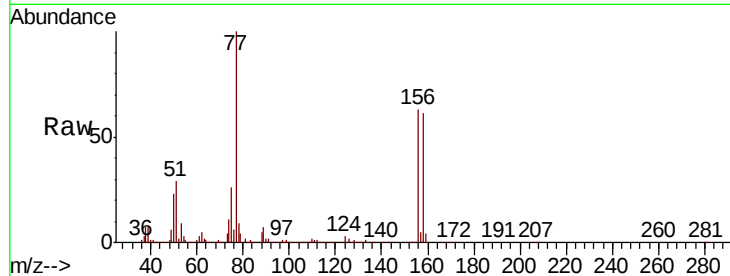
#77
Bromobenzene
Concen: 54.36 ug/l
RT: 12.76 min Scan# 1780
Delta R.T. -0.00 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	179.4	85.8	257.4	
158	97.6	48.1	144.4	

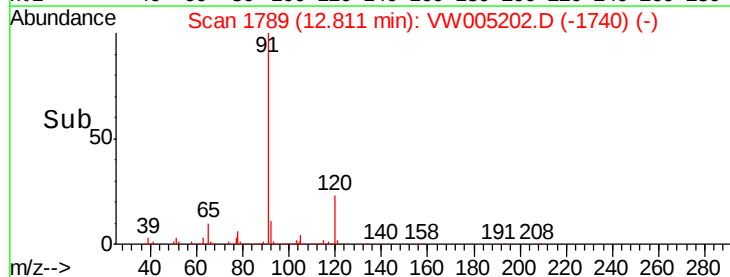
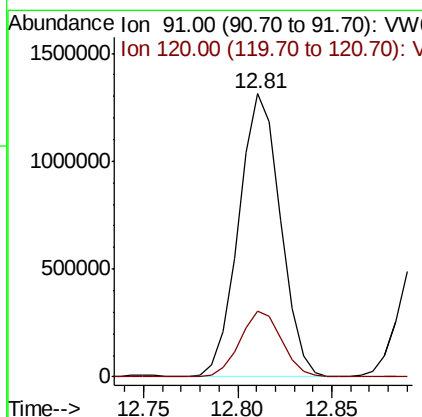
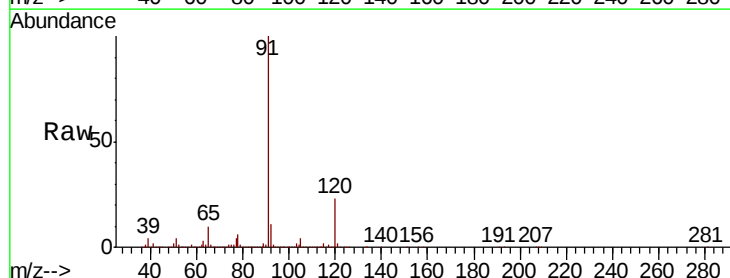
Manual Integrations
APPROVED

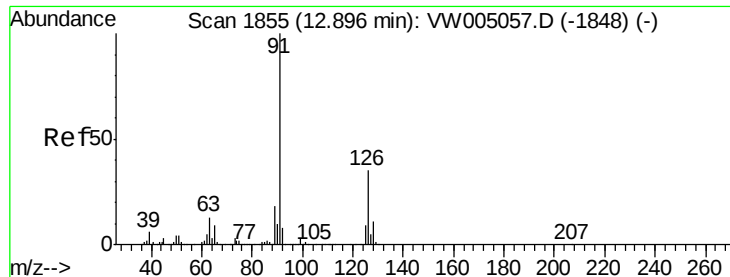
apatel
9/10/2018 10:48:00 AM



#78
n-propylbenzene
Concen: 61.41 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.2	11.8	35.3	





#79

2-Chlorotoluene

Concen: 57.95 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1109300

Ion Ratio Lower Upper

91 100

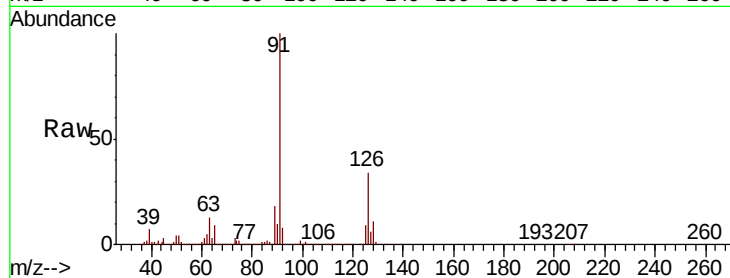
126 34.5 17.3 52.0

Manual Integrations

APPROVED

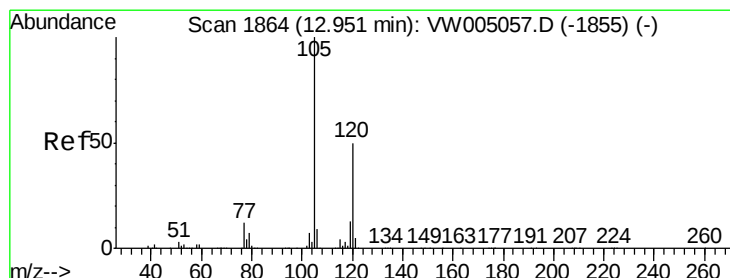
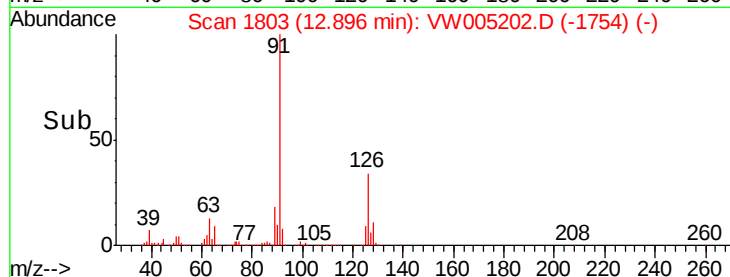
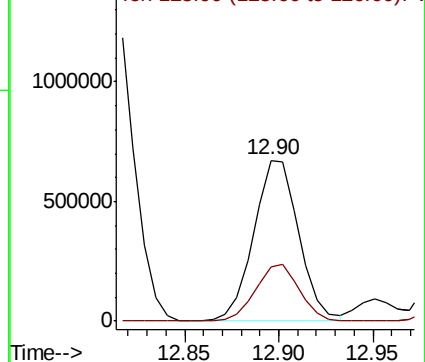
apatel

9/10/2018 10:48:00 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 59.77 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005202.D

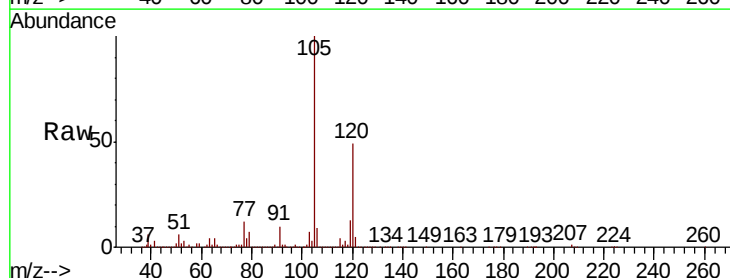
Acq: 07 Sep 2018 10:38

Tgt Ion:105 Resp: 1404813

Ion Ratio Lower Upper

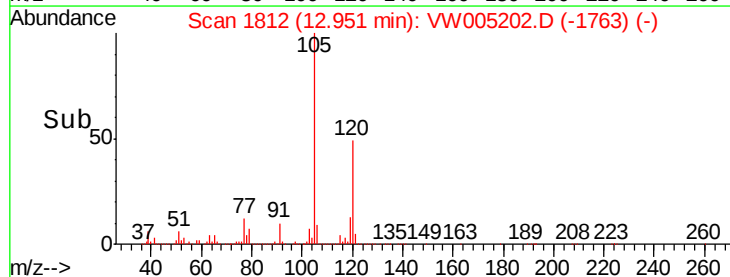
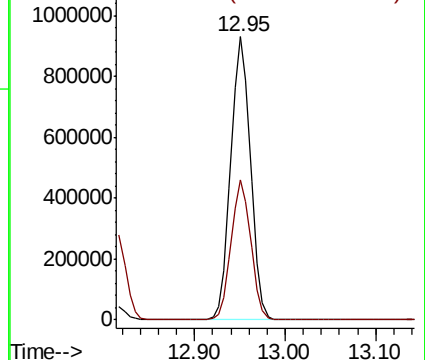
105 100

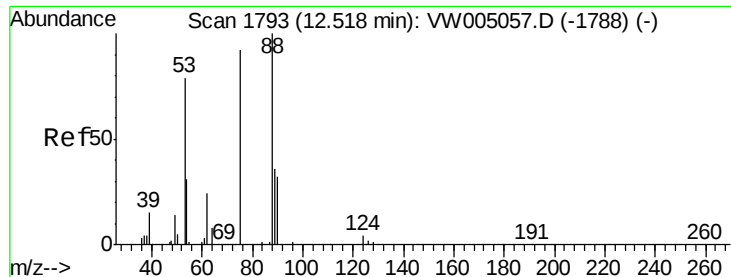
120 49.2 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 61.01 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Instrument :

MSVOA_W

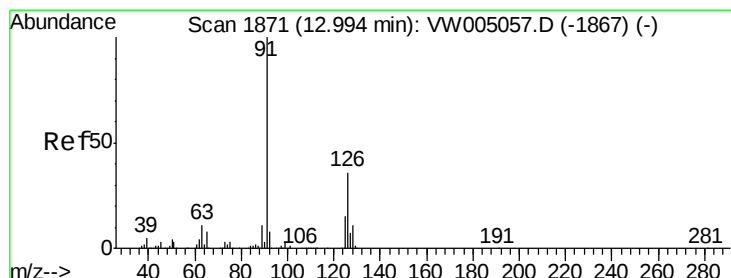
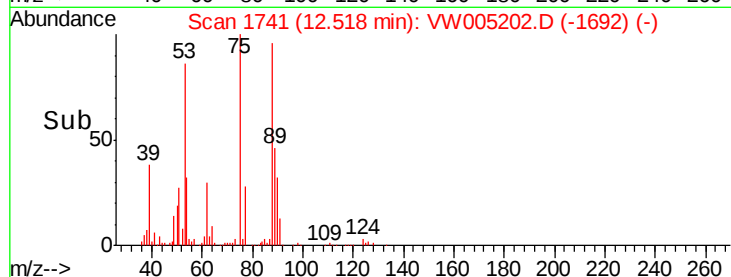
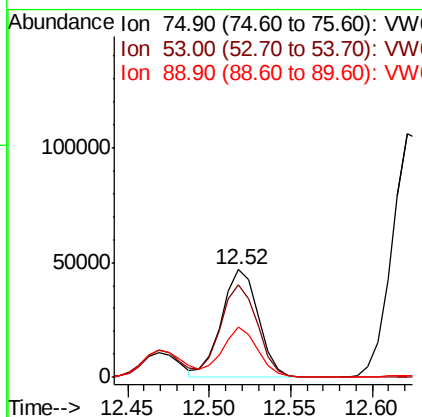
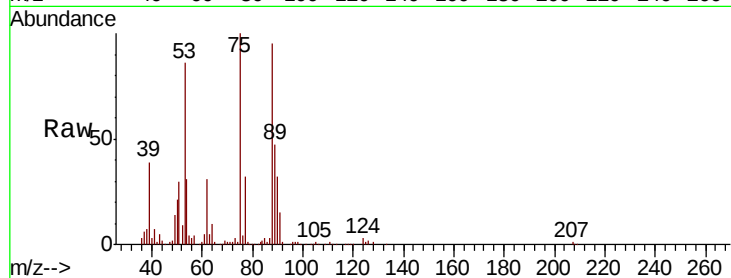
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	73341
Ion	Ratio	Lower	Upper
75	100		
53	84.8	69.8	104.8
89	44.8	36.0	54.0

Manual Integrations
APPROVED

apatel
9/10/2018 10:48:00 AM



#82

4-Chlorotoluene

Concen: 57.52 ug/l

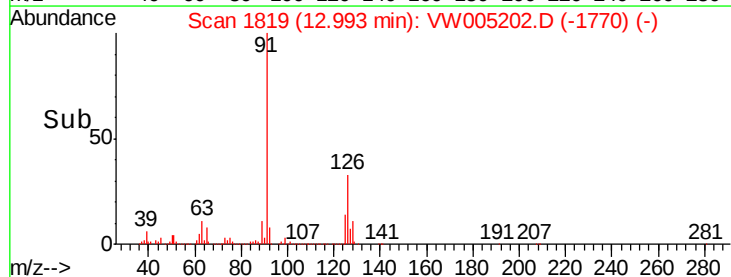
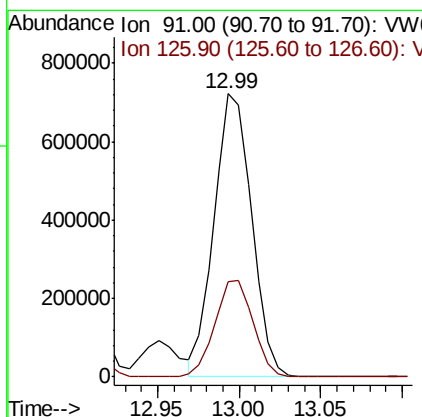
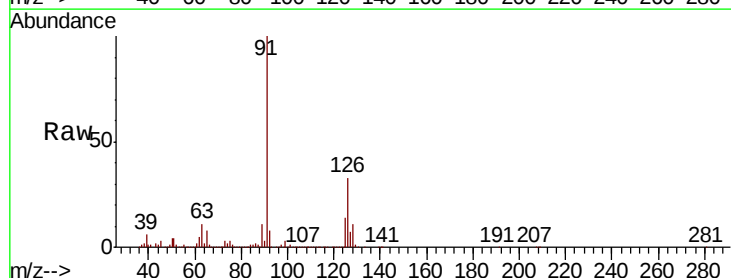
RT: 12.99 min Scan# 1819

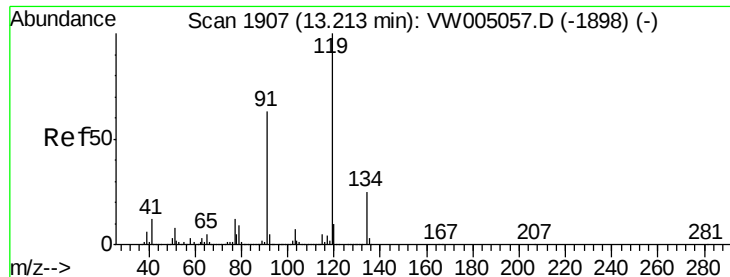
Delta R.T. -0.00 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Tgt Ion:	91	Resp:	1162677
Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.4	52.3





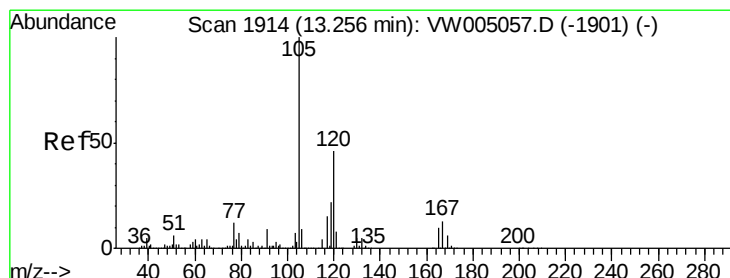
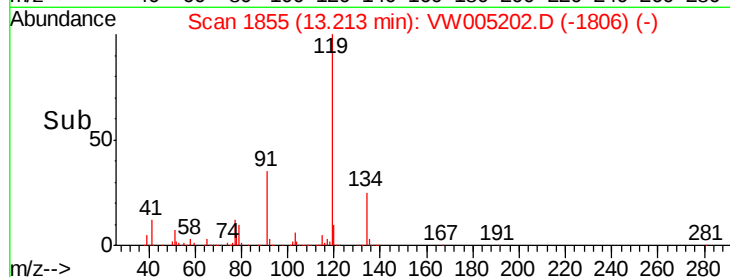
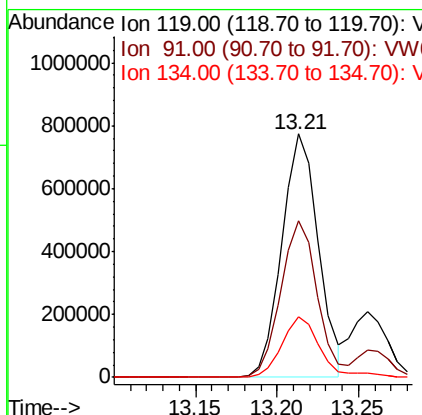
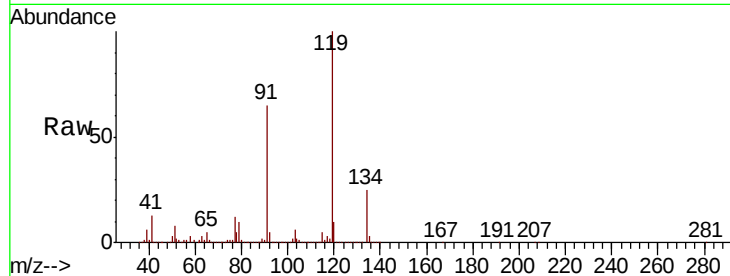
#83
tert-Butylbenzene
Concen: 61.42 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1205686
Ion Ratio Lower Upper
119 100
91 64.5 31.8 95.4
134 26.2 13.0 39.0

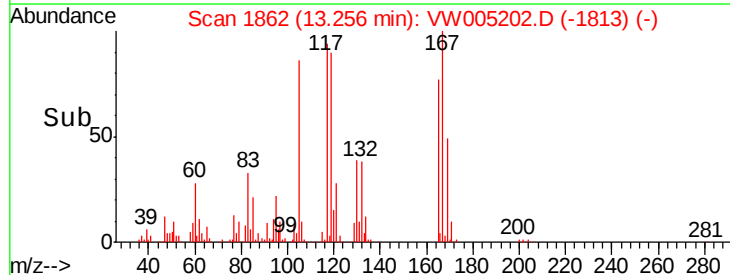
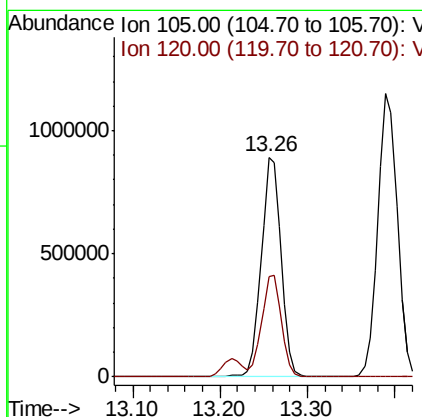
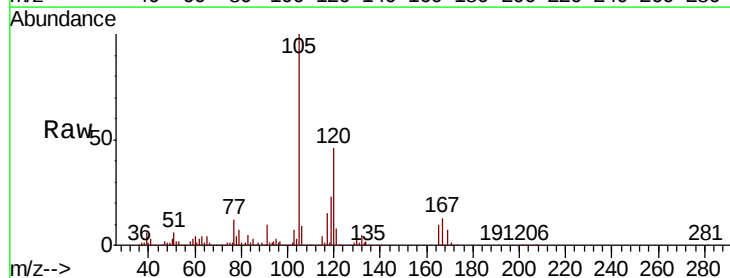
Manual Integrations
APPROVED

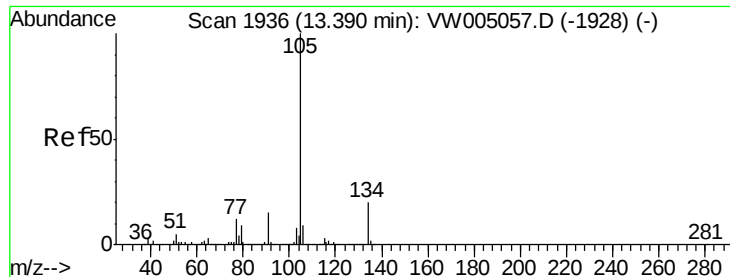
apatel
9/10/2018 10:48:00 AM



#84
1,2,4-Trimethylbenzene
Concen: 59.14 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Tgt Ion:105 Resp: 1415769
Ion Ratio Lower Upper
105 100
120 45.7 23.1 69.3





#85

sec-Butylbenzene

Concen: 61.53 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1774967

Ion Ratio Lower Upper

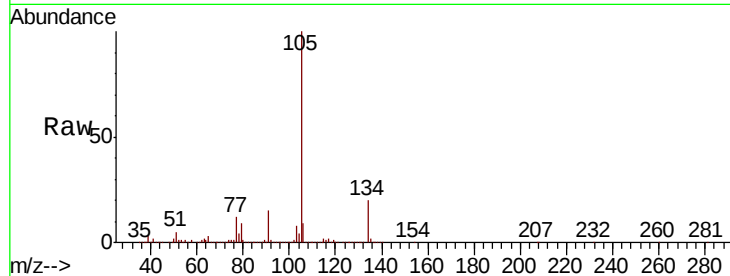
105 100

134 19.9 10.1 30.3

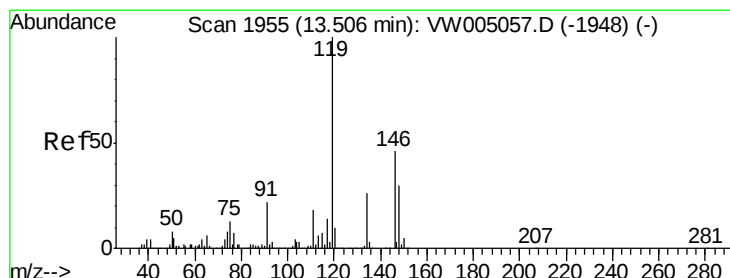
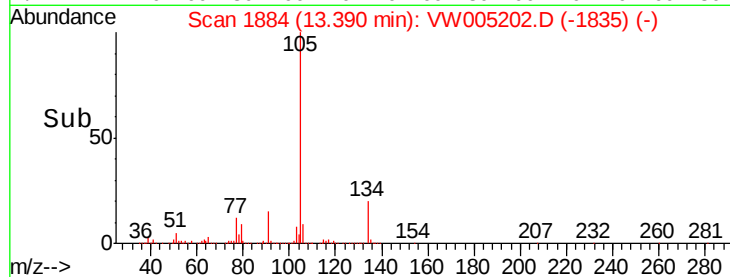
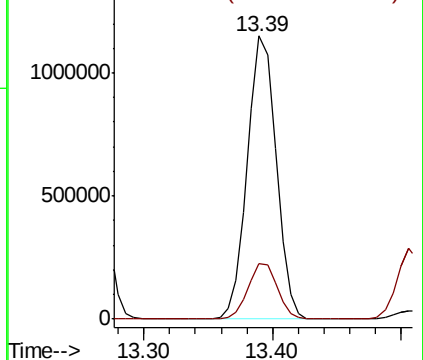
Manual Integrations
APPROVED

apatel

9/10/2018 10:48:00 AM



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 61.63 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

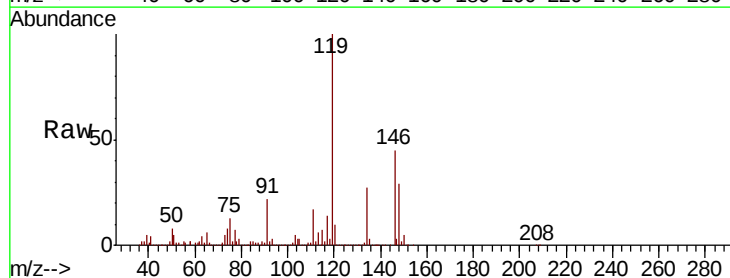
Tgt Ion:119 Resp: 1573791

Ion Ratio Lower Upper

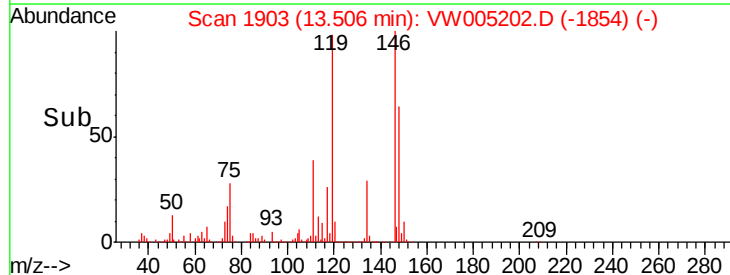
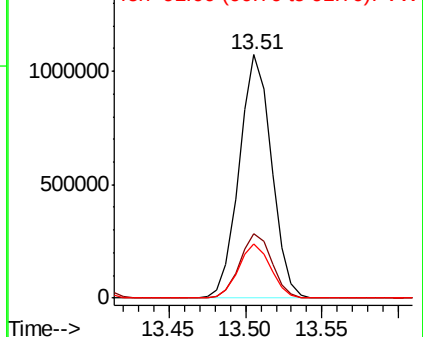
119 100

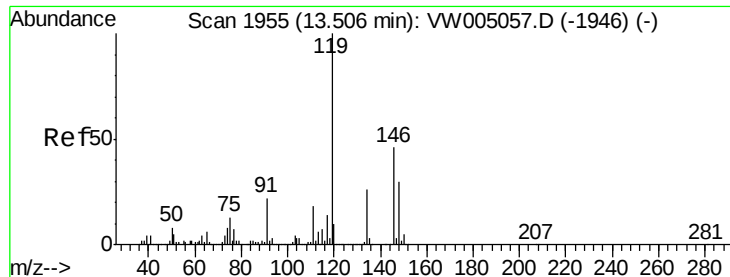
134 26.3 13.3 39.8

91 22.0 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 55.55 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Instrument :

MSVOA_W

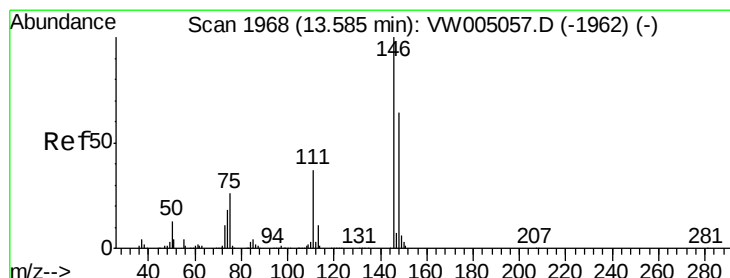
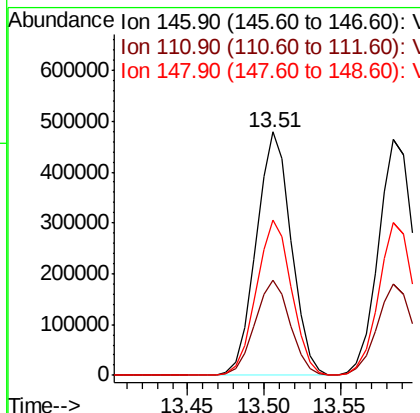
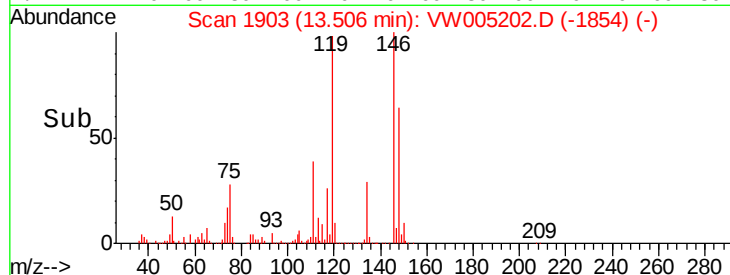
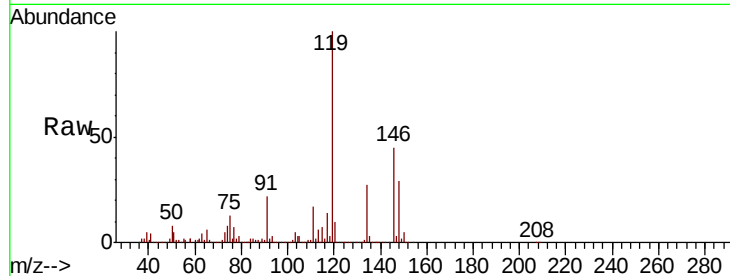
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	764204
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.2	57.6
148	64.2	31.9	95.7

Manual Integrations
APPROVED

apatel
9/10/2018 10:48:00 AM



#88

1,4-Dichlorobenzene

Concen: 54.64 ug/l

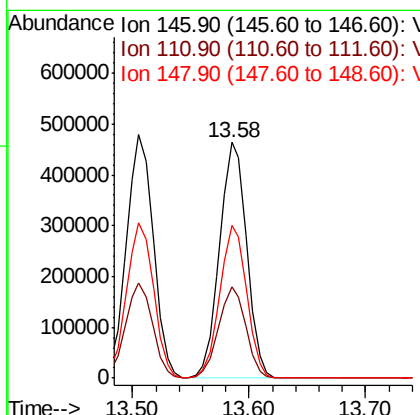
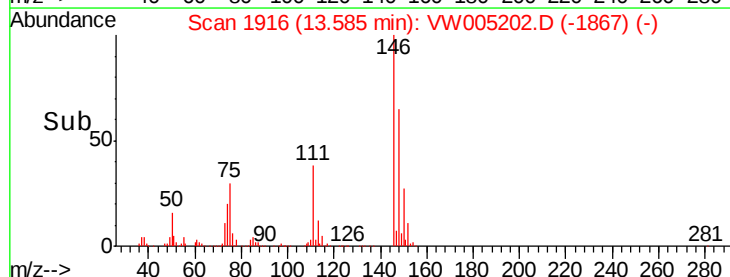
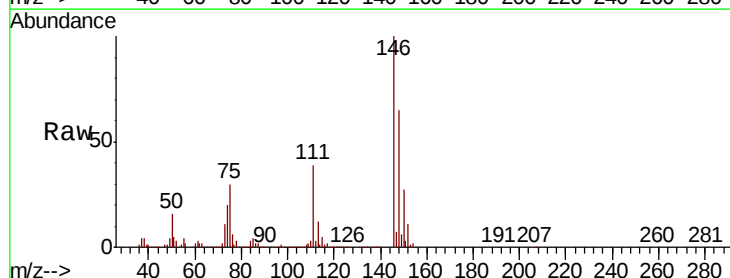
RT: 13.58 min Scan# 1916

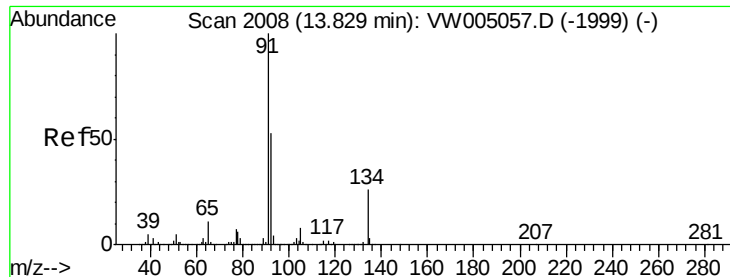
Delta R.T. -0.00 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Tgt Ion:	146	Resp:	745604
Ion Ratio	Lower	Upper	
146	100		
111	38.7	18.6	56.0
148	64.2	32.0	96.0





#89

n-Butylbenzene

Concen: 64.08 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. 0.01 min

Lab File: VW005202.D

Acq: 07 Sep 2018 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1516420

Ion Ratio Lower Upper

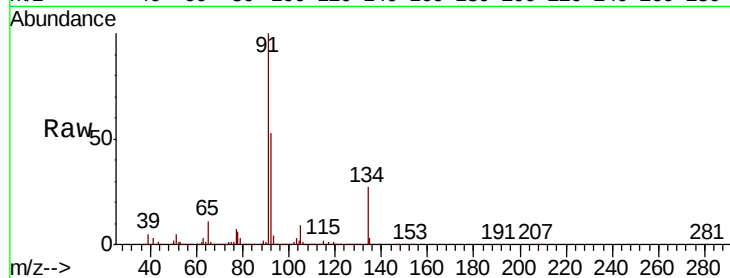
91 100

92 53.1 26.5 79.5

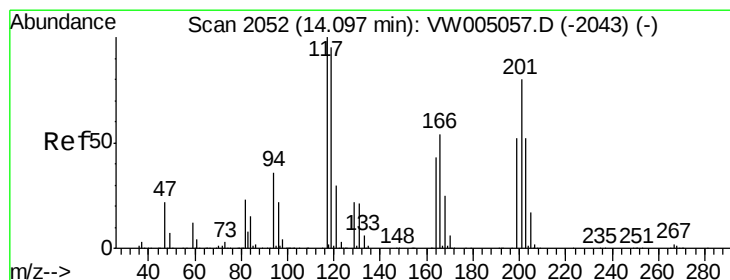
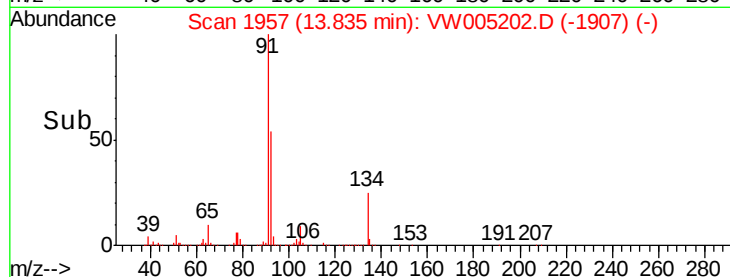
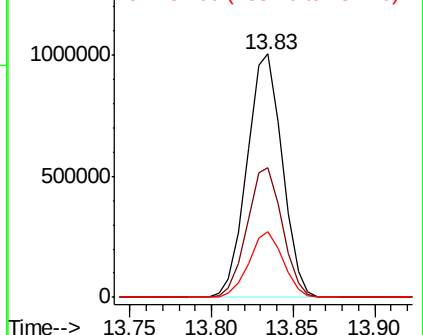
134 26.3 13.5 40.4

Manual Integrations
APPROVED

apatel
9/10/2018 10:48:00 AM



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 56.90 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW005202.D

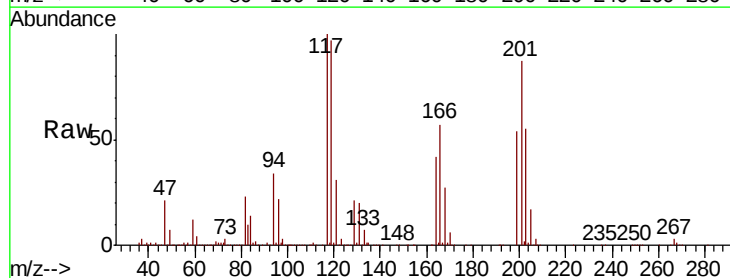
Acq: 07 Sep 2018 10:38

Tgt Ion: 117 Resp: 241361

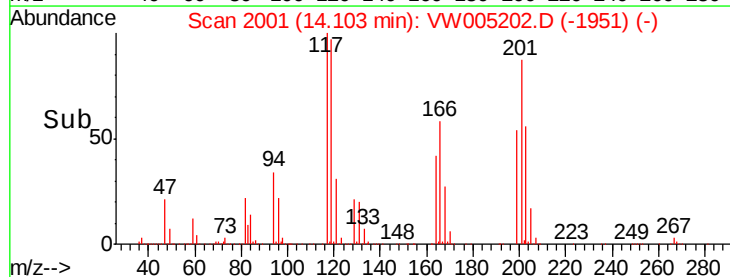
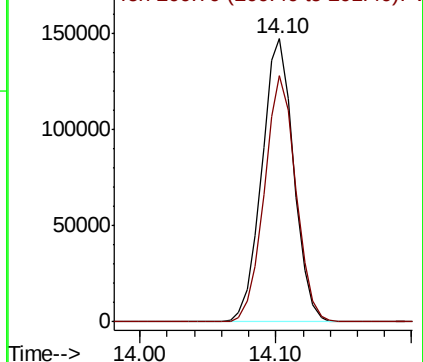
Ion Ratio Lower Upper

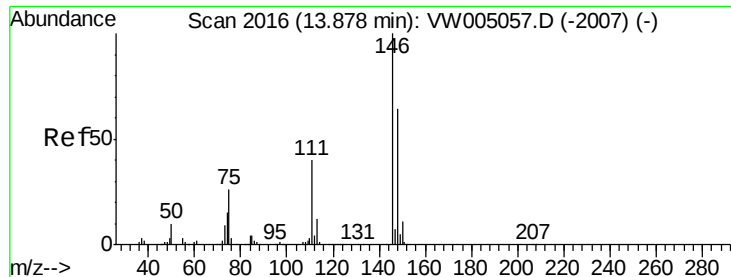
117 100

201 85.9 44.6 133.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





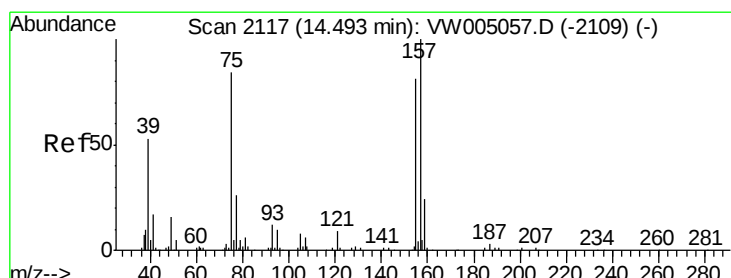
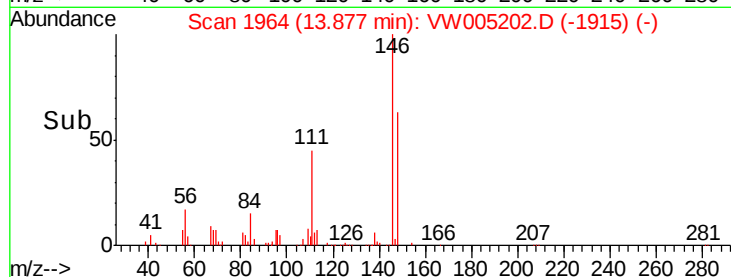
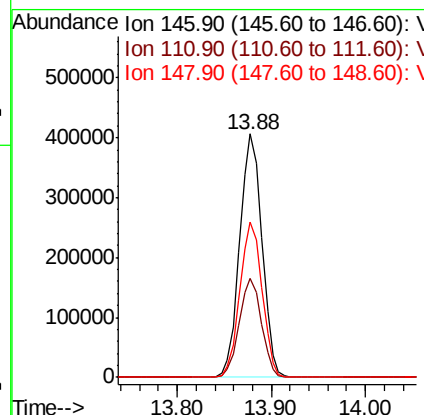
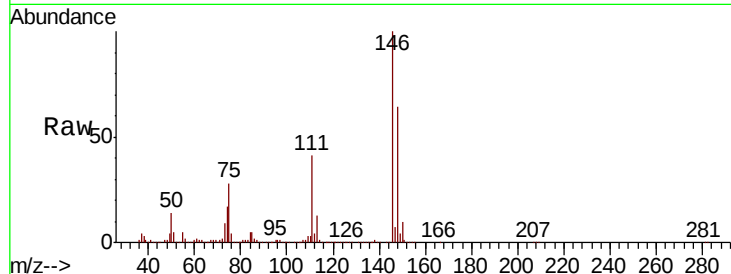
#91
 1,2-Dichlorobenzene
 Concen: 55.59 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW005202.D
 Acq: 07 Sep 2018 10:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	666550		
111	40.5	19.9	59.7	
148	63.8	31.9	95.9	

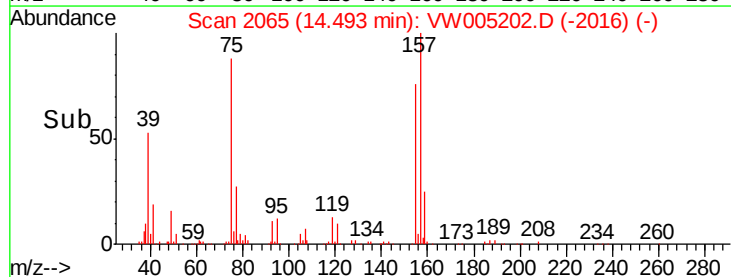
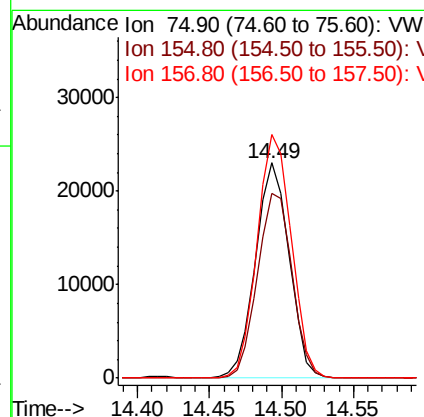
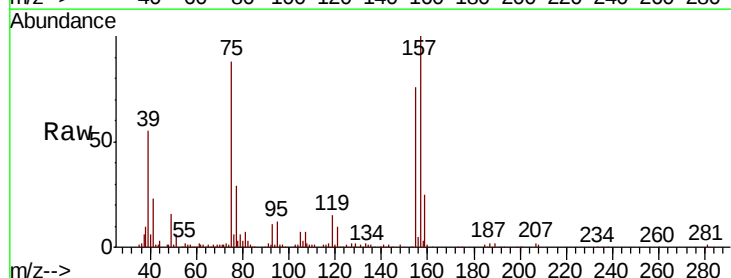
Manual Integrations
 APPROVED

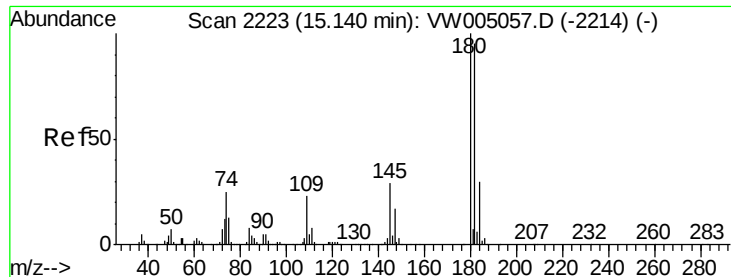
apatel
 9/10/2018 10:48:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.78 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW005202.D
 Acq: 07 Sep 2018 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	37360		
155	87.7	46.0	137.8	
157	114.2	58.6	175.7	





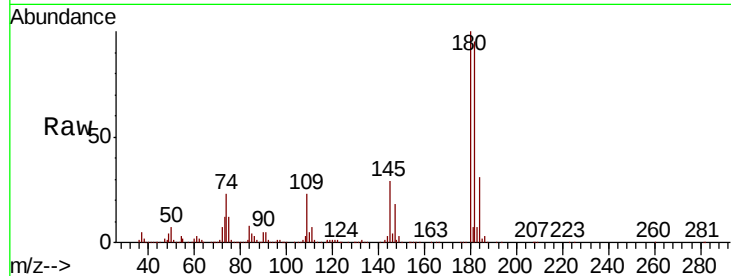
#93
 1,2,4-Trichlorobenzene
 Concen: 58.63 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW005202.D
 Acq: 07 Sep 2018 10:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	471386		
182	94.7	47.5	142.6	
145	29.1	14.4	43.2	

Manual Integrations
 APPROVED

apatel
 9/10/2018 10:48:00 AM

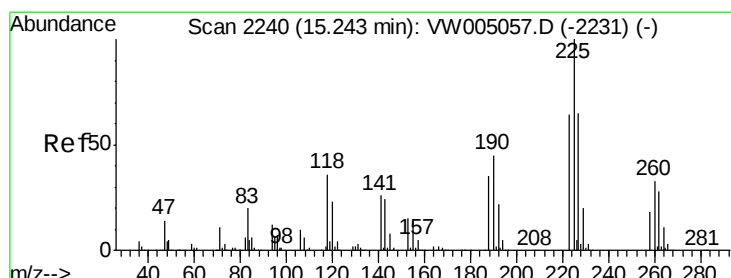
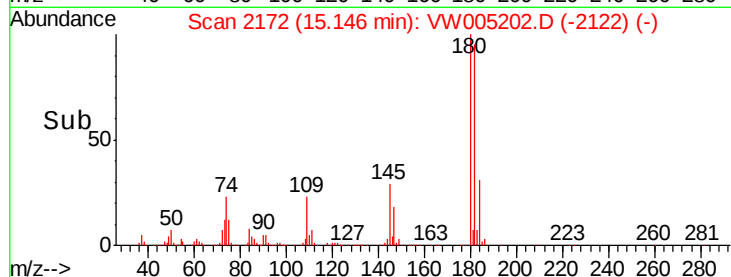
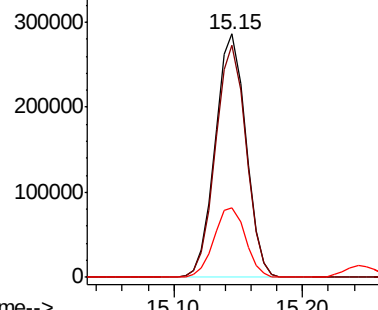


Abundance

Ion 179.80 (179.50 to 180.50): V

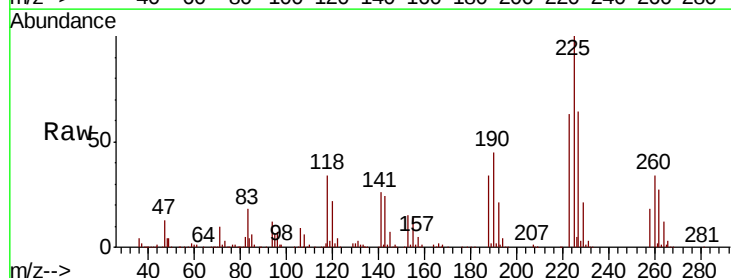
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 60.58 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW005202.D
 Acq: 07 Sep 2018 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	302915		
223	61.9	31.4	94.3	
227	63.2	32.0	96.0	

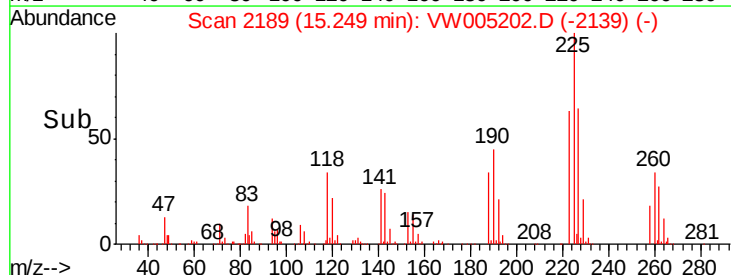
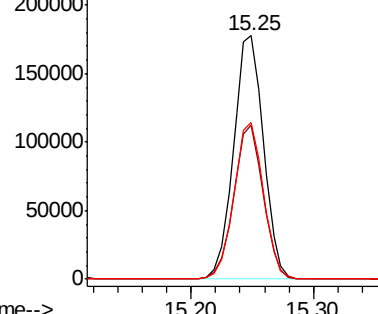


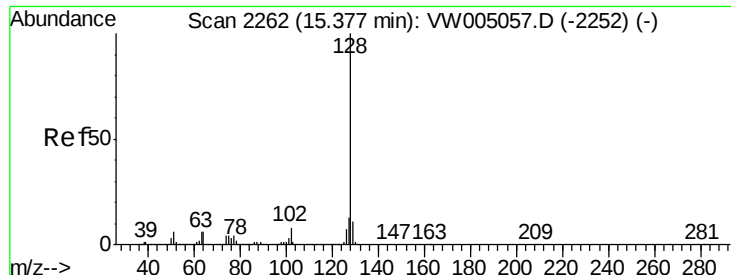
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





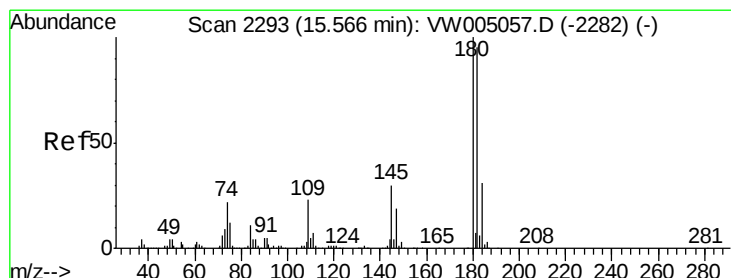
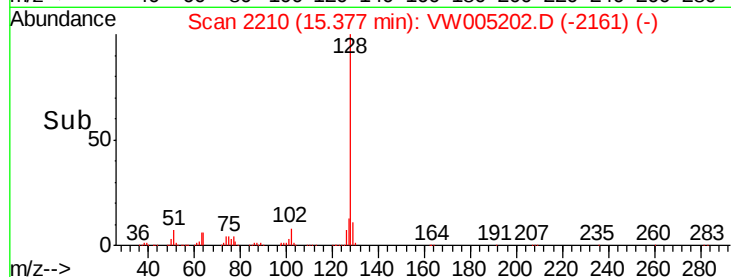
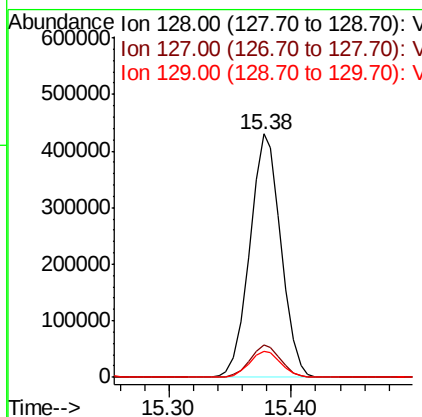
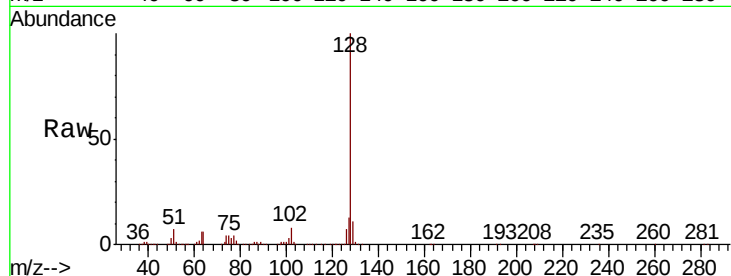
#95
Naphthalene
Concen: 54.37 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	760875		
127	13.1		10.4	15.6
129	11.0		8.7	13.1

Manual Integrations
APPROVED

apatel
9/10/2018 10:48:00 AM



#96
1,2,3-Trichlorobenzene
Concen: 57.84 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005202.D
Acq: 07 Sep 2018 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	397948		
182	94.7		47.4	142.3
145	31.0		15.4	46.1

