

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101718\
 Data File : VW006142.D
 Acq On : 17 Oct 2018 22:28
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 11.67G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 10/18/2018 4:39:45 PM

Quant Time: Oct 18 12:55:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	290450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	419665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	386088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	215347	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	121044	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
35) Dibromofluoromethane	7.88	113	126623	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	10.33	98	473737	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
62) 4-Bromofluorobenzene	12.62	95	182502	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	66963	46.589	ug/l	97
3) Chloromethane	2.21	50	86076	46.524	ug/l	98
4) Vinyl Chloride	2.37	62	130729	49.477	ug/l	99
5) Bromomethane	2.79	94	117414	48.858	ug/l	99
6) Chloroethane	2.93	64	91842	48.504	ug/l	100
7) Trichlorofluoromethane	3.26	101	117707	47.821	ug/l	100
8) Diethyl Ether	3.68	74	66690	50.981	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	131385	50.934	ug/l	99
10) Methyl Iodide	4.27	142	231820	53.995	ug/l	99
11) Tert butyl alcohol	5.22	59	38481	237.613	ug/l	98
12) 1,1-Dichloroethene	4.03	96	124354	51.242	ug/l	95
13) Acrolein	3.90	56	38493	245.638	ug/l	94
14) Allyl chloride	4.67	41	179993	51.872	ug/l	100
15) Acrylonitrile	5.38	53	119134	253.912	ug/l	99
16) Acetone	4.14	43	102950	226.498	ug/l	99
17) Carbon Disulfide	4.38	76	362385	49.478	ug/l	99
18) Methyl Acetate	4.68	43	64506	53.231	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	195187	52.807	ug/l	98
20) Methylene Chloride	4.92	84	136156	53.554	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	141548	52.255	ug/l	99
22) Diisopropyl ether	6.32	45	365776	53.342	ug/l	99
23) Vinyl Acetate	6.26	43	1012495	250.199	ug/l	100
24) 1,1-Dichloroethane	6.21	63	237212	53.612	ug/l	99
25) 2-Butanone	7.18	43	155924	239.693	ug/l	98
26) 2,2-Dichloropropane	7.17	77	151208	48.454	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	160797	53.792	ug/l	99
28) Bromochloromethane	7.51	49	92577	54.197	ug/l	96
29) Tetrahydrofuran	7.54	42	98555	246.476	ug/l	99
30) Chloroform	7.68	83	256652	53.240	ug/l	98
31) Cyclohexane	7.96	56	207147	47.012	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	226381	52.059	ug/l	99
36) 1,1-Dichloropropene	8.09	75	199998	51.704	ug/l	99
37) Ethyl Acetate	7.26	43	69230	48.171	ug/l	99
38) Carbon Tetrachloride	8.07	117	214938	50.688	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101718\
 Data File : VW006142.D
 Acq On : 17 Oct 2018 22:28
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 11.67G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 10/18/2018 4:39:45 PM

Quant Time: Oct 18 12:55:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	257828	50.143	ug/l	98
40) Benzene	8.33	78	557640	52.555	ug/l	98
41) Methacrylonitrile	7.49	41	45853	52.925	ug/l	96
42) 1,2-Dichloroethane	8.40	62	165472	53.080	ug/l	100
43) Isopropyl Acetate	8.43	43	144054	49.023	ug/l	100
44) Trichloroethene	9.10	130	171914	52.810	ug/l	99
45) 1,2-Dichloropropane	9.37	63	132536	52.199	ug/l	96
46) Dibromomethane	9.46	93	75542	52.201	ug/l	99
47) Bromodichloromethane	9.65	83	185150	52.772	ug/l	99
48) Methyl methacrylate	9.44	41	71237	51.144	ug/l	98
49) 1,4-Dioxane	9.48	88	22906	1028.184	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	359966	244.494	ug/l	99
52) Toluene	10.39	92	372873	52.417	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	179121	51.242	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	209692	52.268	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	106245	52.464	ug/l	98
56) Ethyl methacrylate	10.65	69	128468	51.747	ug/l	97
57) 1,3-Dichloropropane	10.94	76	174156	51.950	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	234304	246.991	ug/l	98
59) 2-Hexanone	10.98	43	247841	235.820	ug/l	99
60) Dibromochloromethane	11.13	129	132274	52.438	ug/l	100
61) 1,2-Dibromoethane	11.24	107	106384	52.576	ug/l	100
64) Tetrachloroethene	10.87	164	159945	53.364	ug/l	98
65) Chlorobenzene	11.66	112	433494	52.449	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	156986	53.447	ug/l	99
67) Ethyl Benzene	11.74	91	750295	52.382	ug/l	100
68) m/p-Xylenes	11.84	106	590399	104.285	ug/l	100
69) o-Xylene	12.17	106	288125	53.401	ug/l	98
70) Styrene	12.19	104	465326	53.036	ug/l	100
71) Bromoform	12.35	173	81976	50.037	ug/l	99
73) Isopropylbenzene	12.47	105	794998	52.256	ug/l	100
74) N-amyl acetate	12.28	43	144461	48.889	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	119266	51.543	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	97258m	59.130	ug/l	
77) Bromobenzene	12.75	156	198052	53.150	ug/l	99
78) n-propylbenzene	12.81	91	923204	52.159	ug/l	100
79) 2-Chlorotoluene	12.90	91	525900	52.882	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	673853	52.540	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	31722	46.101	ug/l	98
82) 4-Chlorotoluene	12.99	91	554627	53.240	ug/l	99
83) tert-Butylbenzene	13.21	119	602933	52.544	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	687072	52.941	ug/l	100
85) sec-Butylbenzene	13.39	105	842226	51.954	ug/l	100
86) p-Isopropyltoluene	13.51	119	769837	52.502	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	392943	52.986	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	386822	52.388	ug/l	100
89) n-Butylbenzene	13.83	91	696074	51.908	ug/l	99
90) Hexachloroethane	14.10	117	126735	51.027	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	347369	52.512	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19756	47.687	ug/l	96

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW101718\
Data File : VW006142.D
Acq On : 17 Oct 2018 22:28
Operator : VA/AP
Sample : VSTDCCC050
Misc : 11.67G/5ML/MSVOA W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

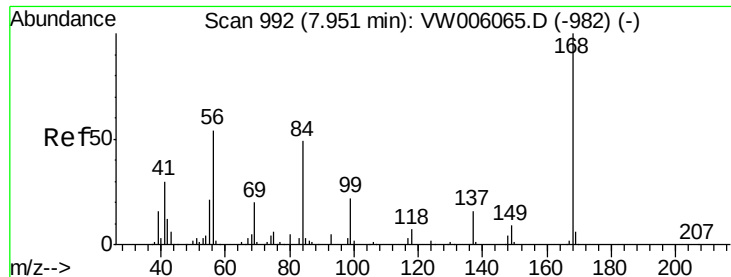
Manual Integrations
APPROVED

apatel
10/18/2018 4:39:45 PM

Quant Time: Oct 18 12:55:18 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 16 05:36:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	264826	52.030	ug/l	99
94) Hexachlorobutadiene	15.24	225	166324	52.018	ug/l	99
95) Naphthalene	15.38	128	437010	51.613	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	229273	52.078	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 290450

Ion Ratio Lower Upper

168 100

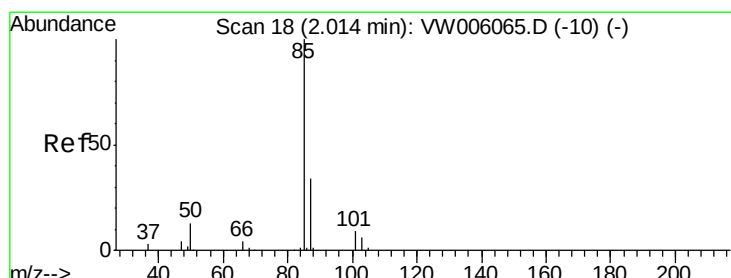
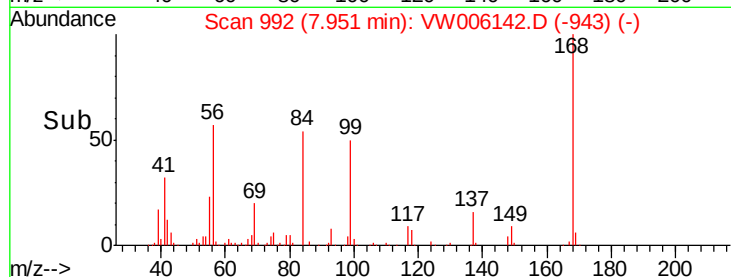
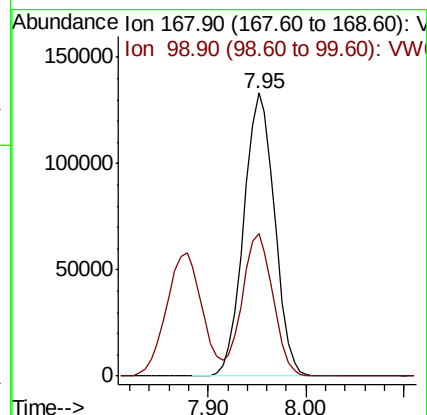
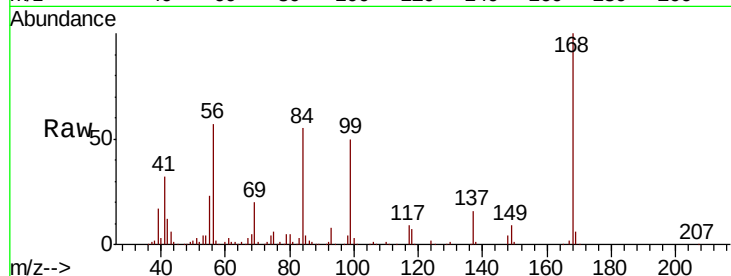
99 50.4 39.9 59.9

Manual Integrations

APPROVED

apatel

10/18/2018 4:39:45 PM



#2

Dichlorodifluoromethane

Concen: 46.589 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006142.D

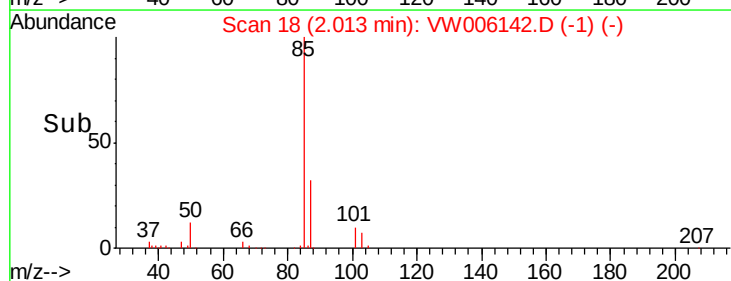
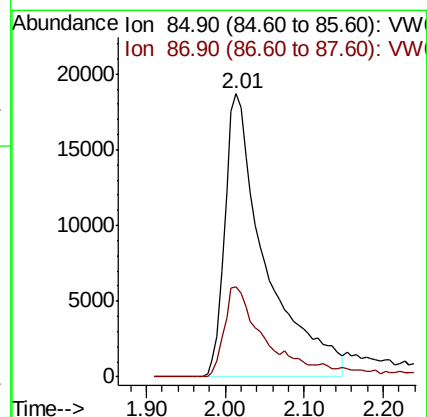
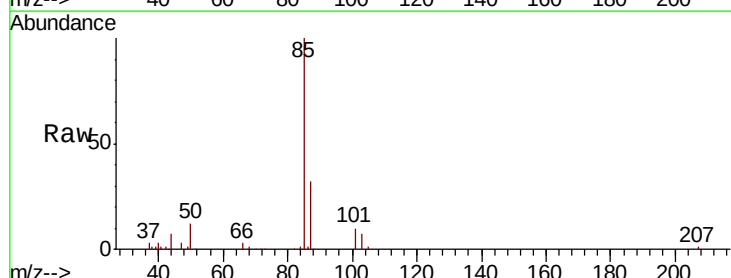
Acq: 17 Oct 2018 22:28

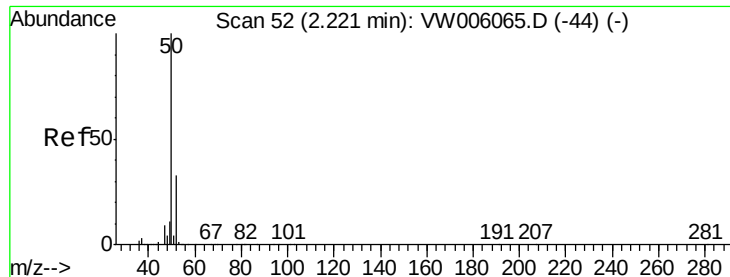
Tgt Ion: 85 Resp: 66963

Ion Ratio Lower Upper

85 100

87 31.7 16.9 50.6





#3

Chloromethane

Concen: 46.524 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 86076

Ion Ratio Lower Upper

50 100

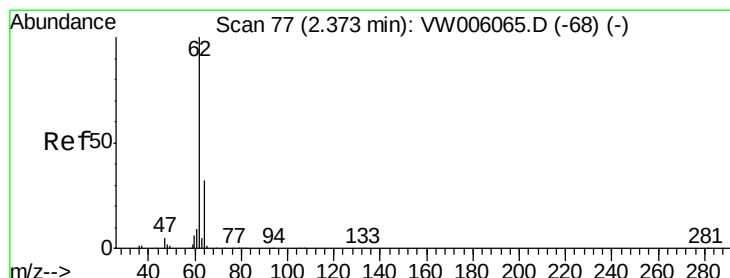
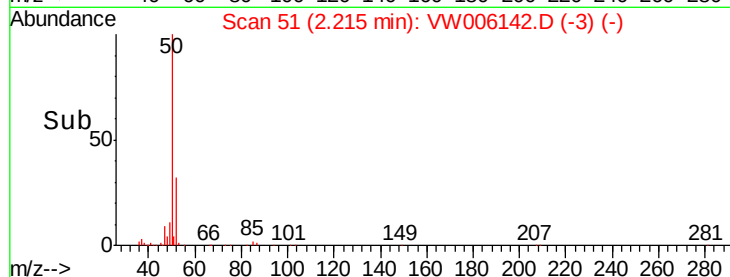
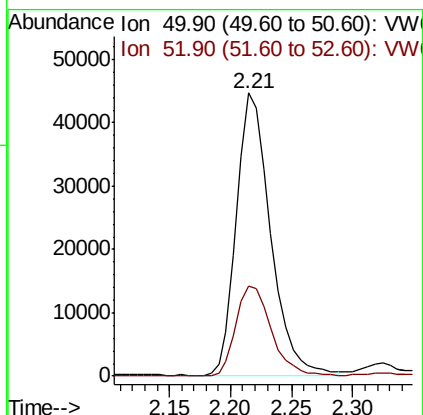
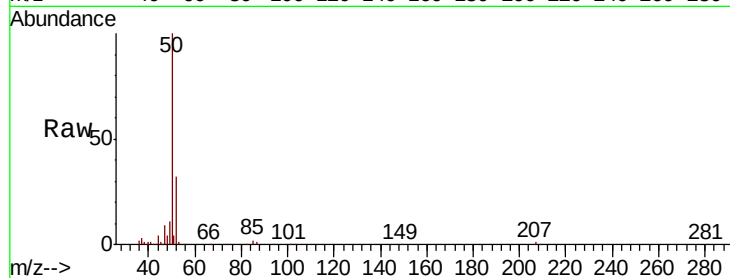
52 32.2 26.8 40.2

Manual Integrations

APPROVED

apatel

10/18/2018 4:39:45 PM



#4

Vinyl Chloride

Concen: 49.477 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006142.D

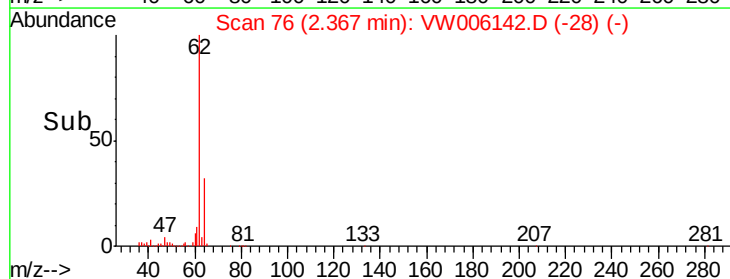
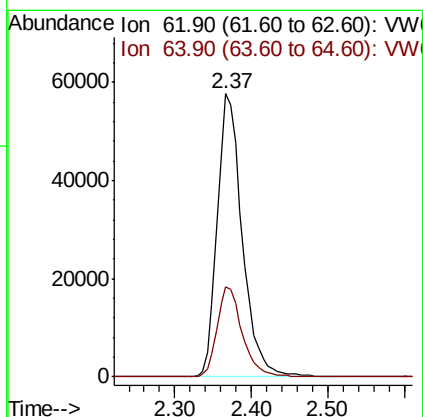
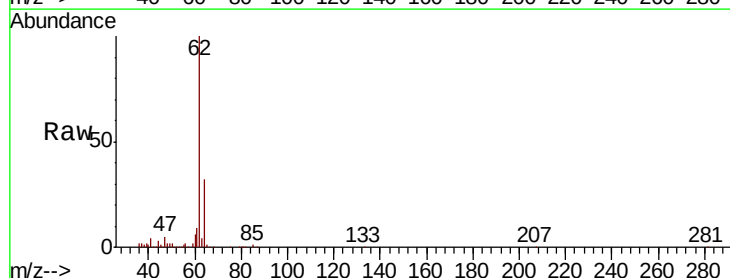
Acq: 17 Oct 2018 22:28

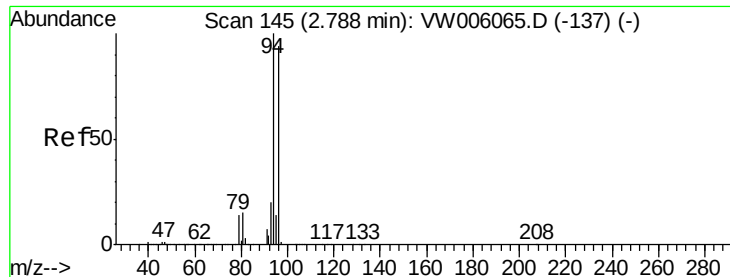
Tgt Ion: 62 Resp: 130729

Ion Ratio Lower Upper

62 100

64 31.8 25.9 38.9





#5

Bromomethane

Concen: 48.858 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 117414

Ion Ratio Lower Upper

94 100

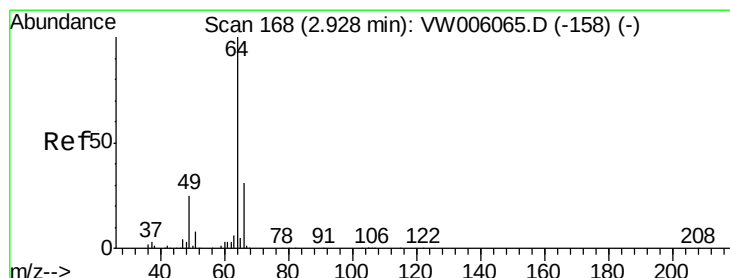
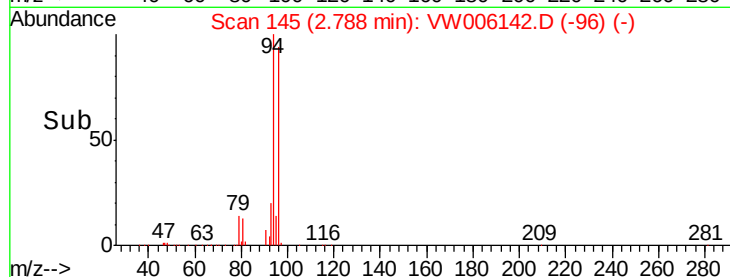
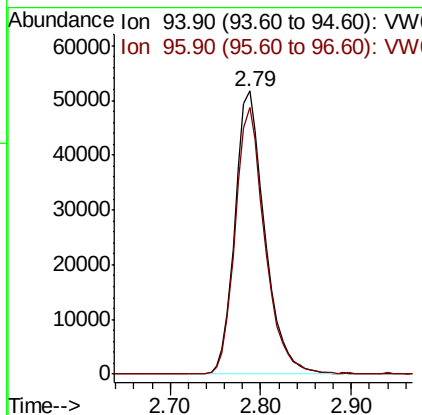
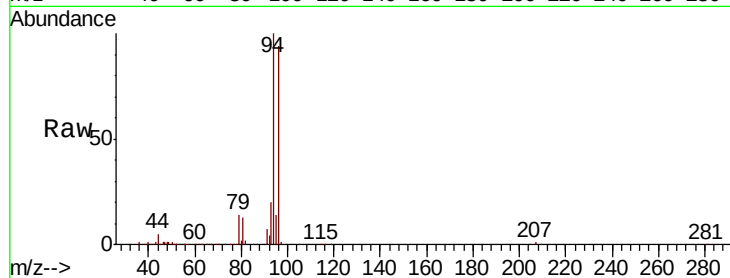
96 94.2 74.9 112.3

Manual Integrations

APPROVED

apatel

10/18/2018 4:39:45 PM



#6

Chloroethane

Concen: 48.504 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW006142.D

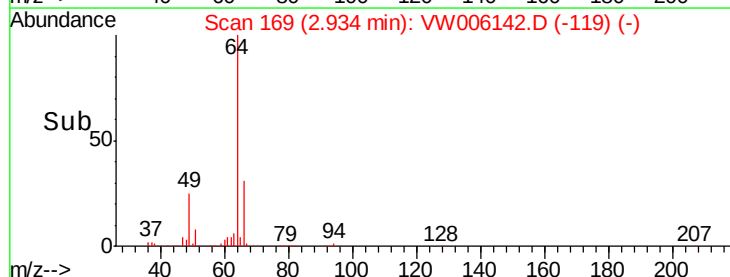
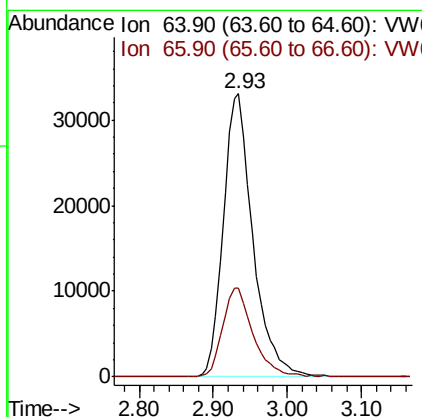
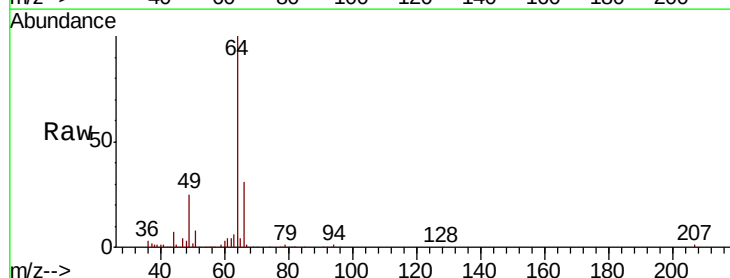
Acq: 17 Oct 2018 22:28

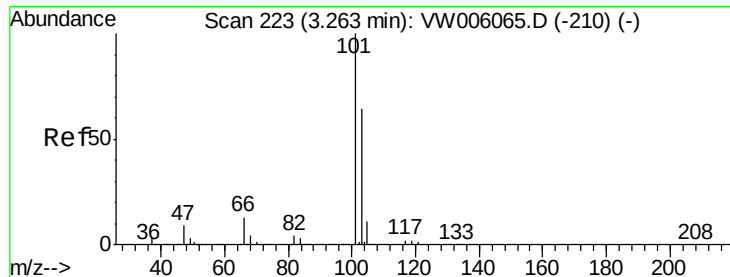
Tgt Ion: 64 Resp: 91842

Ion Ratio Lower Upper

64 100

66 31.1 24.9 37.3





#7

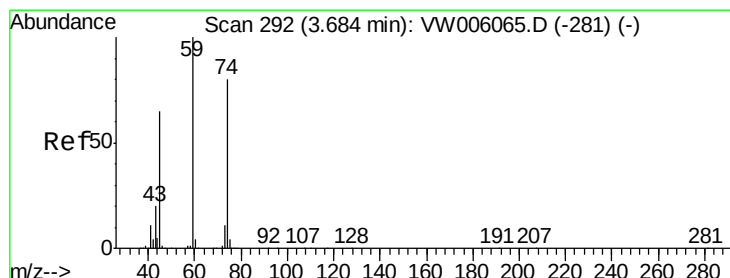
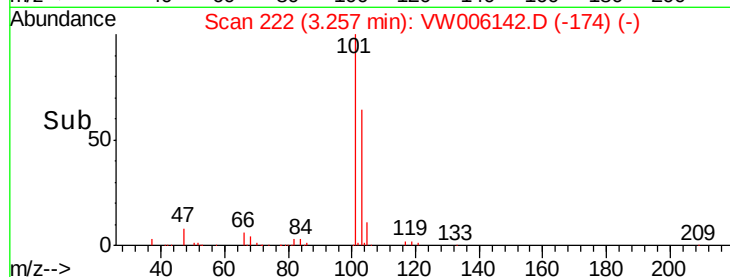
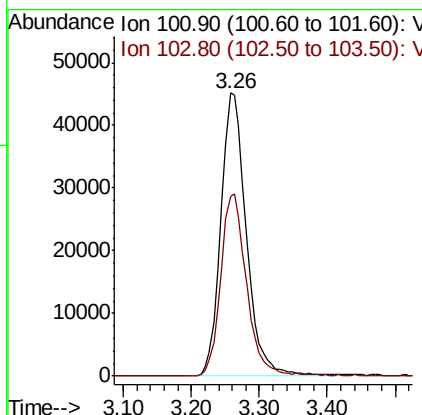
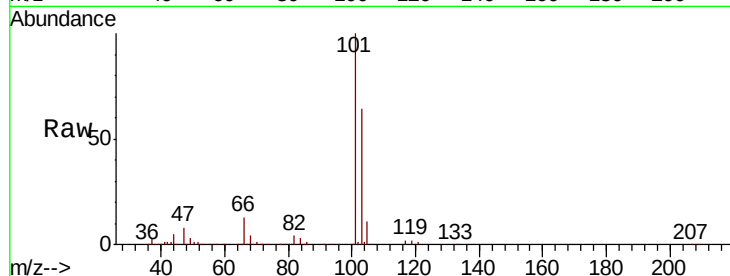
Trichlorofluoromethane
 Concen: 47.821 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.2	76.8

Manual Integrations
 APPROVED

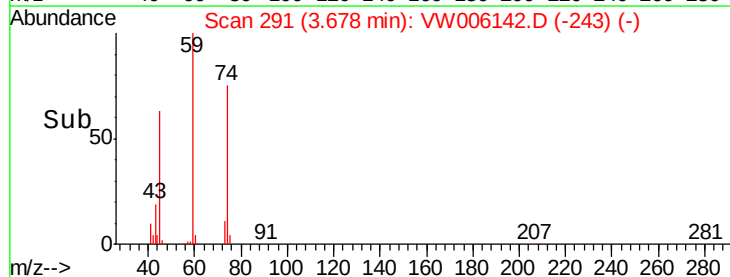
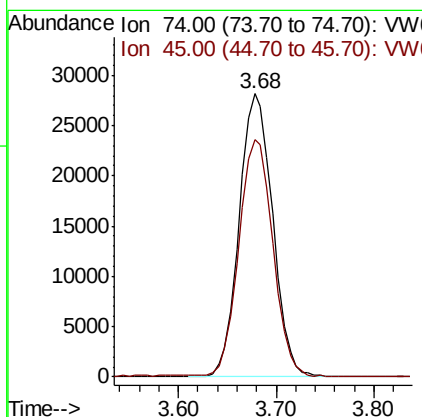
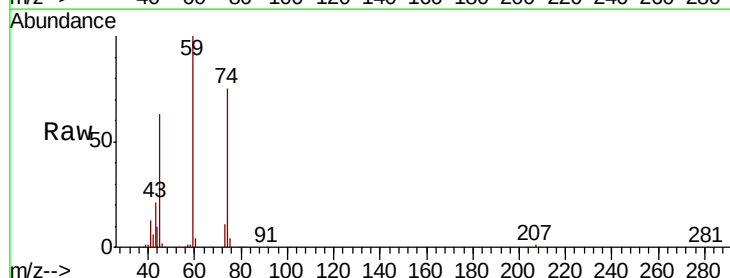
apatel
 10/18/2018 4:39:45 PM

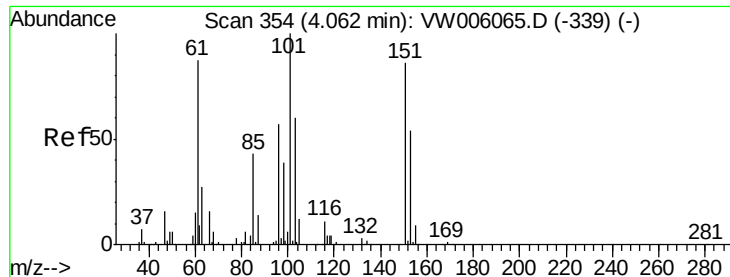


#8

Diethyl Ether
 Concen: 50.981 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.0	42.8	128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.934 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

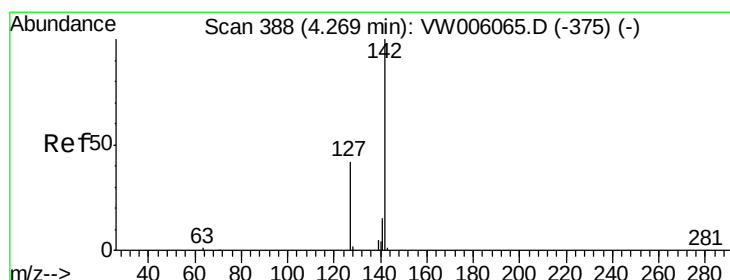
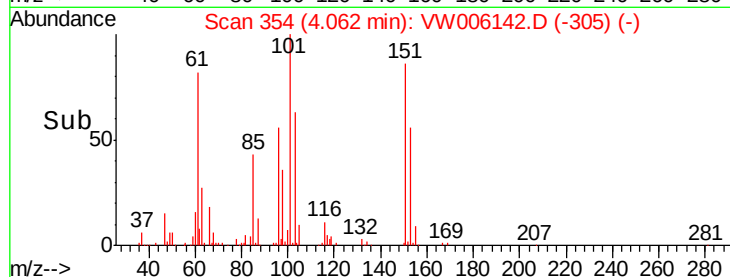
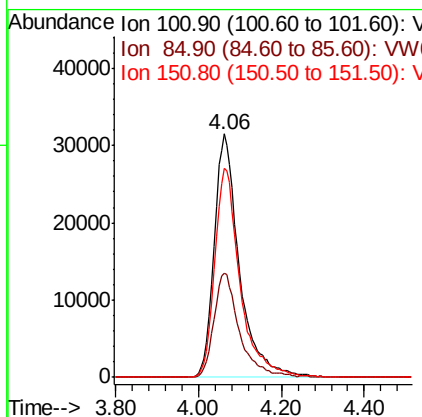
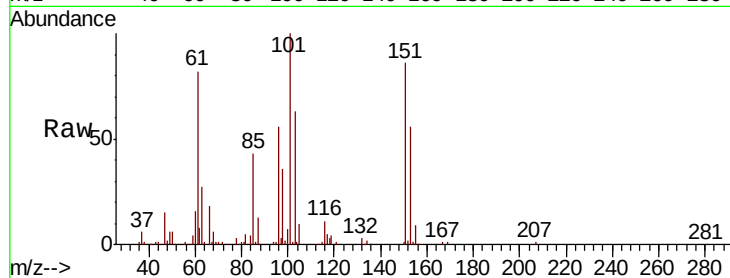
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	131385
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.9	52.3
151	86.6	70.4	105.6

Manual Integrations
APPROVED

apatel
10/18/2018 4:39:45 PM



#10

Methyl Iodide

Concen: 53.995 ug/l

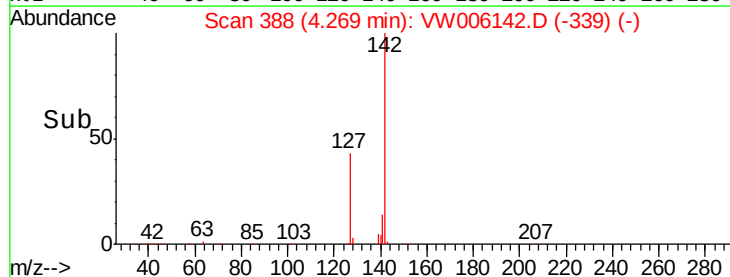
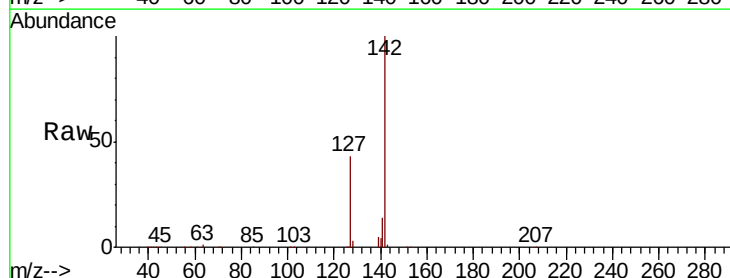
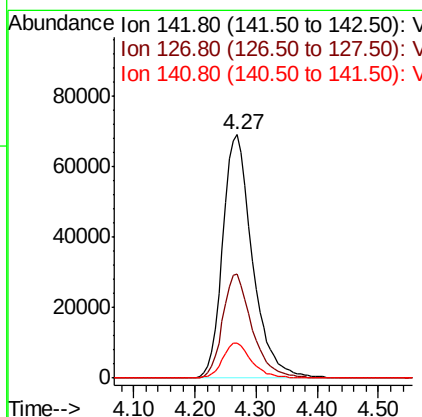
RT: 4.27 min Scan# 388

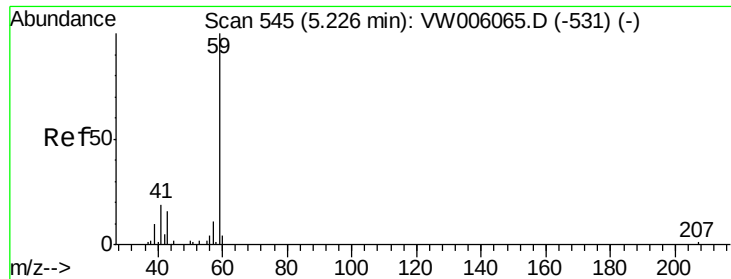
Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Tgt Ion:	142	Resp:	231820
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.6	50.4
141	14.2	11.6	17.4





#11

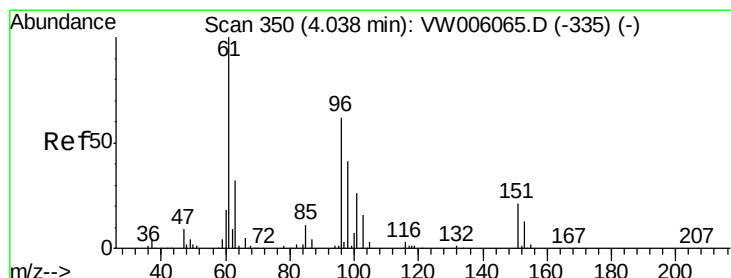
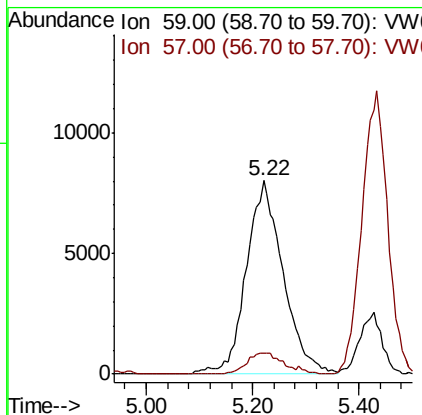
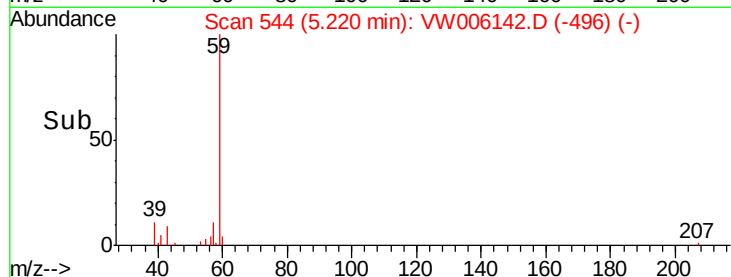
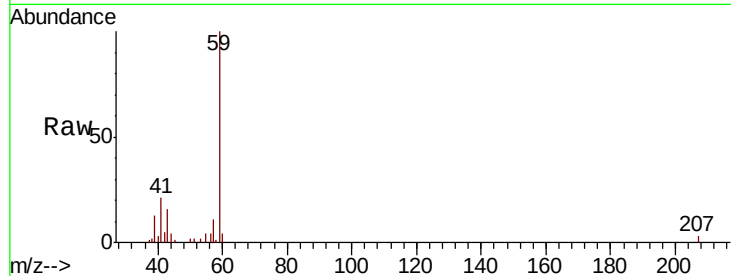
Tert butyl alcohol
Concen: 237.613 ug/l
RT: 5.22 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	38481
Ion Ratio	100	Lower	Upper
57	10.3	8.7	13.1

Manual Integrations
APPROVED

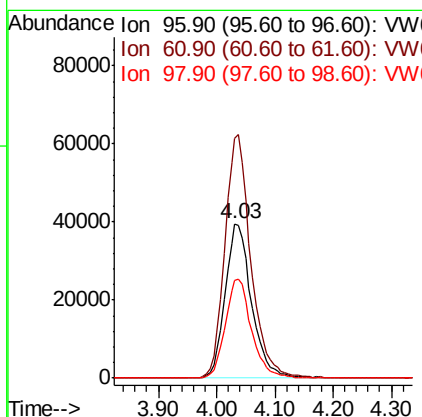
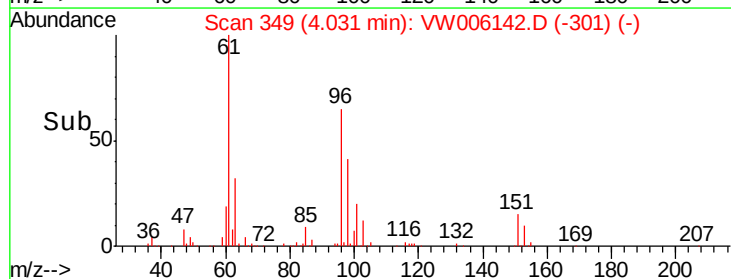
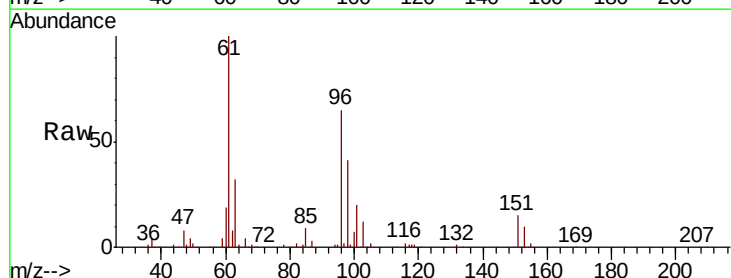
apatel
10/18/2018 4:39:45 PM

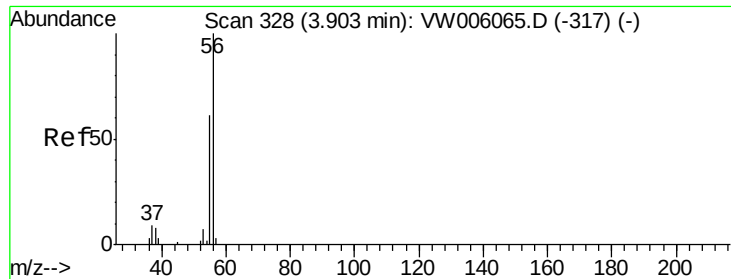


#12

1,1-Dichloroethene
Concen: 51.242 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Tgt Ion	96	Resp	124354
Ion Ratio	100	Lower	Upper
61	154.9	129.3	193.9
98	63.2	53.1	79.7





#13

Acrolein

Concen: 245.638 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 38493

Ion Ratio Lower Upper

56 100

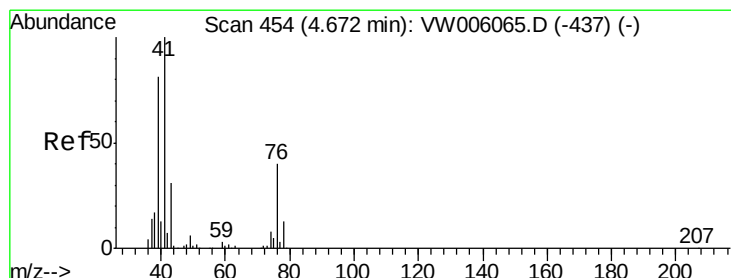
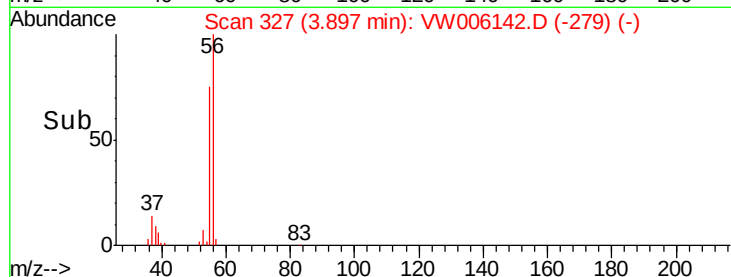
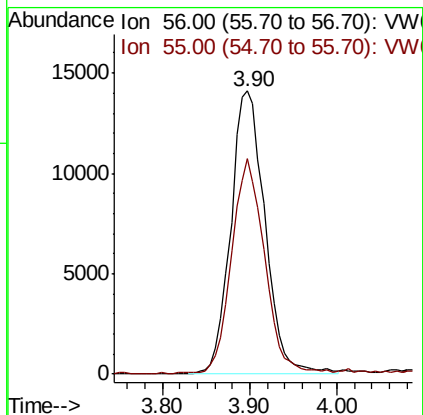
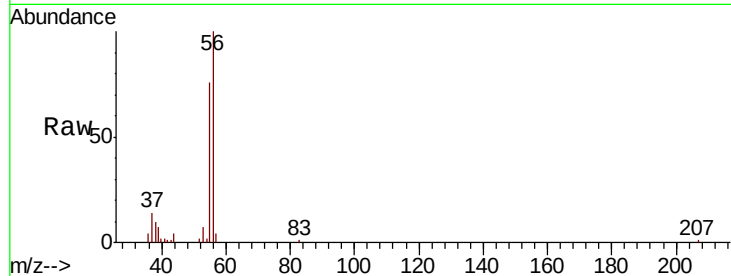
55 73.2 54.5 81.7

Manual Integrations

APPROVED

apatel

10/18/2018 4:39:45 PM



#14

Allyl chloride

Concen: 51.872 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

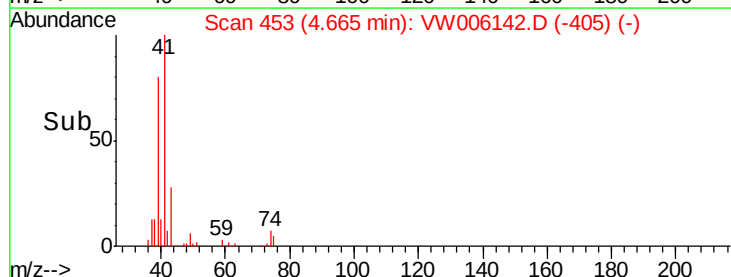
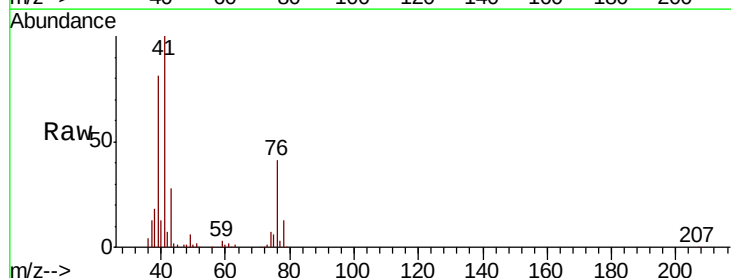
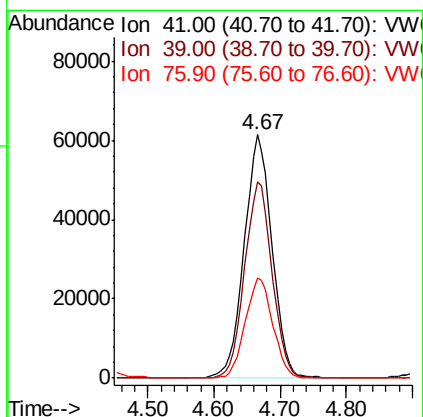
Tgt Ion: 41 Resp: 179993

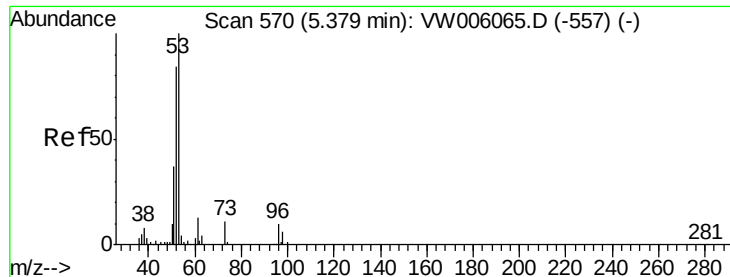
Ion Ratio Lower Upper

41 100

39 79.7 64.1 96.1

76 40.5 32.2 48.4





#15

Acrylonitrile

Concen: 253.912 ug/l

RT: 5.38 min Scan# 570

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

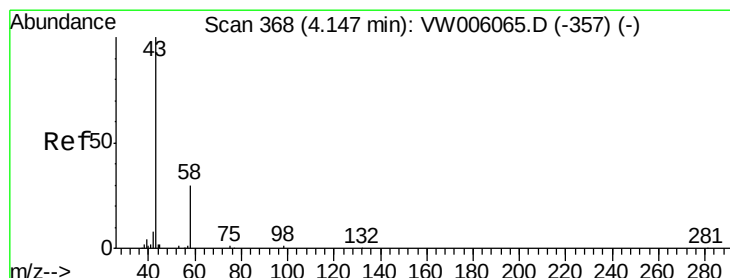
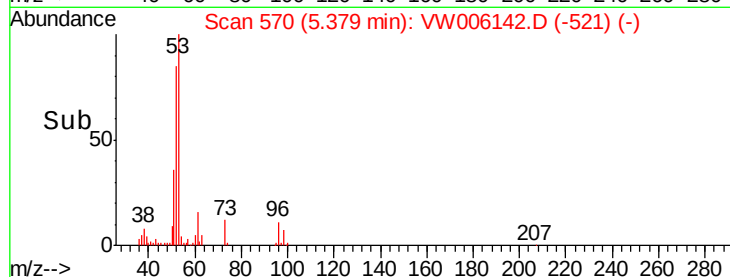
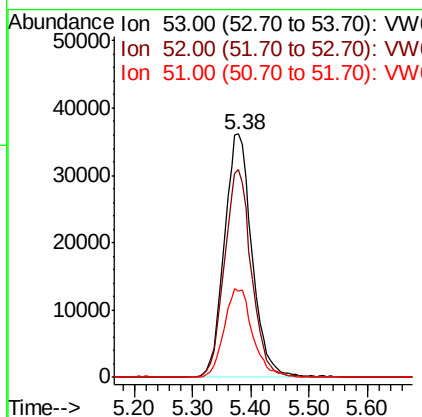
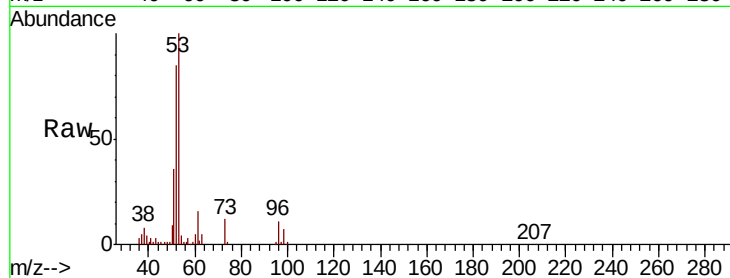
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	119134
Ion Ratio	Lower	Upper	
53	100		
52	82.8	66.9	100.3
51	37.7	30.1	45.1

Manual Integrations
APPROVED

apatel
10/18/2018 4:39:45 PM



#16

Acetone

Concen: 226.498 ug/l

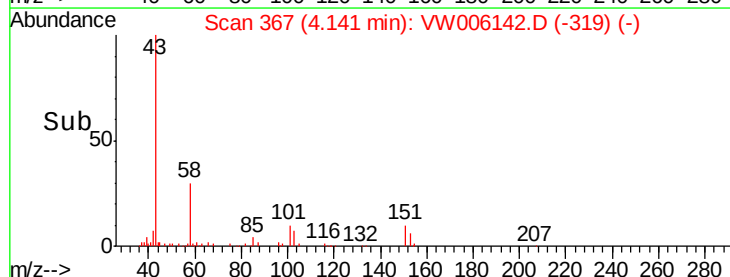
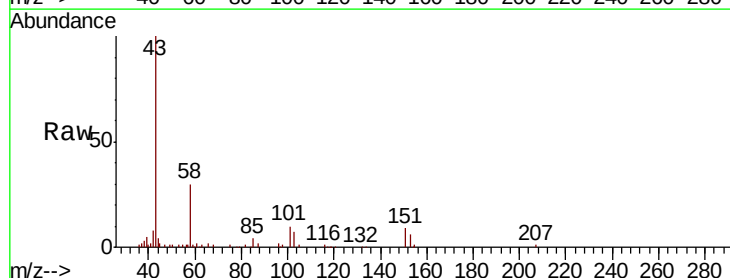
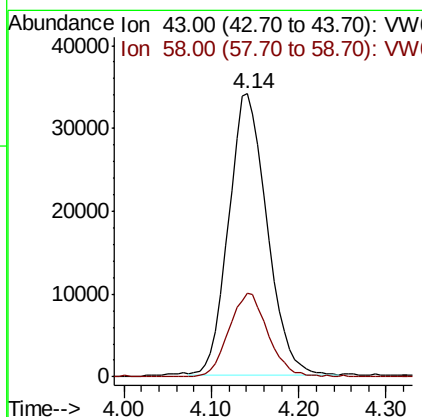
RT: 4.14 min Scan# 367

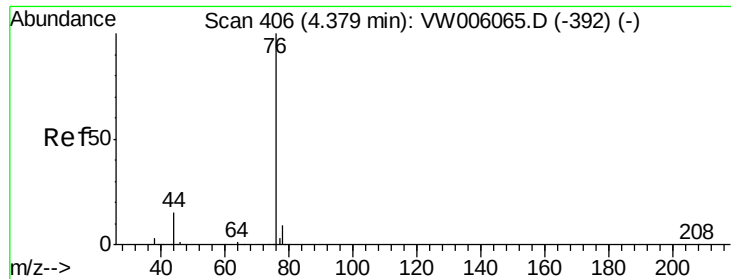
Delta R.T. -0.01 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Tgt Ion:	43	Resp:	102950
Ion Ratio	Lower	Upper	
43	100		
58	29.7	24.0	36.0





#17

Carbon Disulfide

Concen: 49.478 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 362385

Ion Ratio Lower Upper

76 100

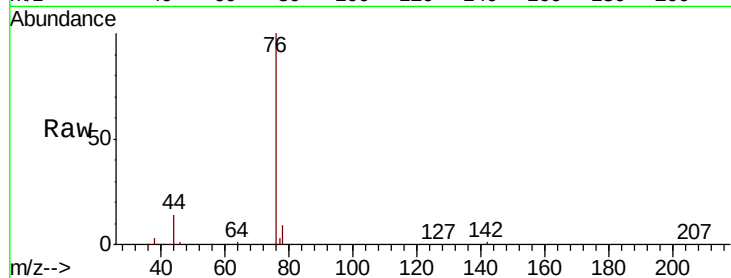
78 8.9 7.5 11.3

Manual Integrations

APPROVED

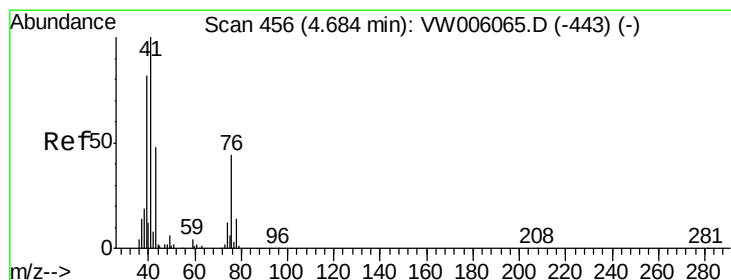
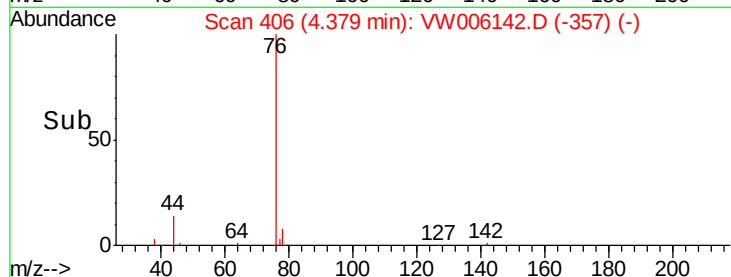
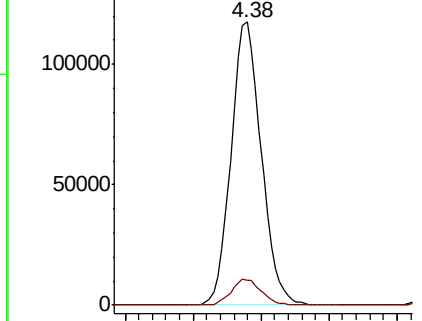
apatel

10/18/2018 4:39:45 PM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 53.231 ug/l

RT: 4.68 min Scan# 456

Delta R.T. -0.01 min

Lab File: VW006142.D

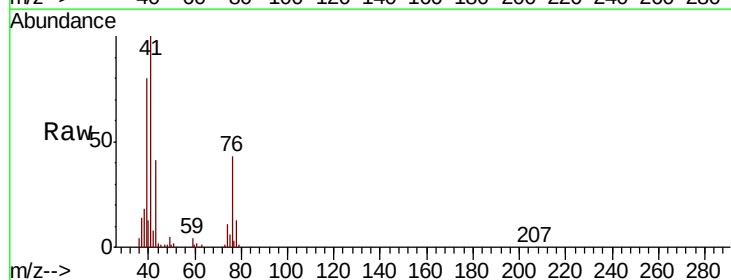
Acq: 17 Oct 2018 22:28

Tgt Ion: 43 Resp: 64506

Ion Ratio Lower Upper

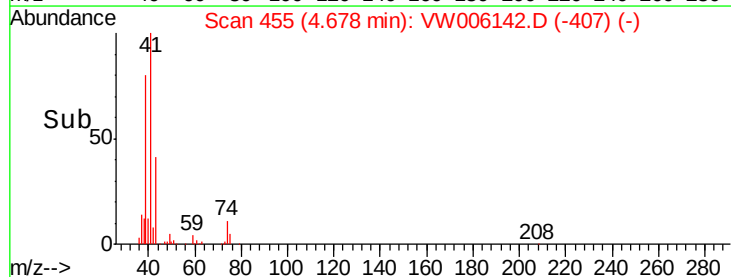
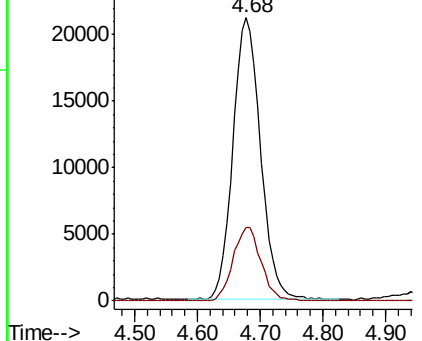
43 100

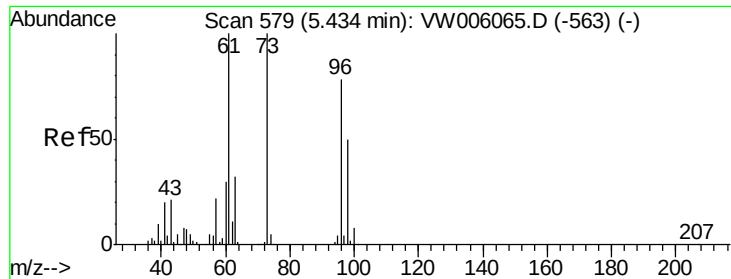
74 26.3 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





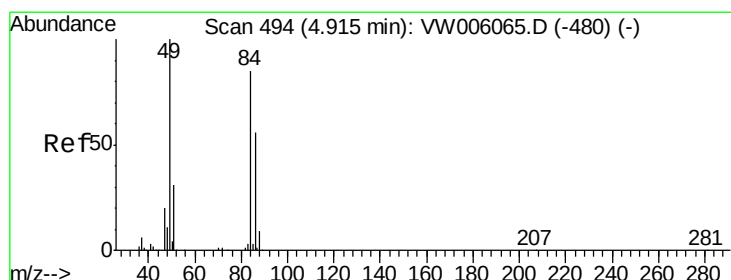
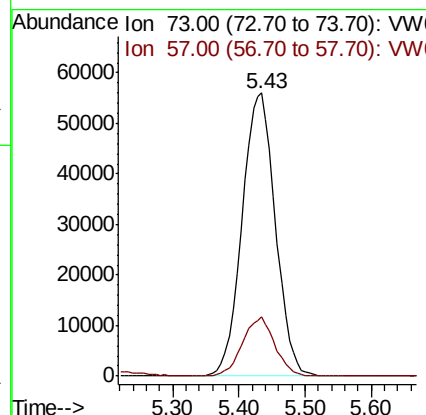
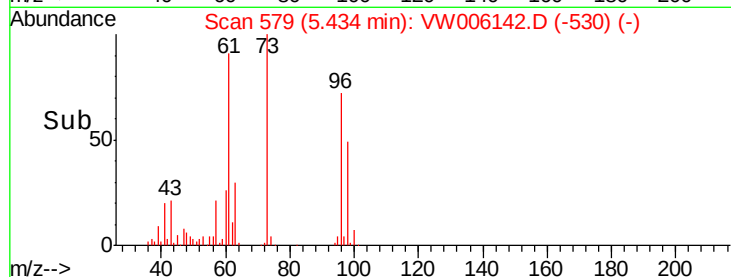
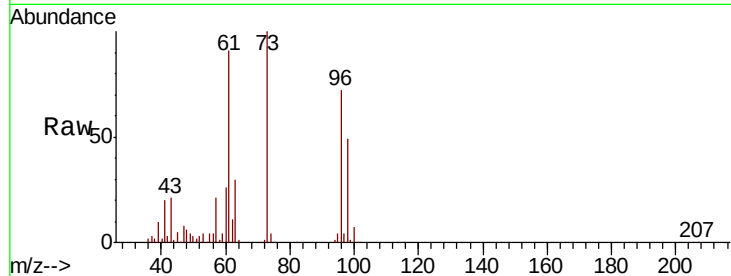
#19
Methyl tert-butyl Ether
Concen: 52.807 ug/l
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.4	26.2

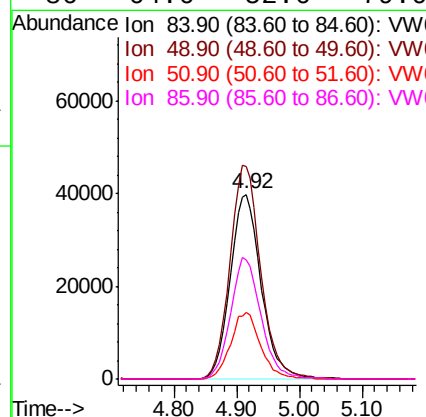
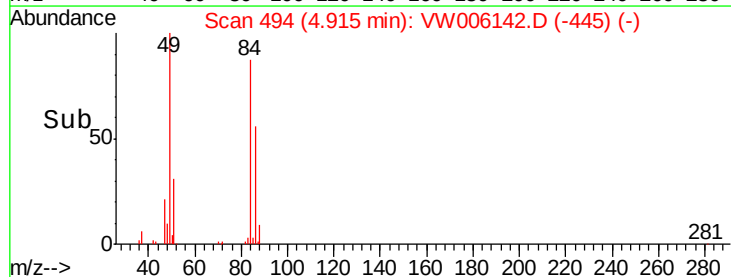
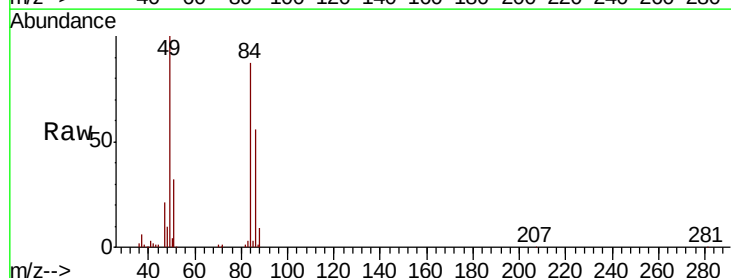
Manual Integrations
APPROVED

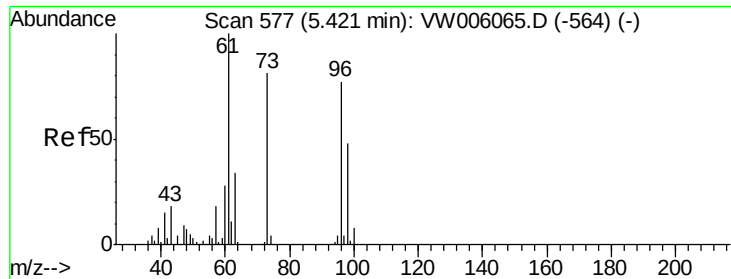
apatel
10/18/2018 4:39:45 PM



#20
Methylene Chloride
Concen: 53.554 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.2	93.6	140.4
51	36.4	29.0	43.4
86	64.6	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 52.255 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

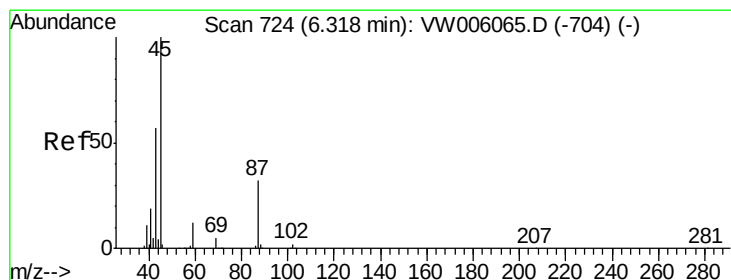
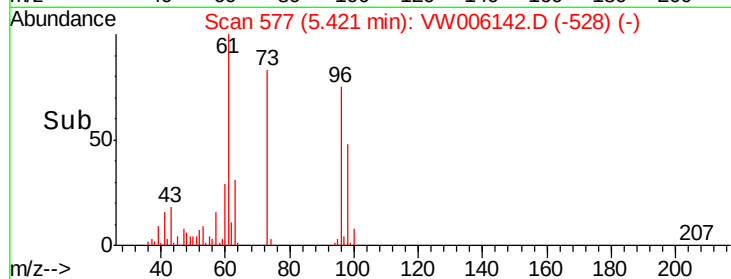
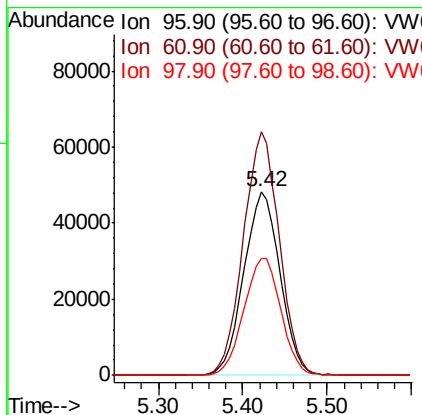
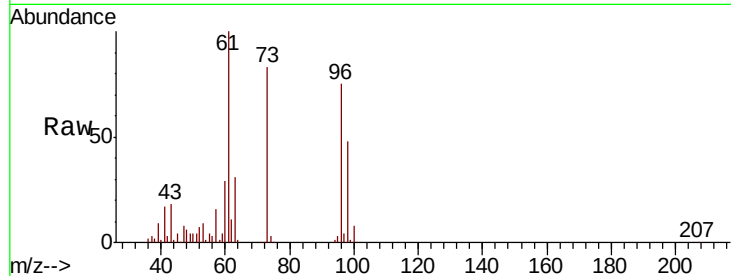
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	141548
Ion	Ratio	Lower	Upper
96	100		
61	132.7	104.5	156.7
98	63.4	50.6	75.8

Manual Integrations
APPROVED

apatel
10/18/2018 4:39:45 PM



#22

Diisopropyl ether

Concen: 53.342 ug/l

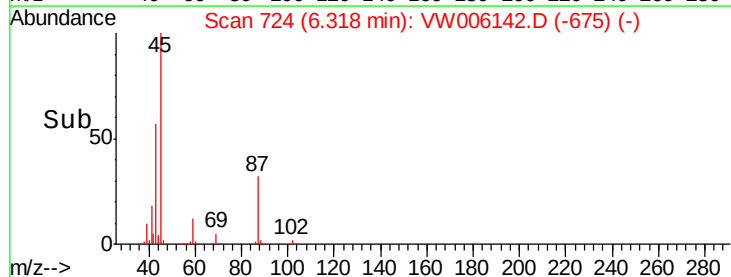
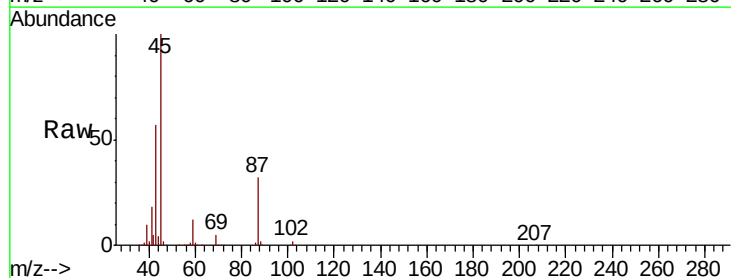
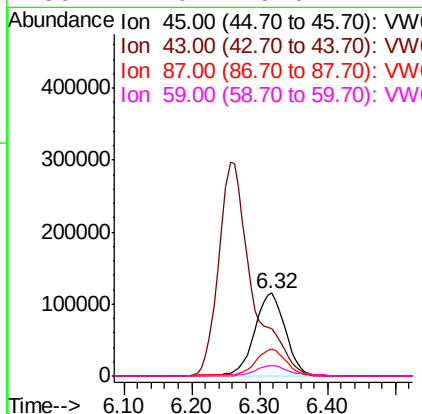
RT: 6.32 min Scan# 724

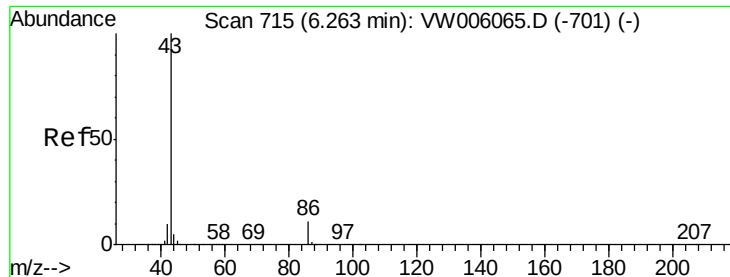
Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Tgt Ion:	45	Resp:	365776
Ion	Ratio	Lower	Upper
45	100		
43	56.3	45.7	68.5
87	32.4	25.9	38.9
59	12.0	9.6	14.4





#23

Vinyl Acetate

Concen: 250.199 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1012495

Ion Ratio Lower Upper

43 100

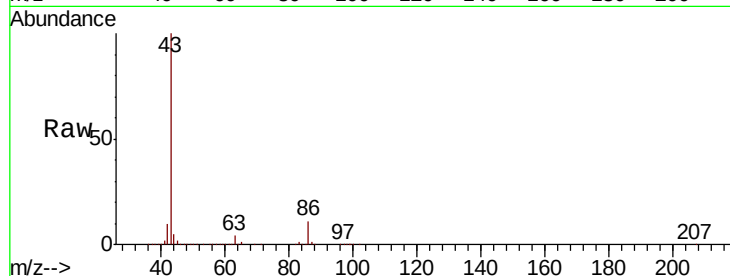
86 11.4 9.0 13.6

Manual Integrations

APPROVED

apatel

10/18/2018 4:39:45 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

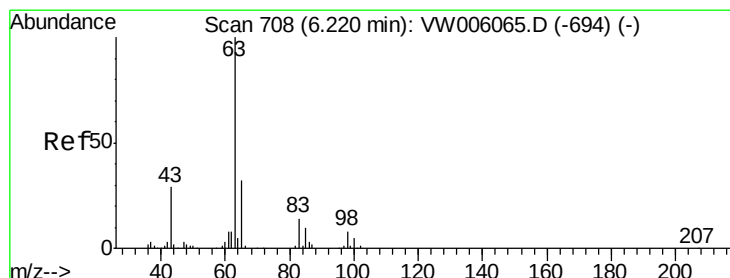
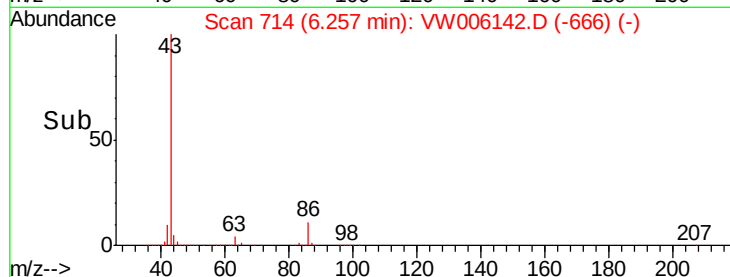
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.612 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

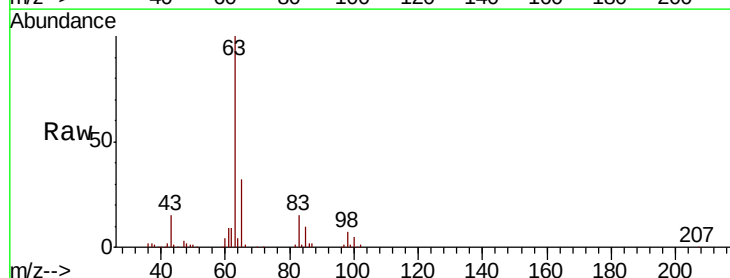
Tgt Ion: 63 Resp: 237212

Ion Ratio Lower Upper

63 100

98 7.3 3.8 11.2

100 4.6 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

100000

80000

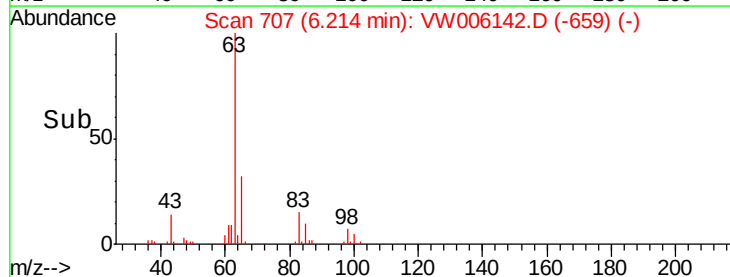
60000

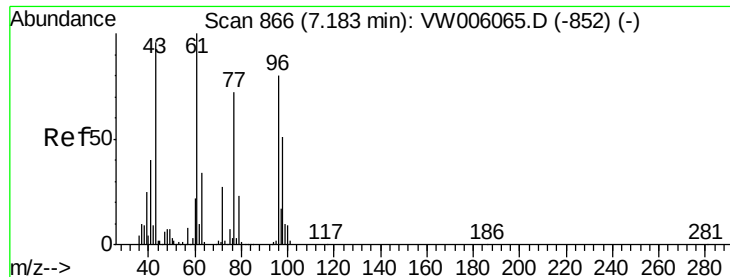
40000

20000

0

Time-->





#25

2-Butanone

Concen: 239.693 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 155924

Ion Ratio Lower Upper

43 100

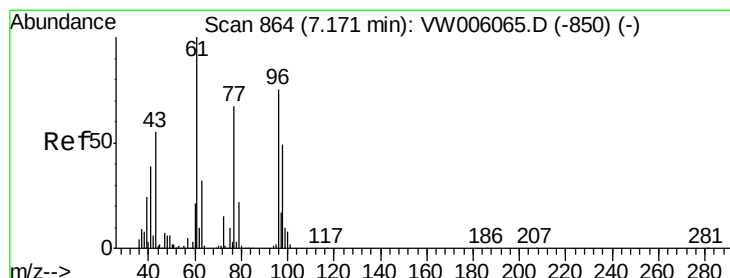
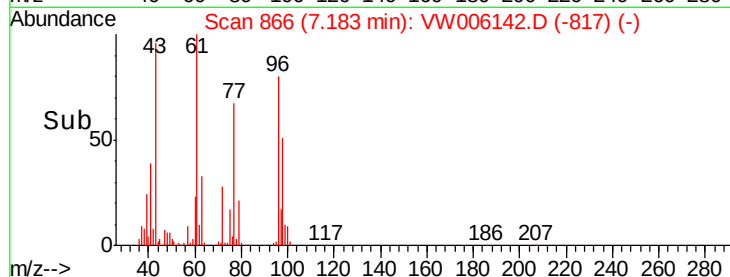
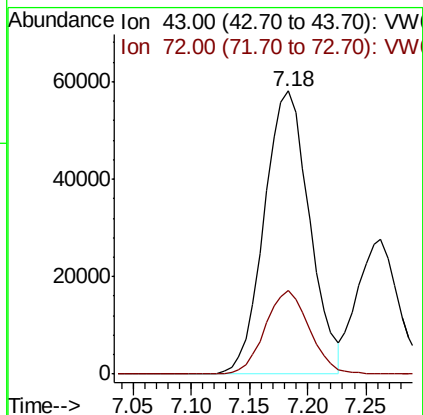
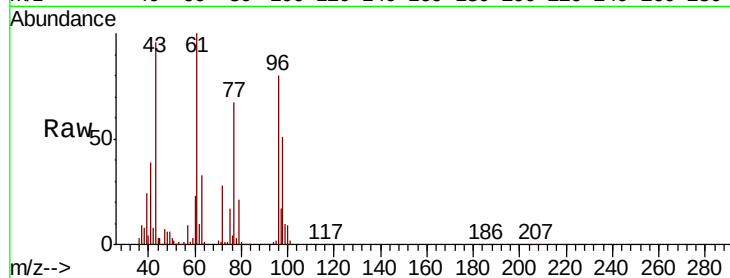
72 29.6 22.8 34.2

Manual Integrations

APPROVED

apatel

10/18/2018 4:39:45 PM



#26

2,2-Dichloropropane

Concen: 48.454 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006142.D

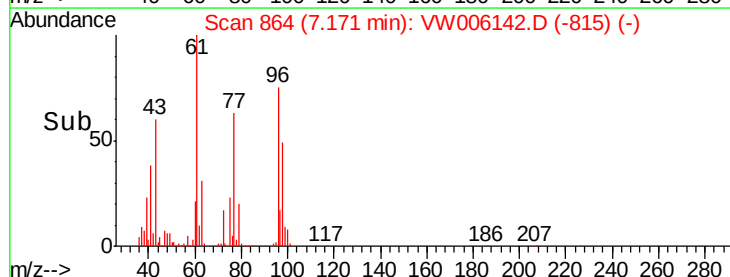
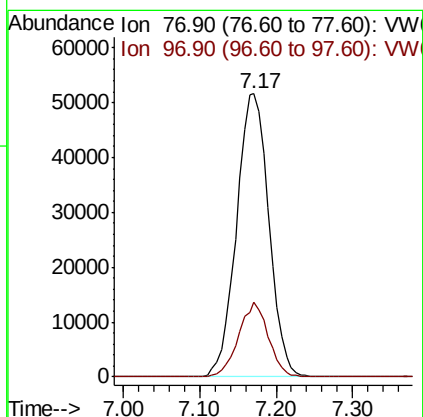
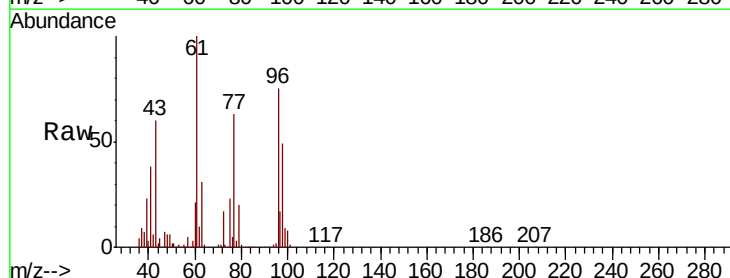
Acq: 17 Oct 2018 22:28

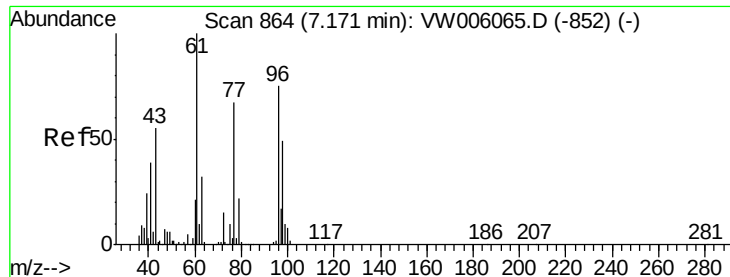
Tgt Ion: 77 Resp: 151208

Ion Ratio Lower Upper

77 100

97 24.2 12.2 36.4





#27

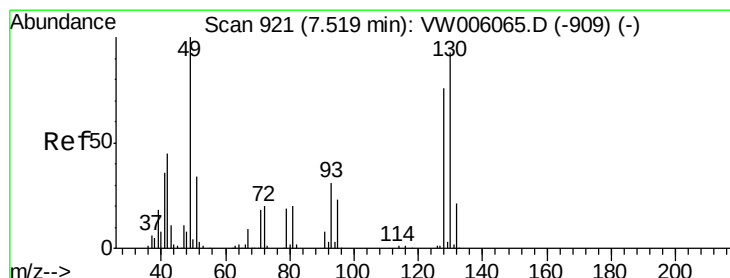
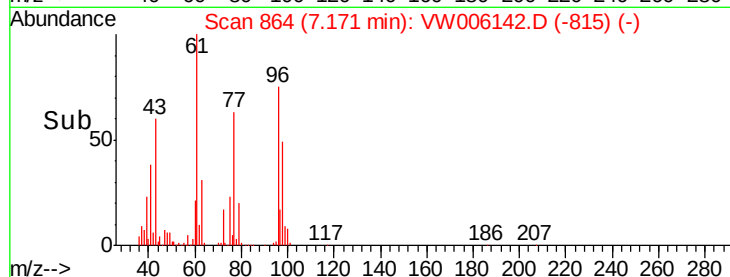
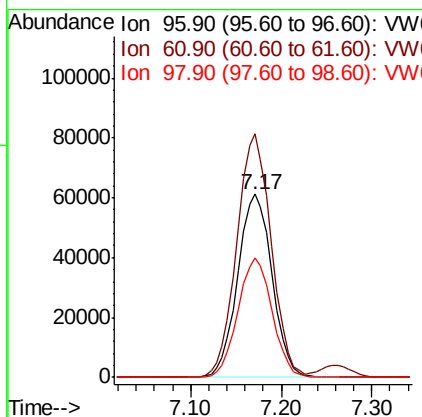
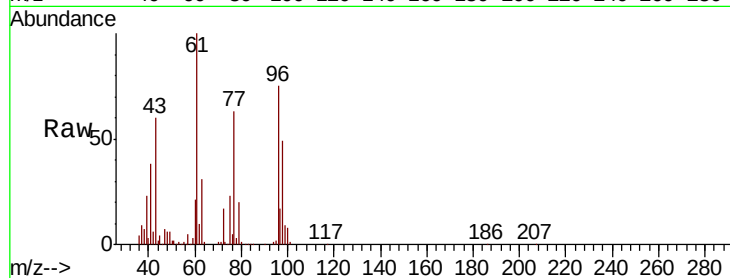
cis-1,2-Dichloroethene
Concen: 53.792 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.8	0.0	267.2
98	64.8	0.0	128.6

Manual Integrations
APPROVED

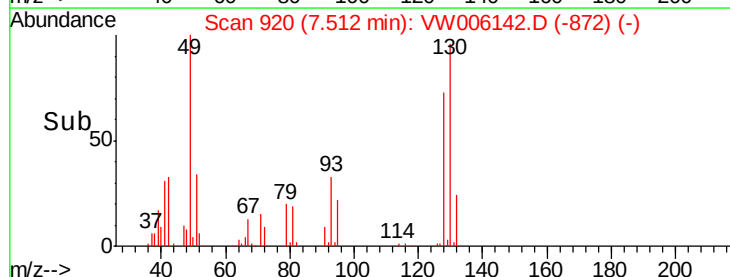
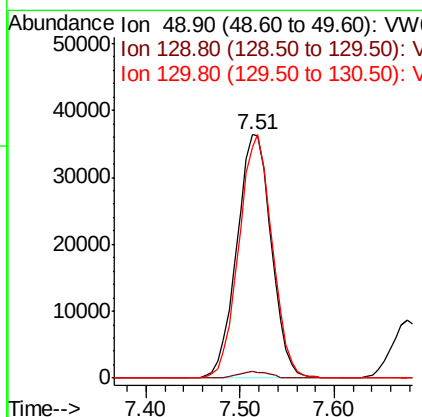
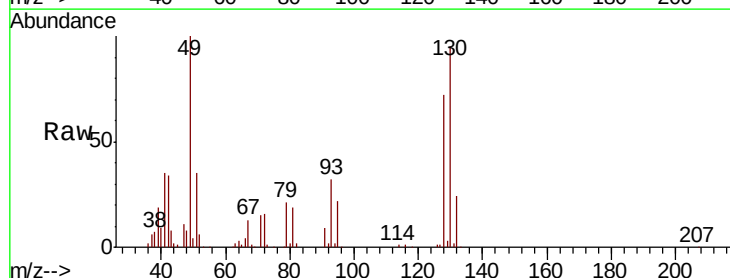
apatel
10/18/2018 4:39:45 PM

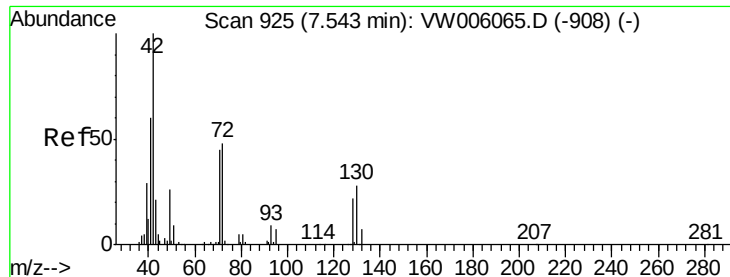


#28

Bromochloromethane
Concen: 54.197 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.0
130	96.3	73.8	110.8





#29

Tetrahydrofuran

Concen: 246.476 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

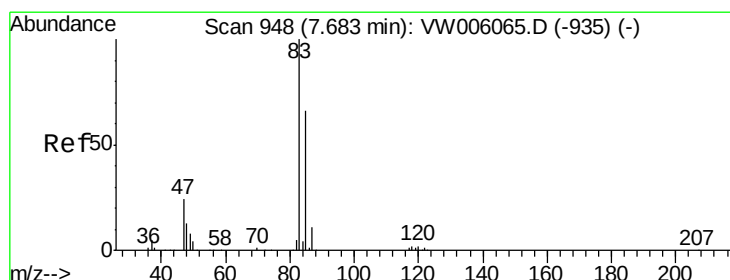
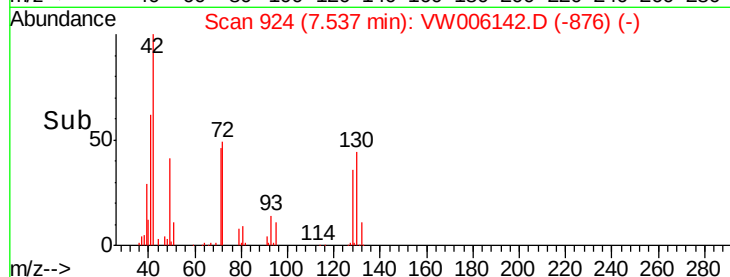
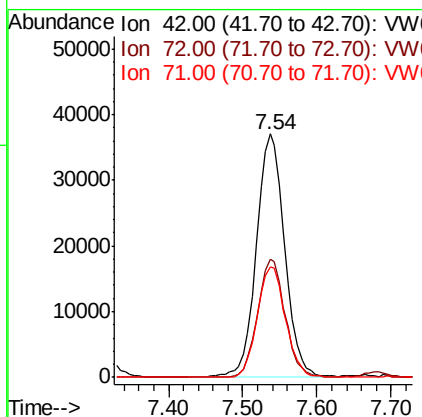
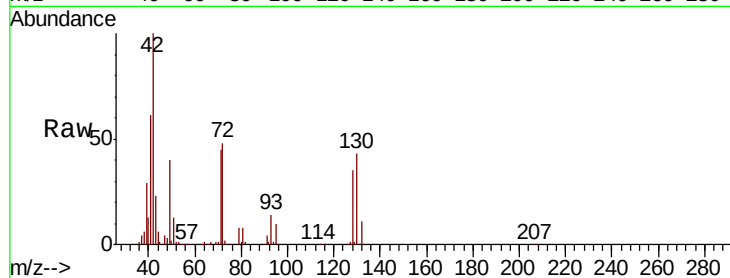
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	98555
Ion Ratio		Lower	Upper
42	100		
72	47.1	38.0	57.0
71	45.5	35.3	52.9

Manual Integrations
APPROVED

apatel
10/18/2018 4:39:45 PM



#30

Chloroform

Concen: 53.240 ug/l

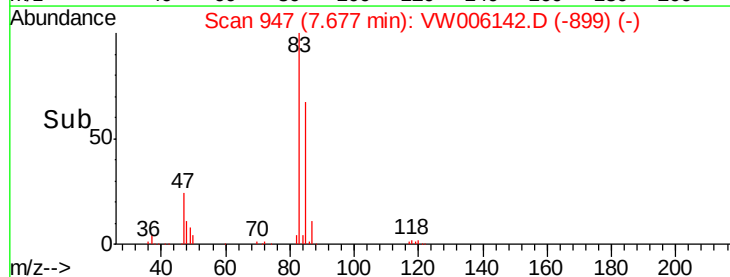
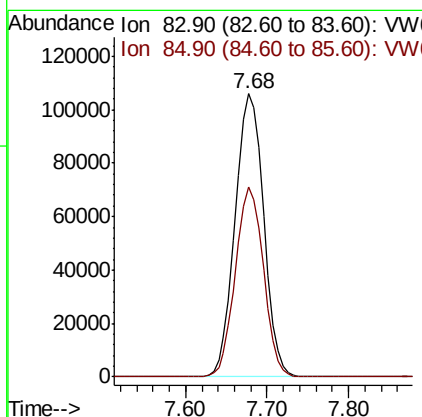
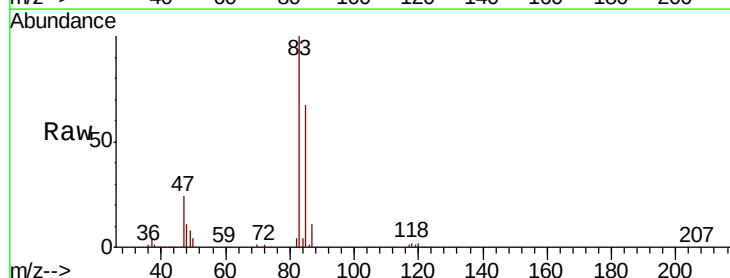
RT: 7.68 min Scan# 947

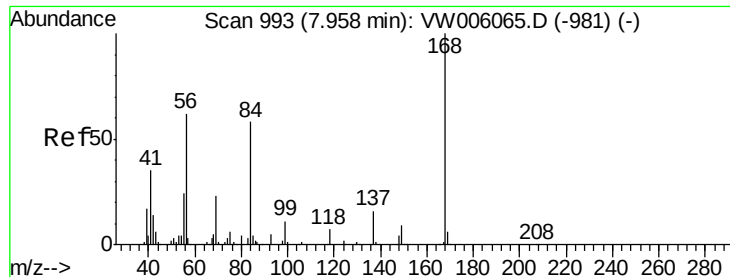
Delta R.T. -0.01 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Tgt Ion:	83	Resp:	256652
Ion Ratio		Lower	Upper
83	100		
85	67.3	52.6	79.0





#31

Cyclohexane

Concen: 47.012 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

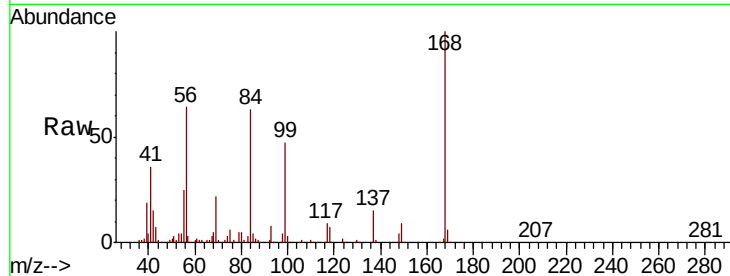
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	207147
Ion Ratio	Lower	Upper	
56	100		
69	34.8	29.4	44.0
84	96.8	74.0	111.0

Manual Integrations
APPROVED

apatel
10/18/2018 4:39:45 PM

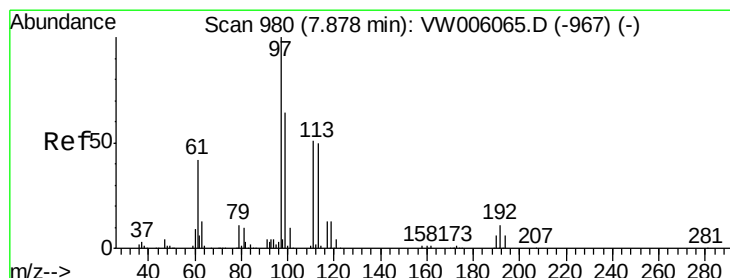
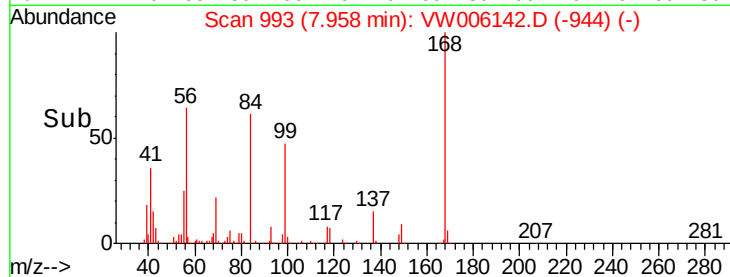
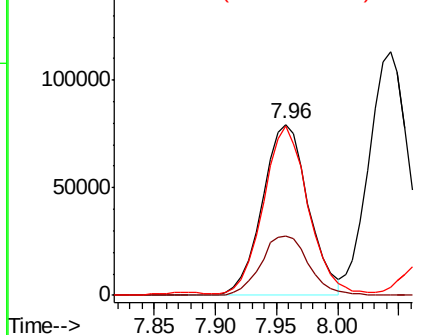


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 52.059 ug/l

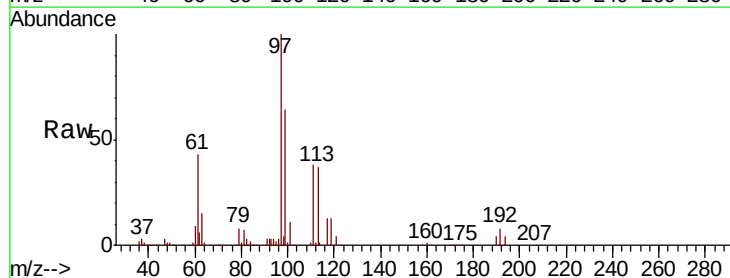
RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Tgt Ion:	97	Resp:	226381
Ion Ratio	Lower	Upper	
97	100		
99	65.0	50.9	76.3
61	42.4	33.7	50.5

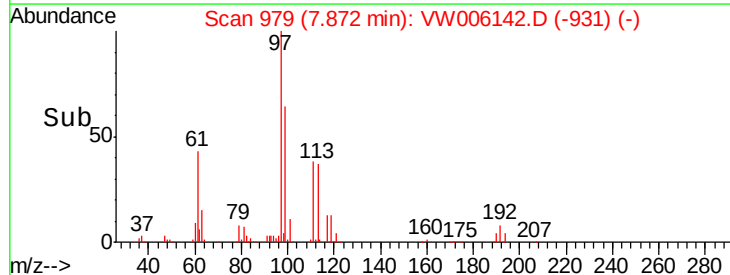
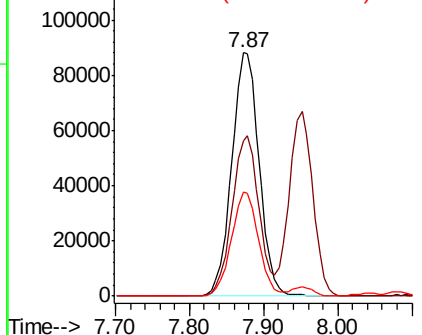


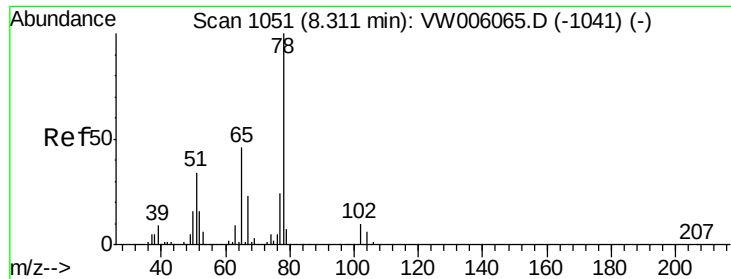
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW





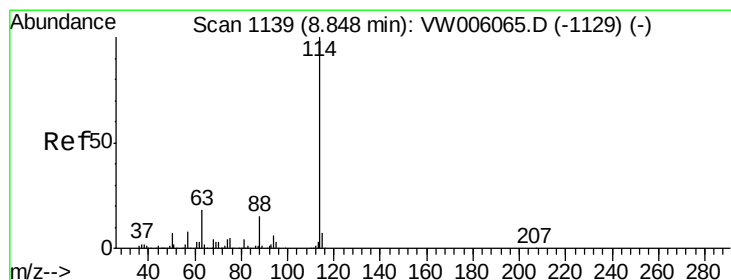
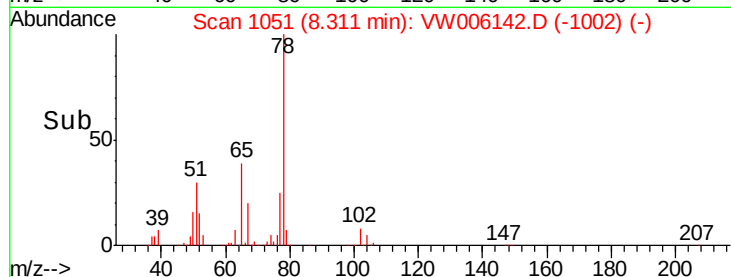
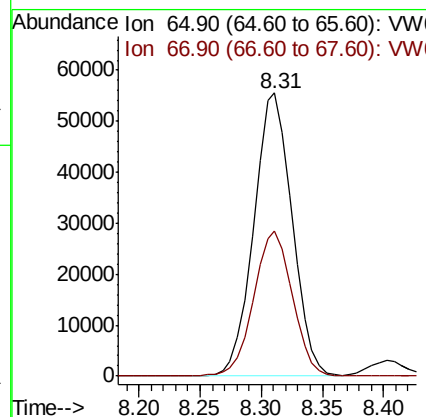
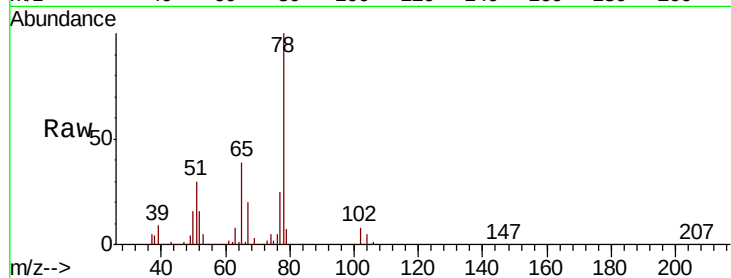
#33
 1,2-Dichloroethane-d4
 Concen: 50.268 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	121044		
67	51.9	0.0	101.0	

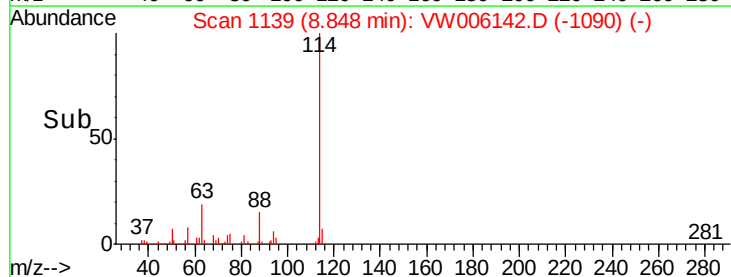
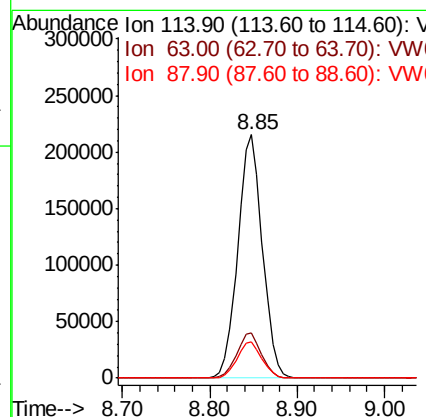
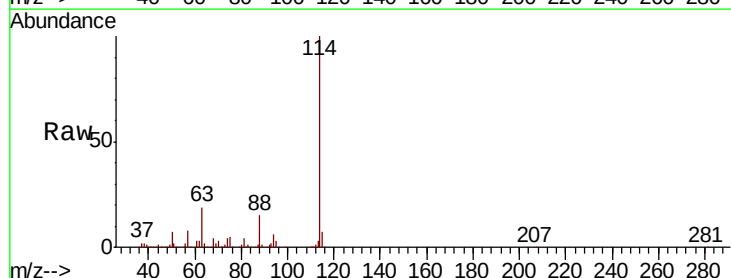
Manual Integrations
 APPROVED

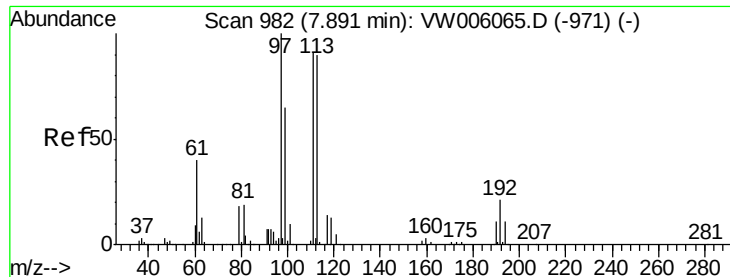
apatel
 10/18/2018 4:39:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	419665		
63	18.7	0.0	36.8	
88	14.9	0.0	29.0	





#35

Dibromofluoromethane

Concen: 51.062 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

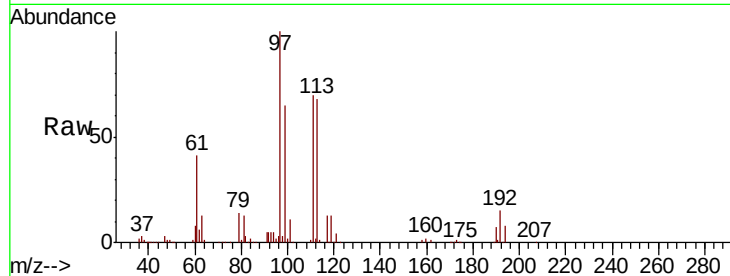
ClientSampleId :

VSTDCCC050EC

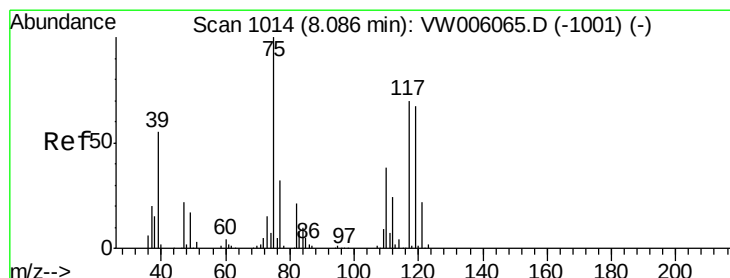
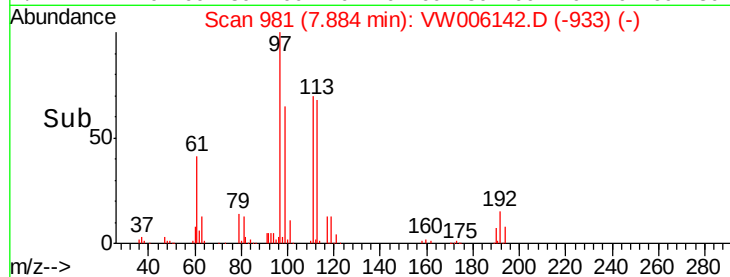
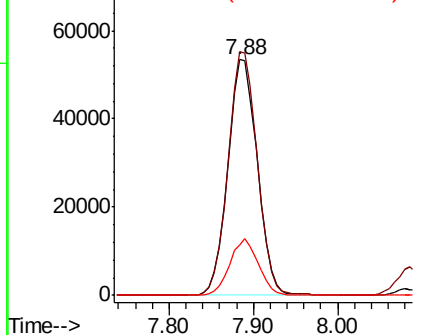
Tot Ion:	113	Resp:	126623
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.4	122.0
192	23.1	18.7	28.1

Manual Integrations
APPROVED

apatel
10/18/2018 4:39:45 PM



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.704 ug/l

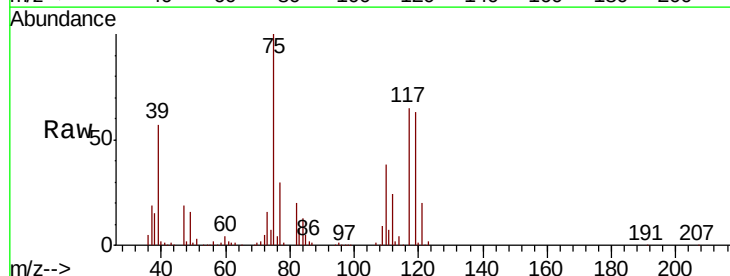
RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

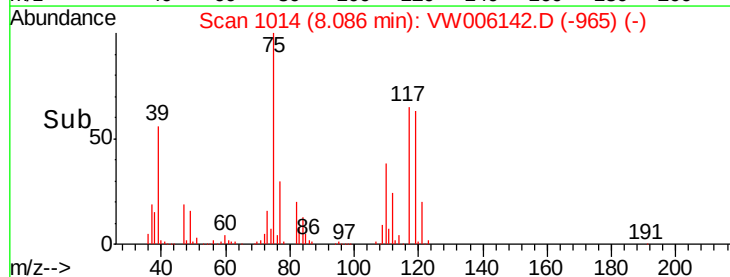
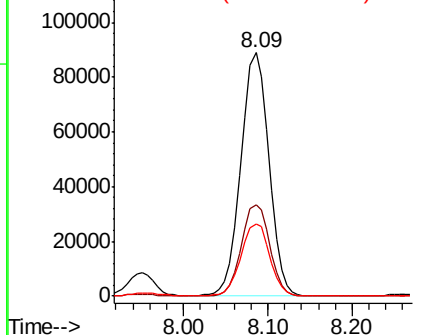
Lab File: VW006142.D

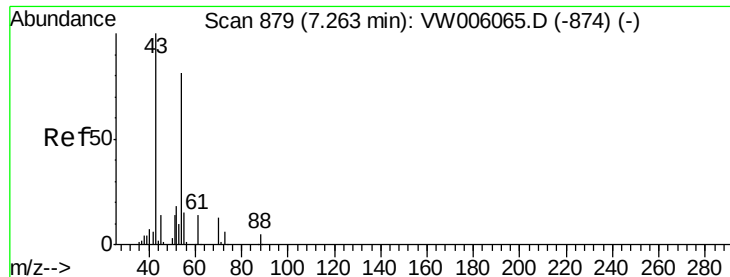
Acq: 17 Oct 2018 22:28

Tgt Ion:	75	Resp:	199998
Ion Ratio	Lower	Upper	
75	100		
110	37.8	19.1	57.1
77	30.6	25.0	37.4



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





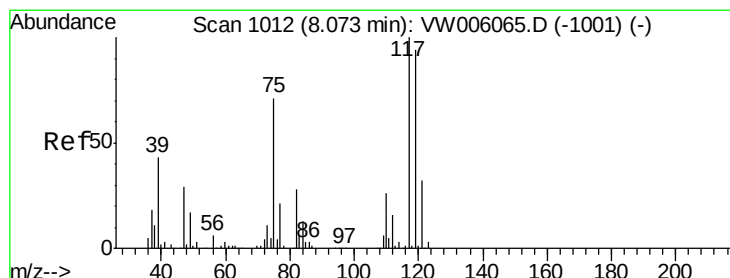
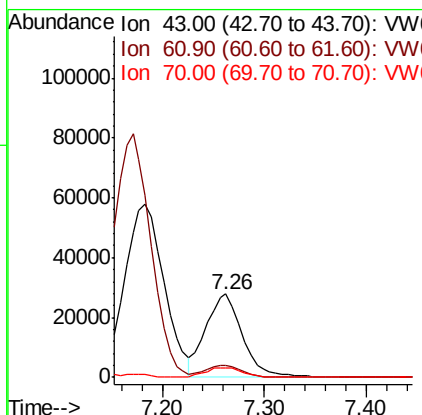
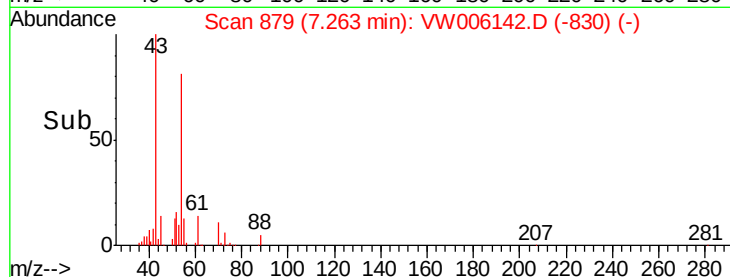
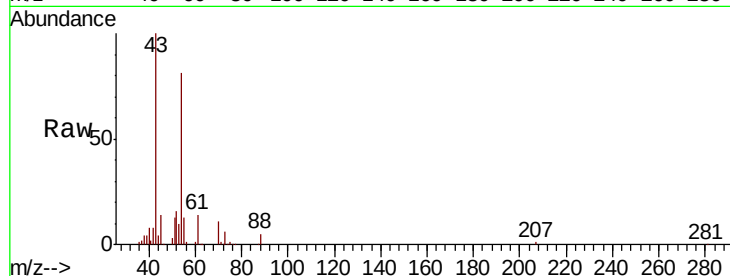
#37
Ethyl Acetate
Concen: 48.171 ug/l
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.5	17.3
70	12.0	9.2	13.8

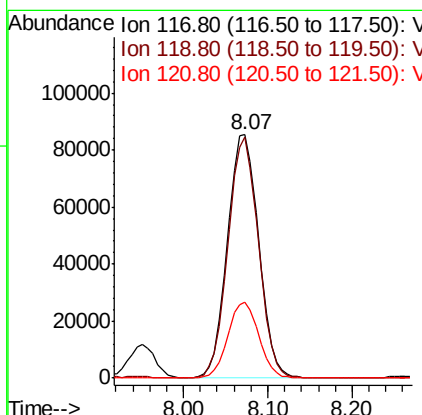
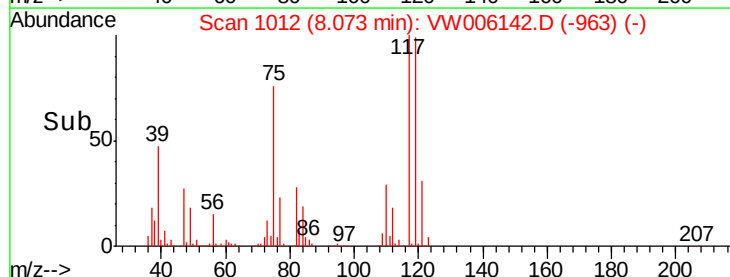
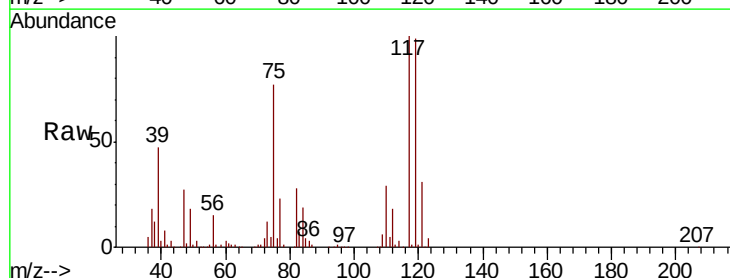
Manual Integrations
APPROVED

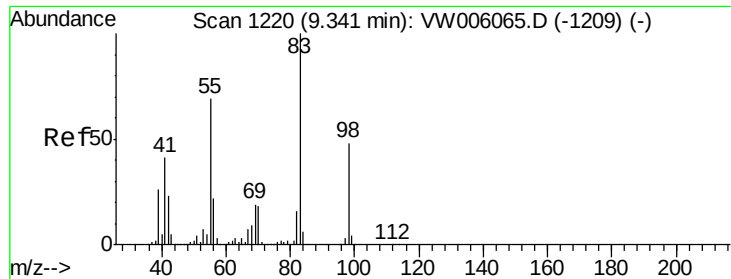
apatel
10/18/2018 4:39:45 PM



#38
Carbon Tetrachloride
Concen: 50.688 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.2	75.2	112.8
121	31.2	25.3	37.9





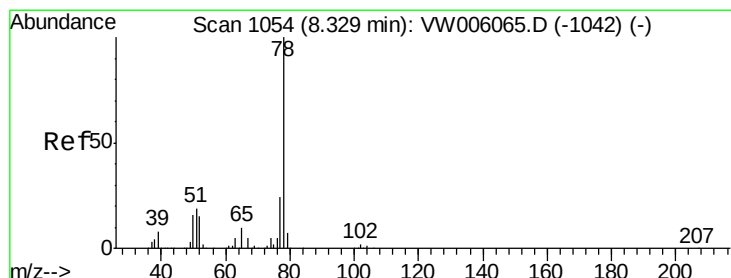
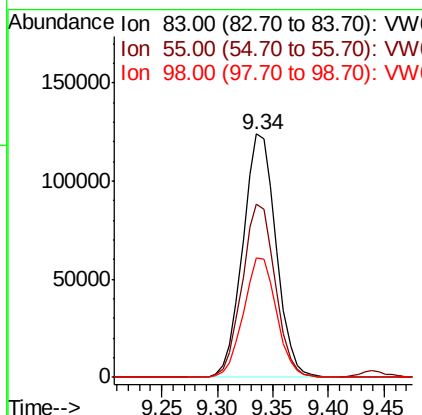
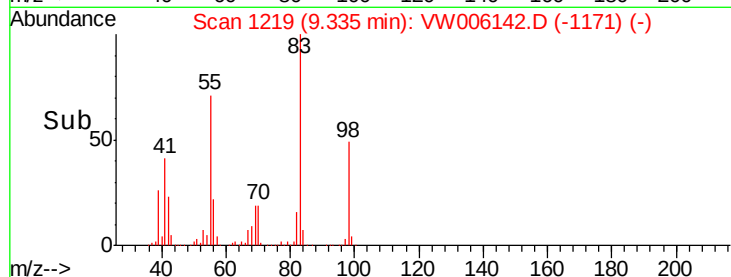
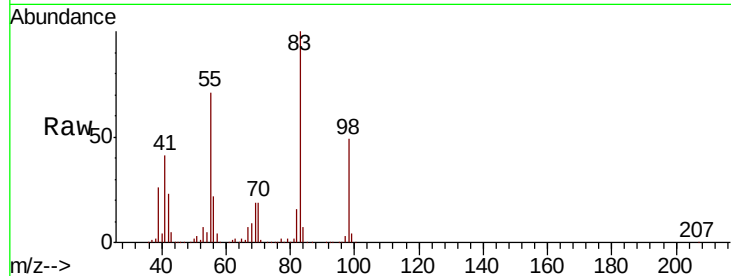
#39
Methylvlcyclohexane
Concen: 50.143 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	257828		
55	71.0		55.0	82.6
98	49.0		38.6	57.8

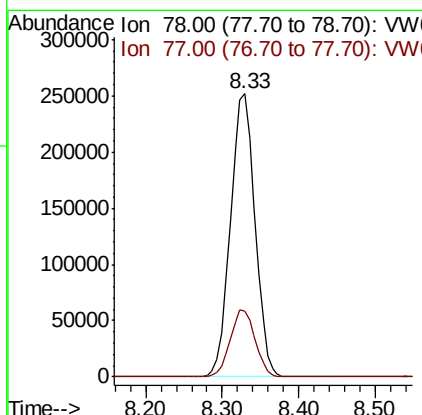
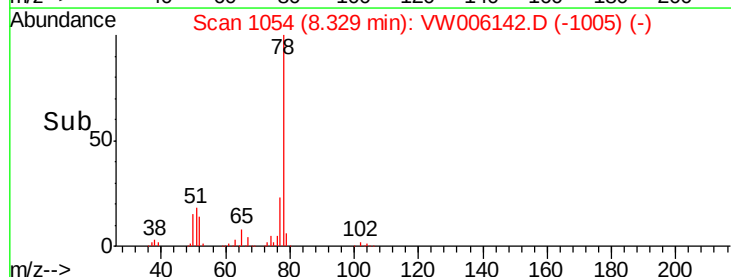
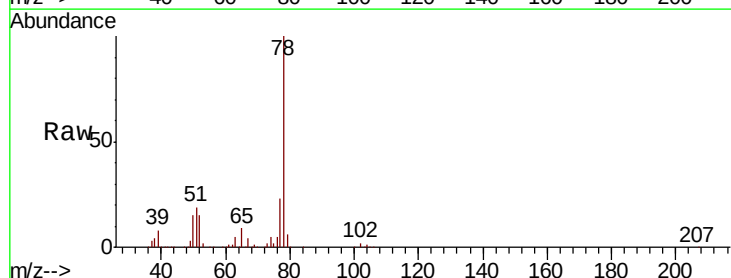
Manual Integrations
APPROVED

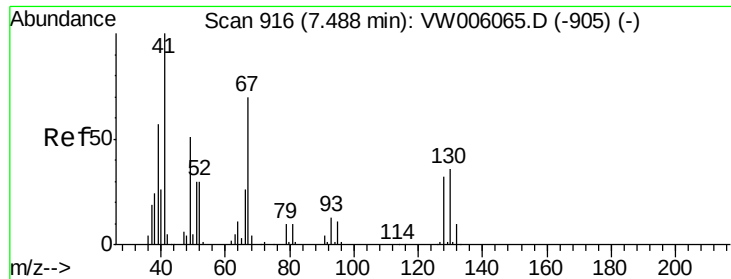
apatel
10/18/2018 4:39:45 PM



#40
Benzene
Concen: 52.555 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	557640		
77	23.3		19.4	29.0





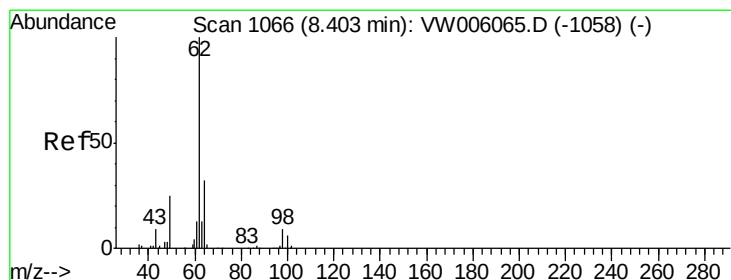
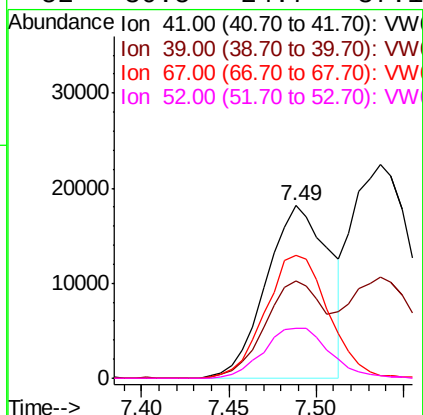
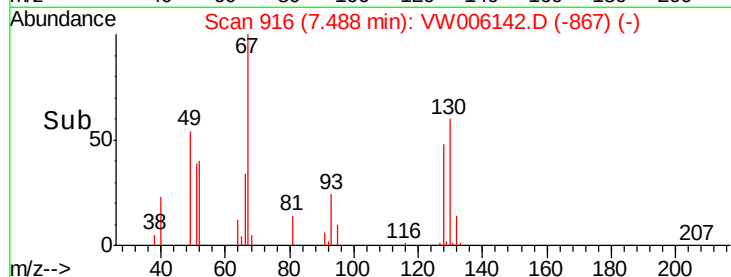
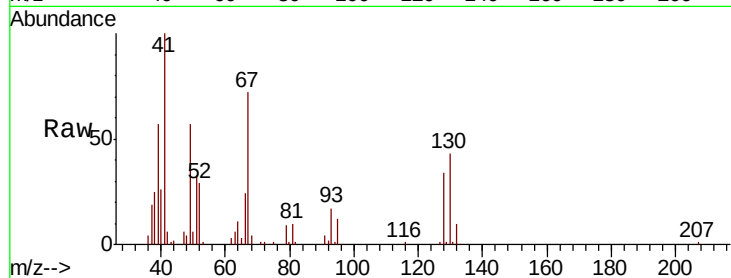
#41
Methacrylonitrile
Concen: 52.925 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	45853
Ion	Ratio	Lower	Upper
41	100		
39	50.9	46.2	69.4
67	71.6	57.7	86.5
52	30.5	24.7	37.1

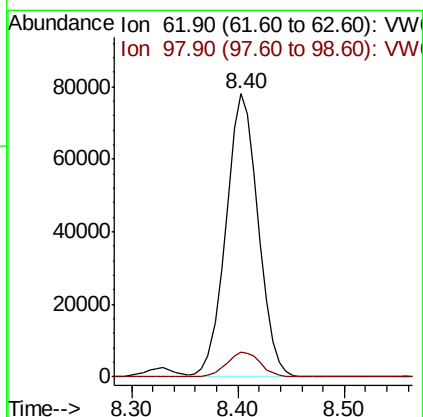
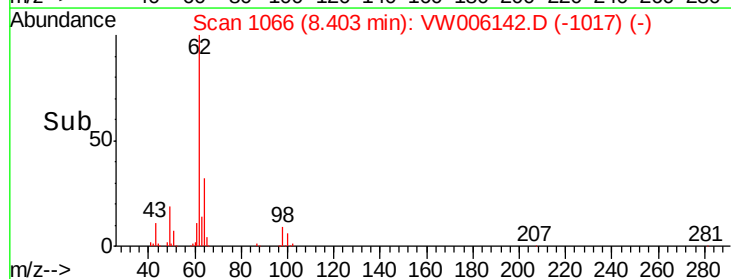
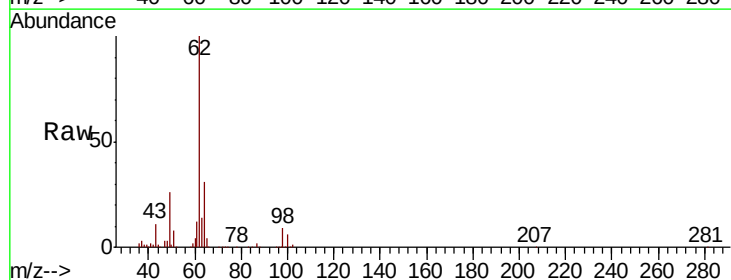
Manual Integrations
APPROVED

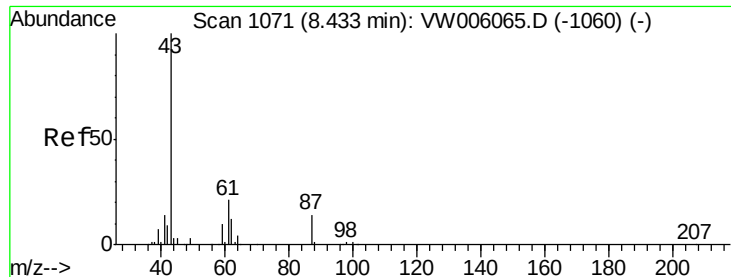
apatel
10/18/2018 4:39:45 PM



#42
1,2-Dichloroethane
Concen: 53.080 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Tgt Ion	62	Resp	165472
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.4





#43

Isopropyl Acetate

Concen: 49.023 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

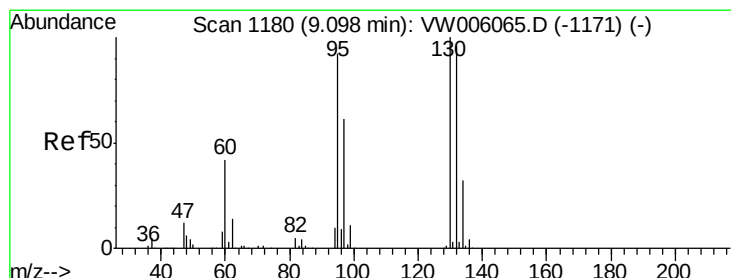
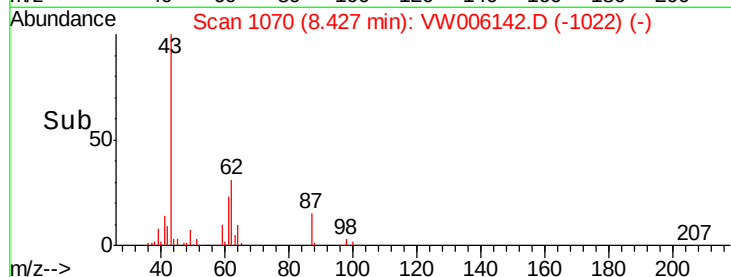
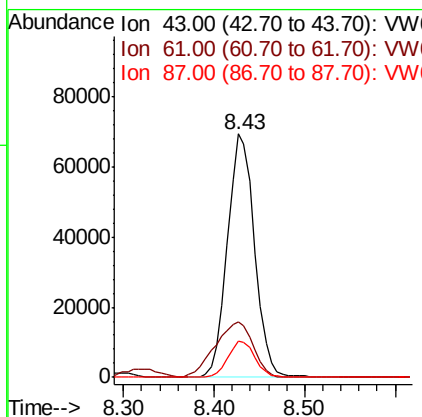
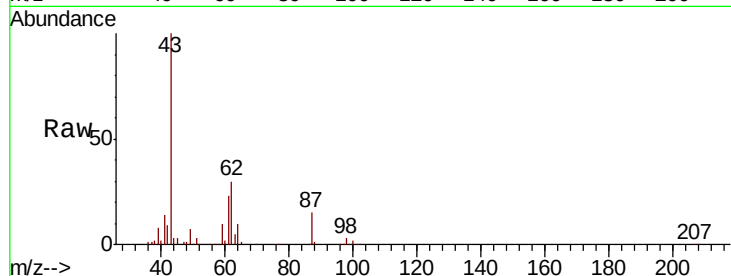
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	144054
Ion	Ratio	Lower	Upper
43	100		
61	31.9	25.5	38.3
87	14.9	11.7	17.5

Manual Integrations
APPROVED

apatel
10/18/2018 4:39:45 PM



#44

Trichloroethene

Concen: 52.810 ug/l

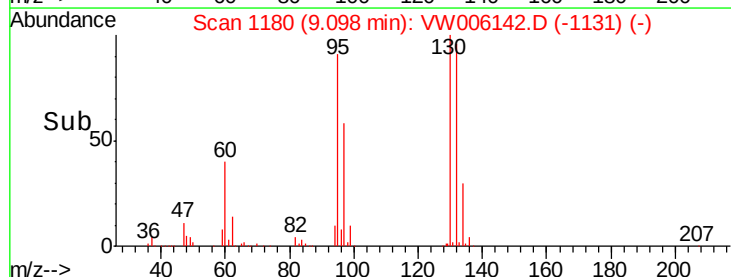
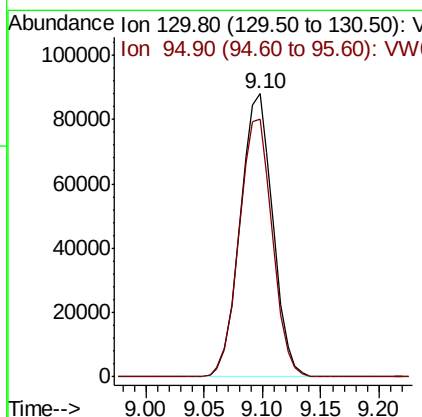
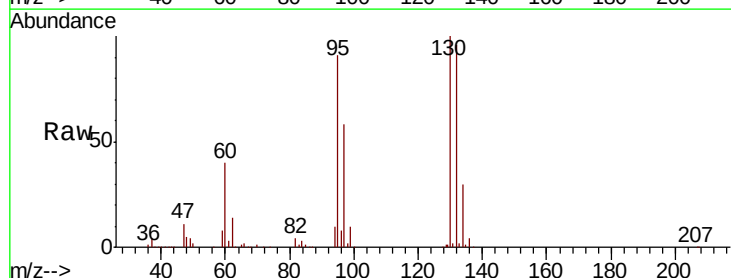
RT: 9.10 min Scan# 1180

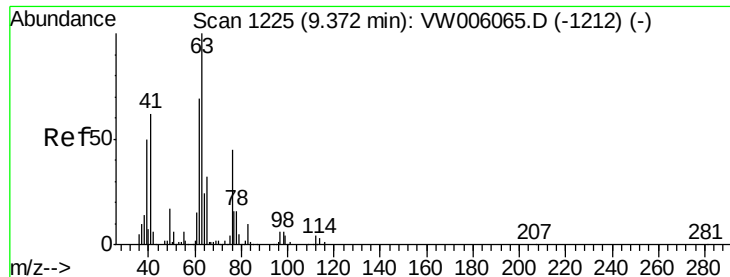
Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Tgt Ion:	130	Resp:	171914
Ion	Ratio	Lower	Upper
130	100		
95	90.9	0.0	183.2





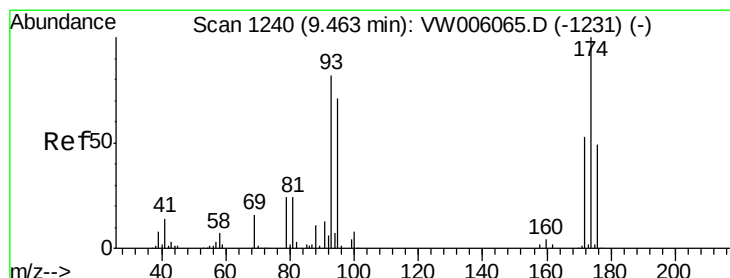
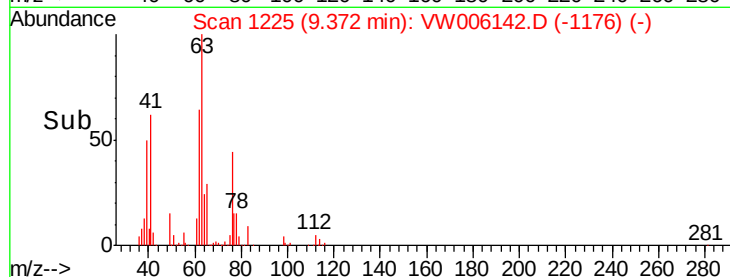
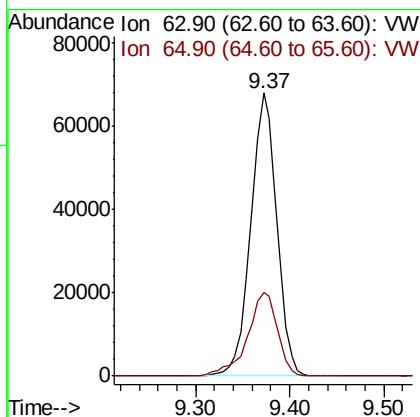
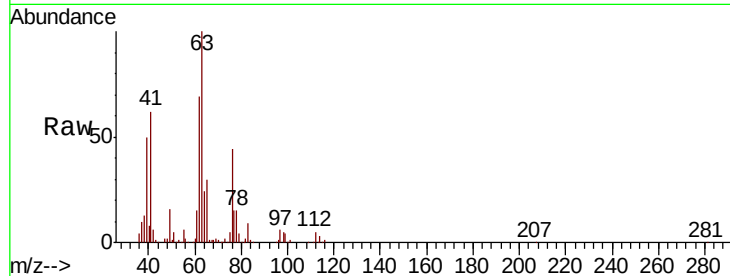
#45
 1,2-Dichloropropane
 Concen: 52.199 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	63	Resp	132536
Ion	Ratio	Lower	Upper
63	100		
65	29.7	25.4	38.0

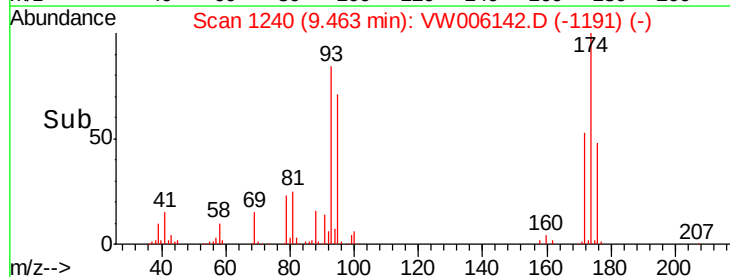
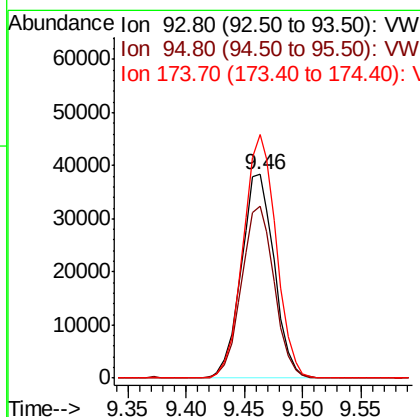
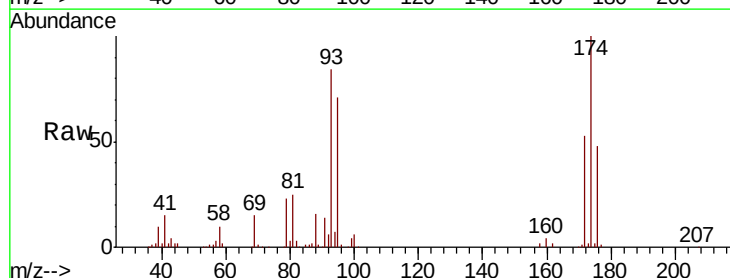
Manual Integrations
 APPROVED

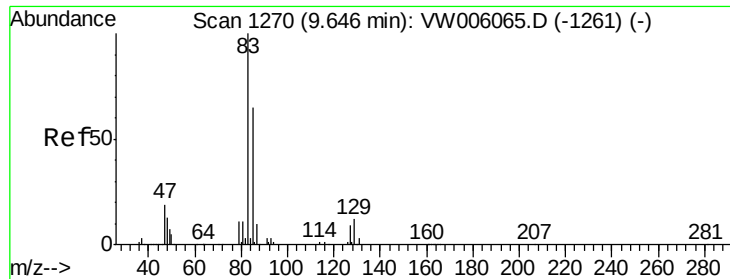
apatel
 10/18/2018 4:39:45 PM



#46
 Dibromomethane
 Concen: 52.201 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Tgt Ion	93	Resp	75542
Ion	Ratio	Lower	Upper
93	100		
95	84.1	67.7	101.5
174	119.3	93.7	140.5





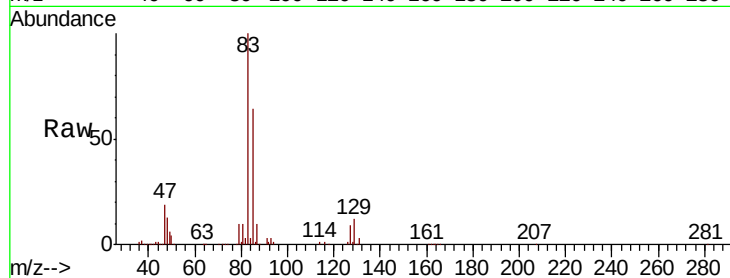
#47
Bromodichloromethane
Concen: 52.772 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

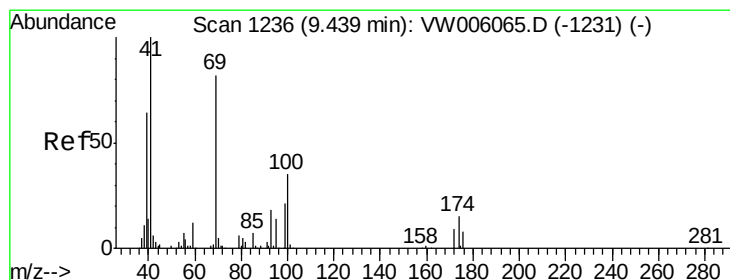
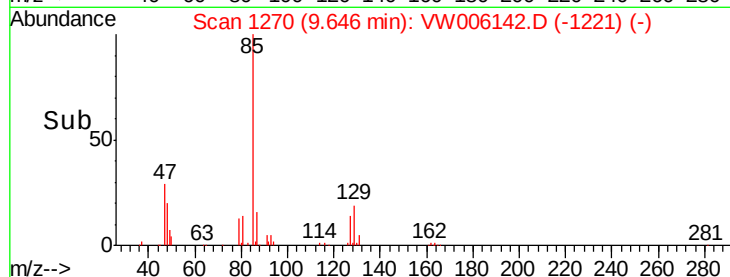
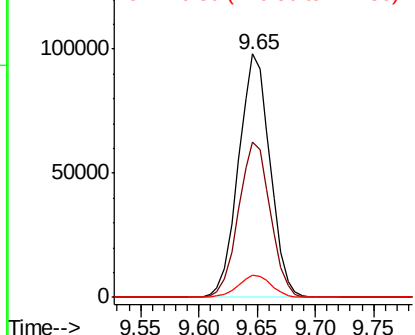
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.7	51.8	77.8	
127	9.1	6.9	10.3	

Manual Integrations
APPROVED

apatel
10/18/2018 4:39:45 PM

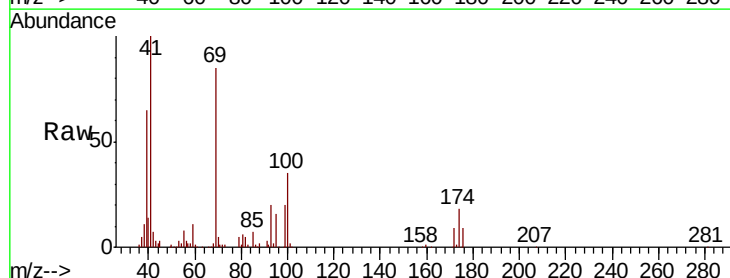


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V

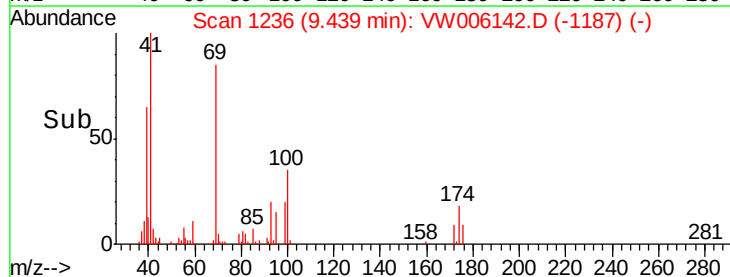
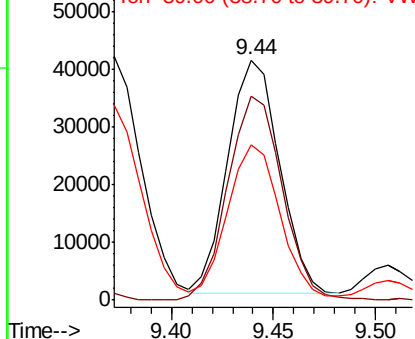


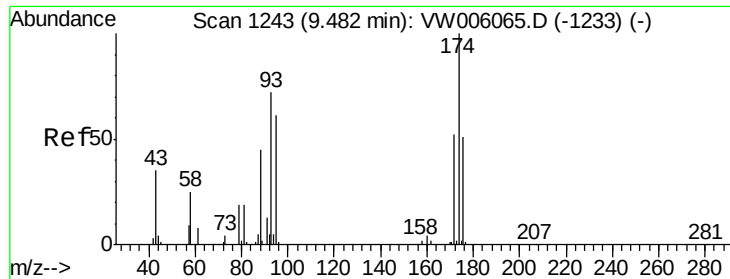
#48
Methyl methacrylate
Concen: 51.144 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	92.4	71.8	107.8	
39	64.8	52.5	78.7	



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





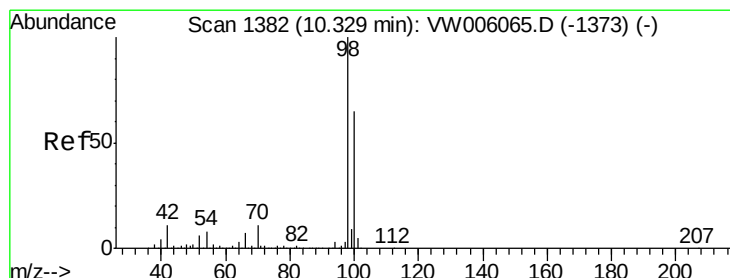
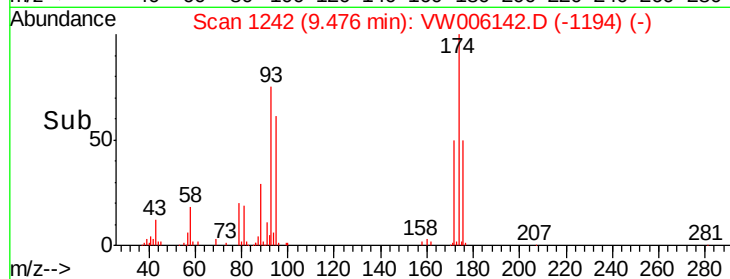
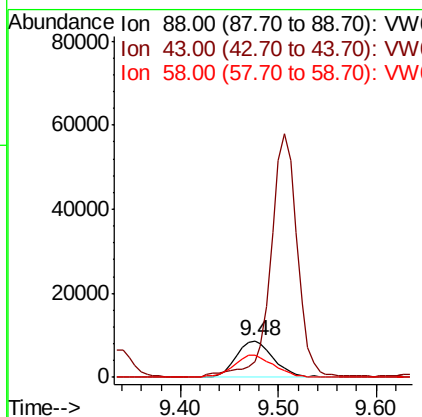
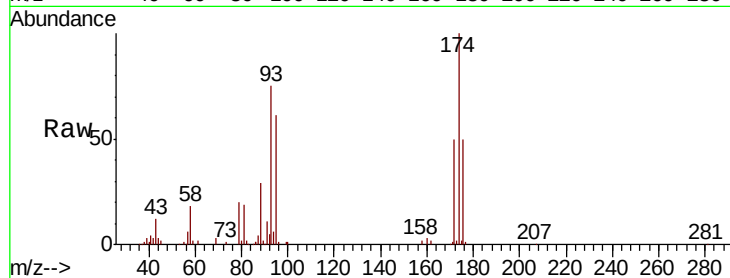
#49
1,4-Dioxane
Concen: 1028.184 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	22906
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	65.7	51.2	76.8

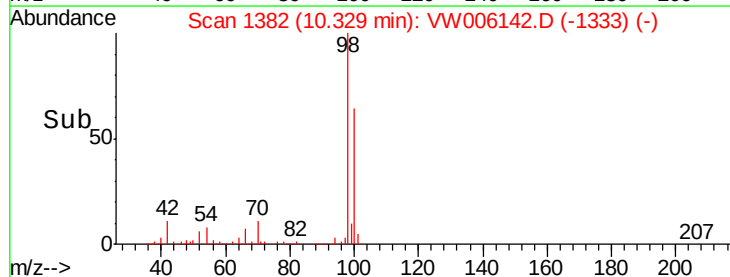
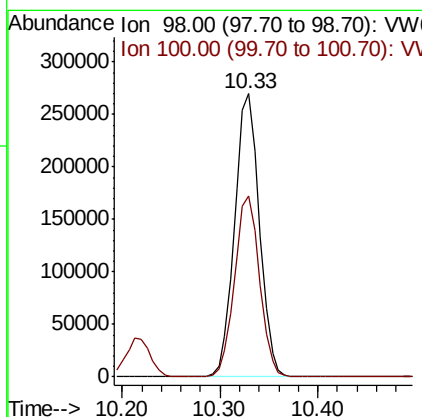
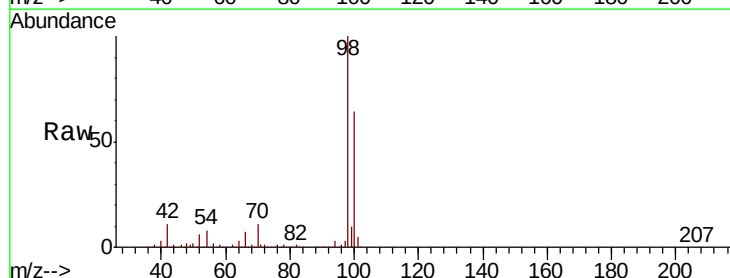
Manual Integrations
APPROVED

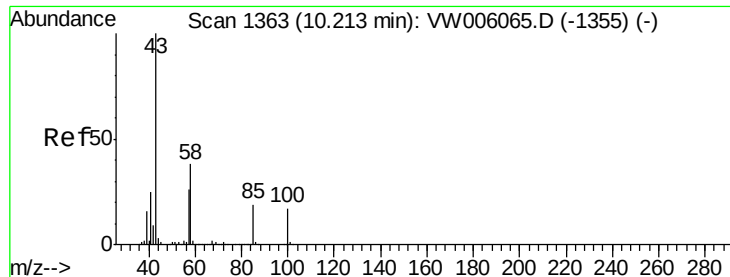
apatel
10/18/2018 4:39:45 PM



#50
Toluene-d8
Concen: 50.214 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Tgt Ion	98	Resp	473737
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4





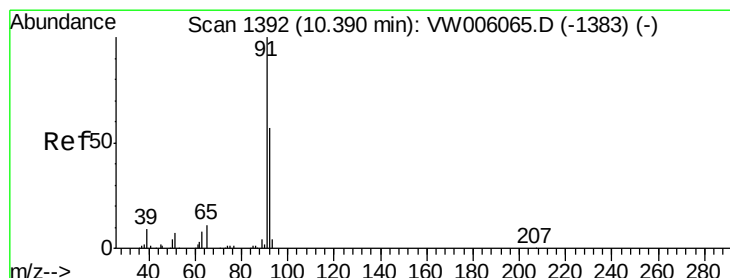
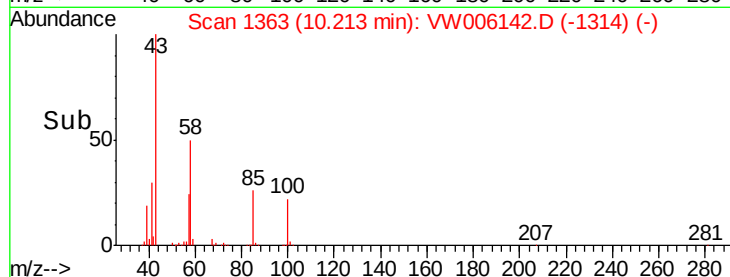
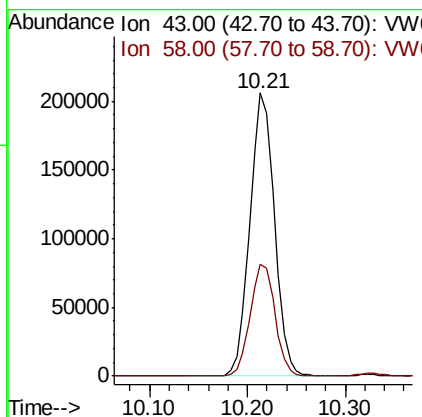
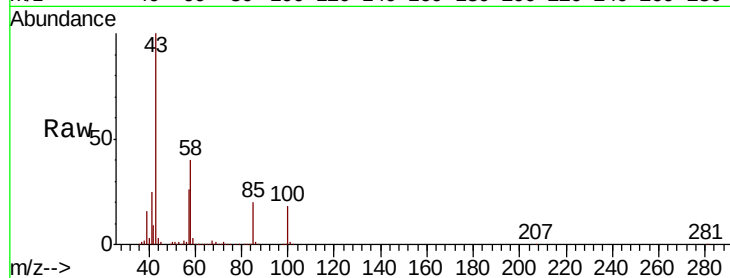
#51
 4-Methyl-2-Pentanone
 Concen: 244.494 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	40.0		31.5	47.3	

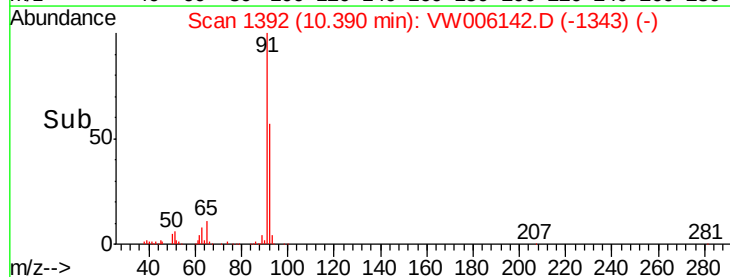
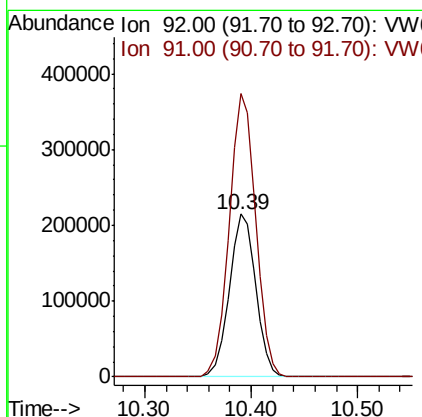
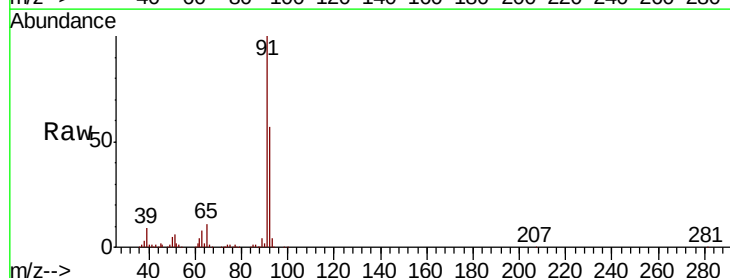
Manual Integrations
 APPROVED

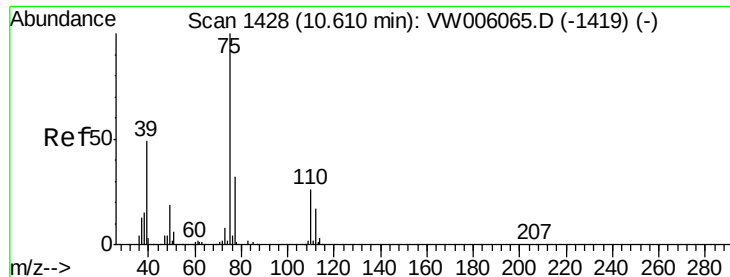
apatel
 10/18/2018 4:39:45 PM



#52
 Toluene
 Concen: 52.417 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Tgt Ion	92	91	Ratio	Lower	Upper
92	100				
91	174.4		140.0	210.0	





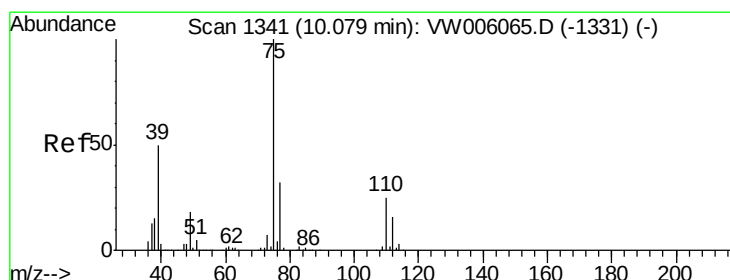
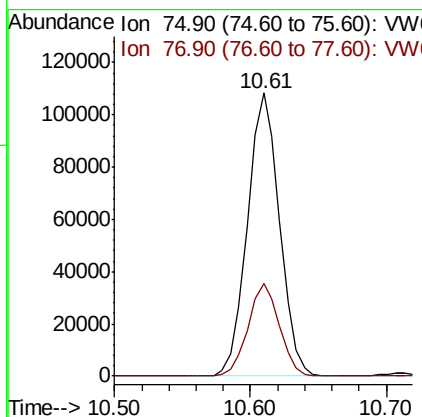
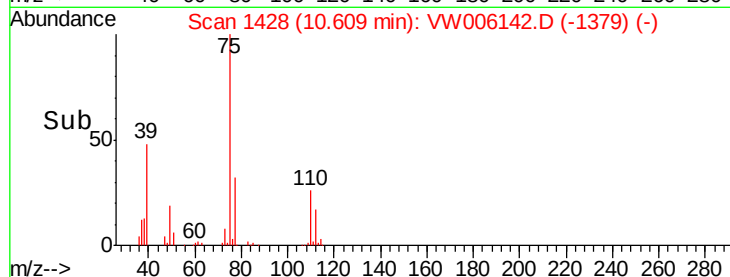
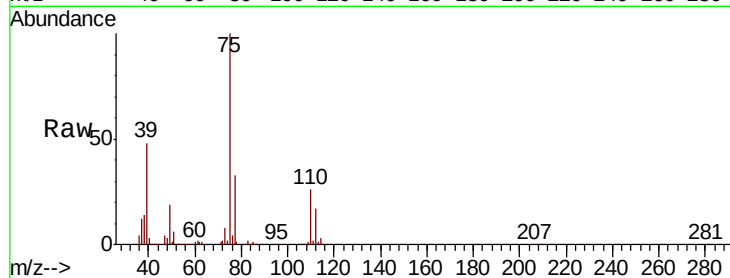
#53
t-1,3-Dichloropropene
Concen: 51.242 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	75	Resp	179121
Ion Ratio	Lower	Upper	
75	100		
77	32.5	25.4	38.2

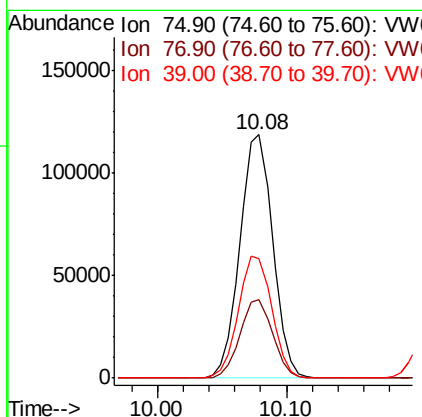
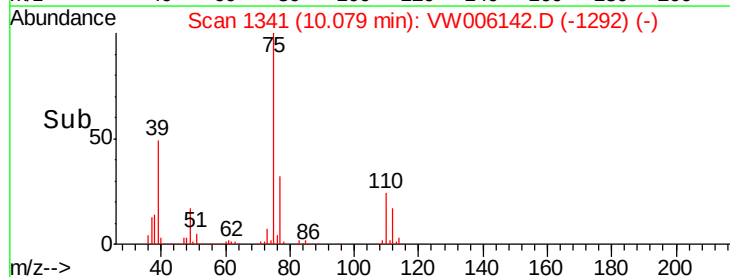
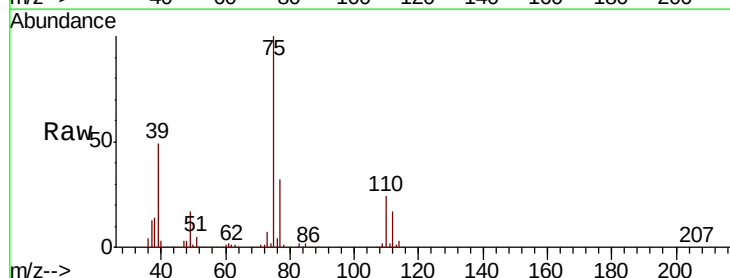
Manual Integrations
APPROVED

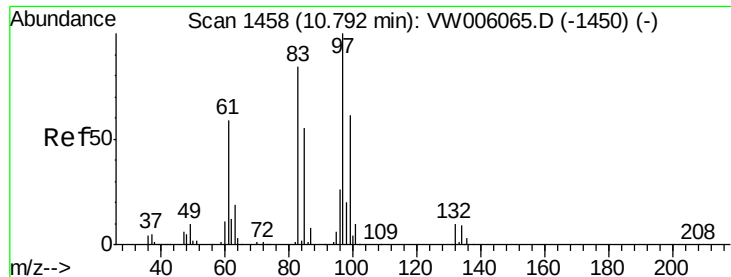
apatel
10/18/2018 4:39:45 PM



#54
cis-1,3-Dichloropropene
Concen: 52.268 ug/l
RT: 10.08 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Tgt Ion	75	Resp	209692
Ion Ratio	Lower	Upper	
75	100		
77	32.3	25.2	37.8
39	49.1	39.9	59.9





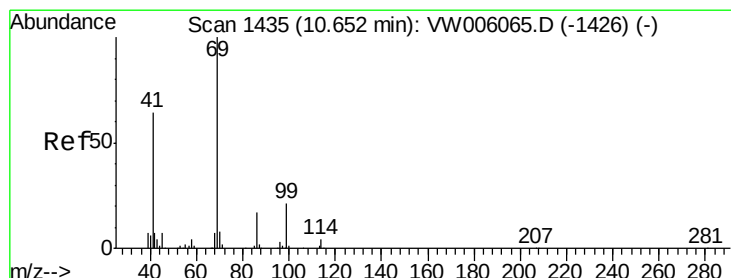
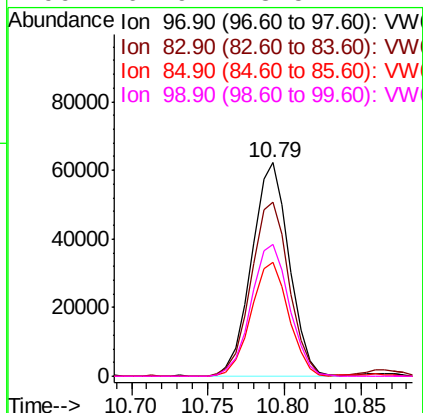
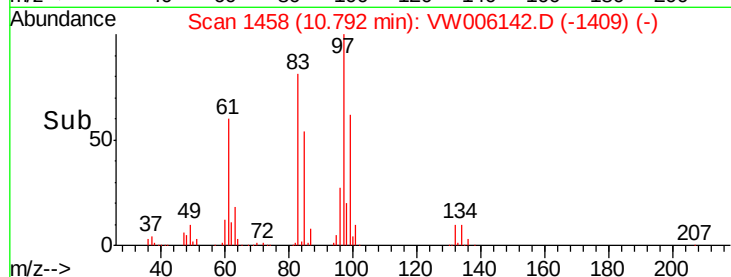
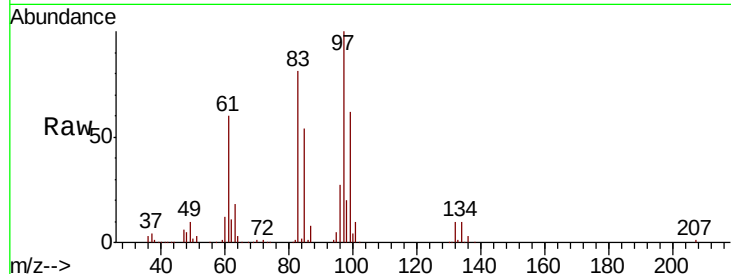
#55
 1,1,2-Trichloroethane
 Concen: 52.464 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	106245
Ion	Ratio	Lower	Upper
97	100		
83	81.4	67.2	100.8
85	53.6	43.7	65.5
99	61.9	48.5	72.7

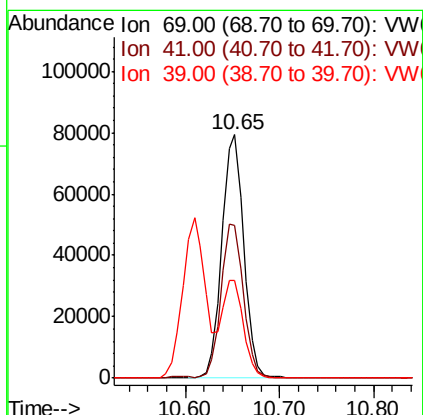
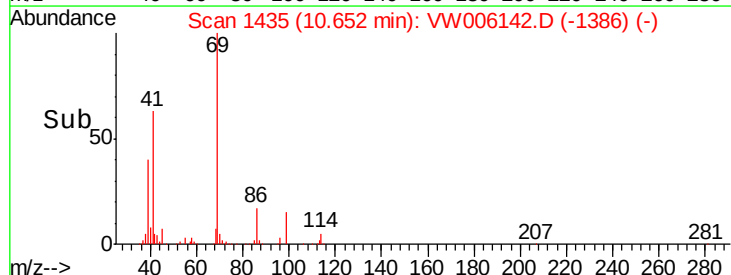
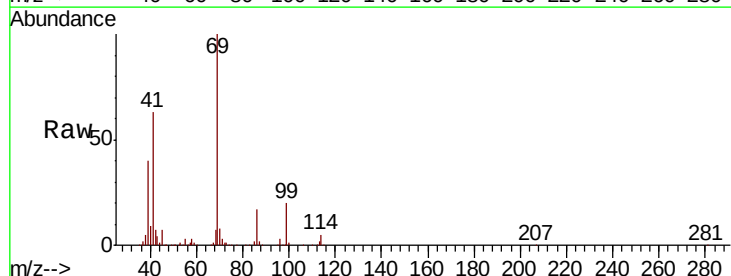
Manual Integrations
 APPROVED

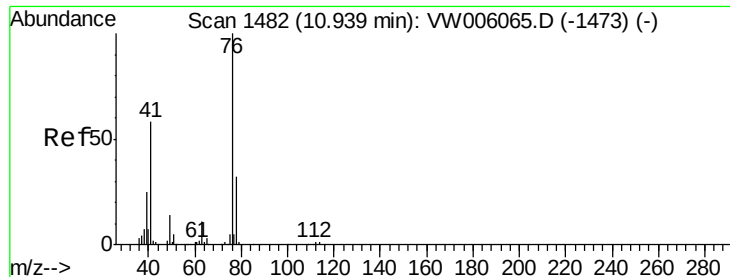
apatel
 10/18/2018 4:39:45 PM



#56
 Ethyl methacrylate
 Concen: 51.747 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Tgt Ion:	69	Resp:	128468
Ion	Ratio	Lower	Upper
69	100		
41	64.0	52.8	79.2
39	36.1	30.6	45.8





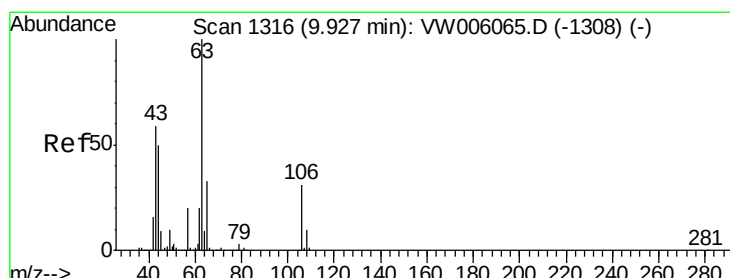
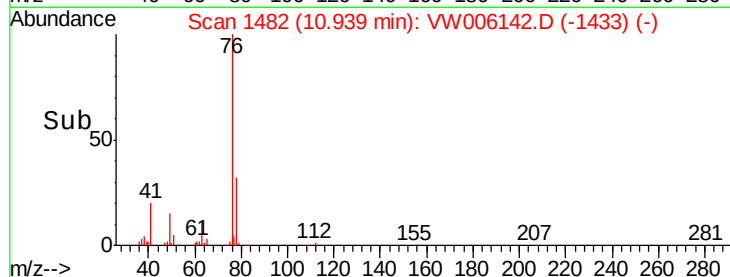
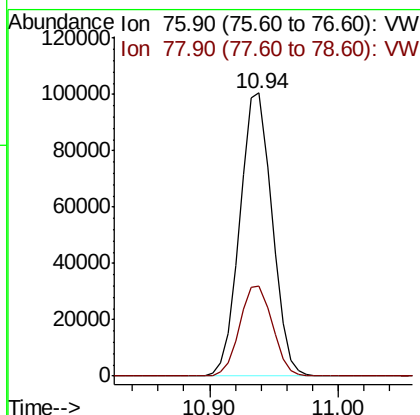
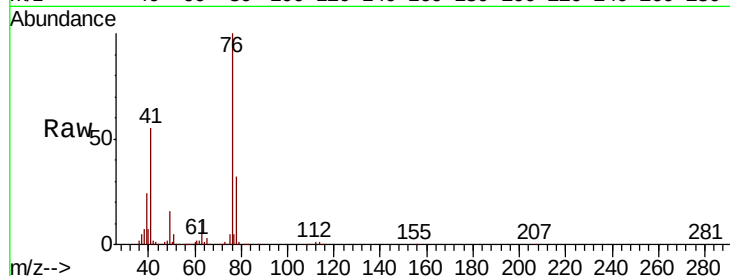
#57
 1,3-Dichloropropane
 Concen: 51.950 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 174156
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.9 38.9

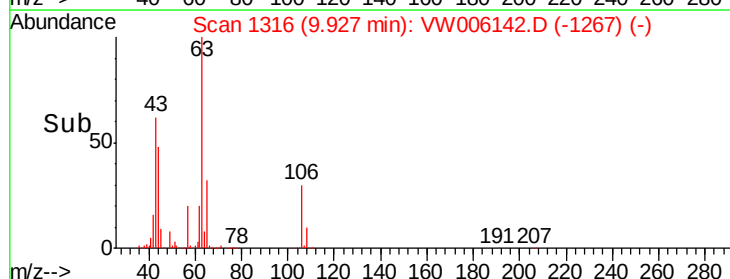
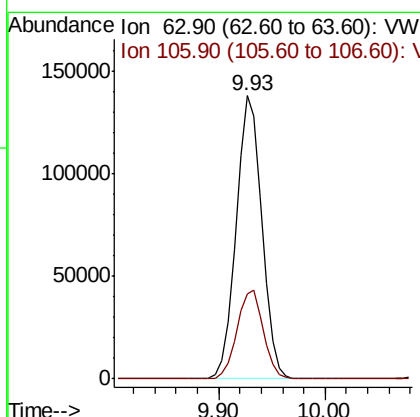
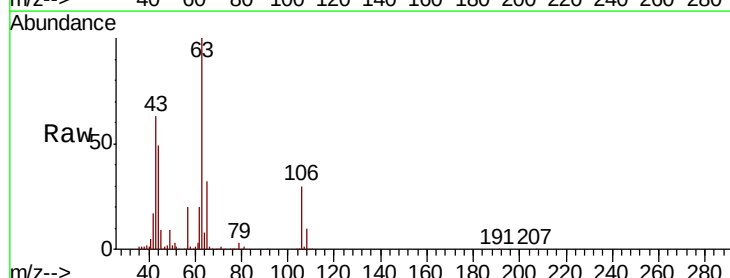
Manual Integrations
 APPROVED

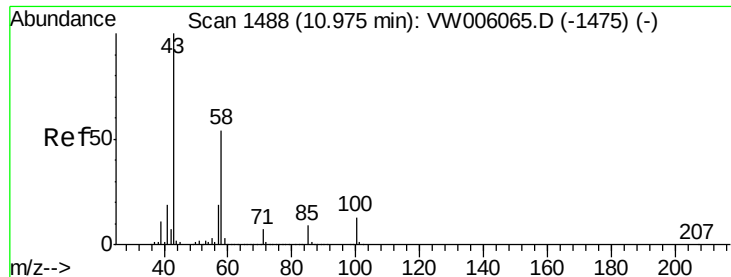
apatel
 10/18/2018 4:39:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 246.991 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Tgt Ion: 63 Resp: 234304
 Ion Ratio Lower Upper
 63 100
 106 31.8 24.5 36.7





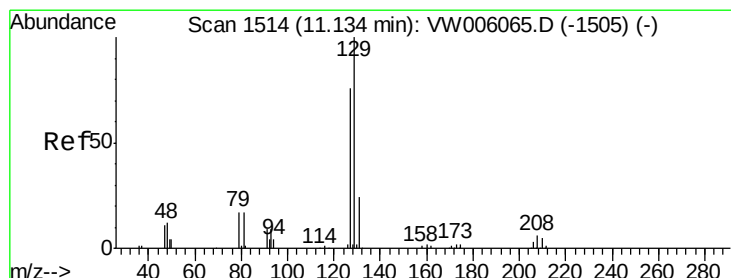
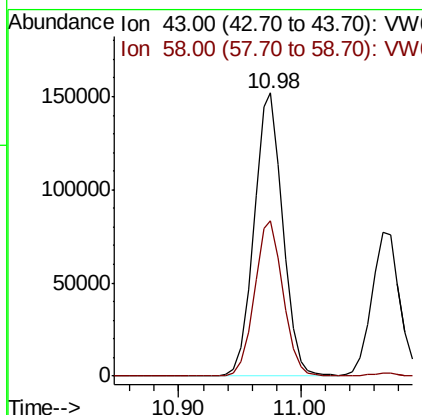
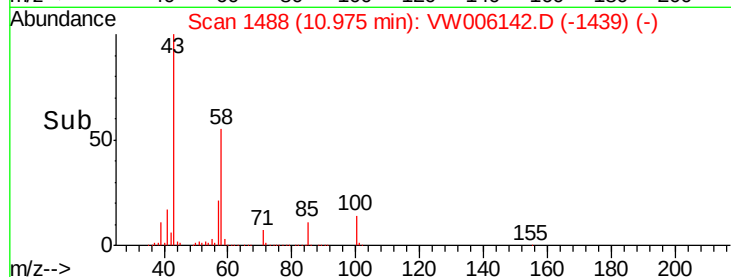
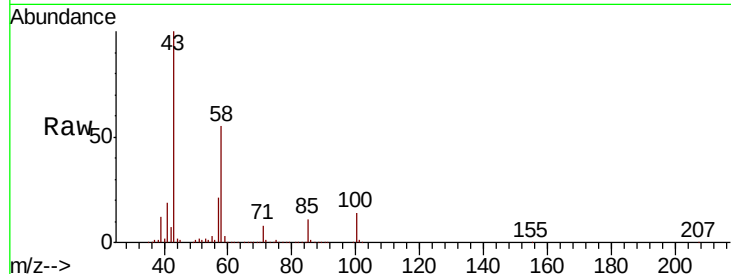
#59
2-Hexanone
Concen: 235.820 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 247841
Ion Ratio Lower Upper
43 100
58 54.7 26.9 80.6

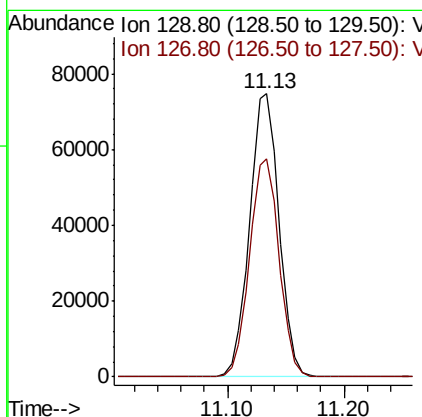
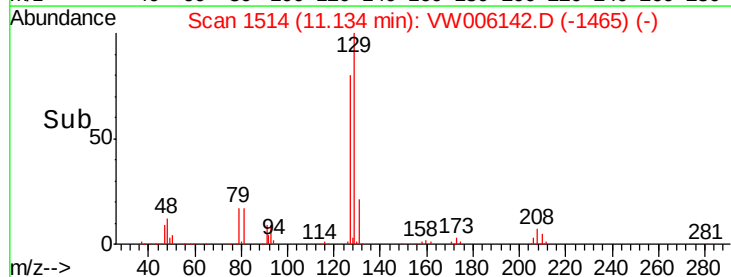
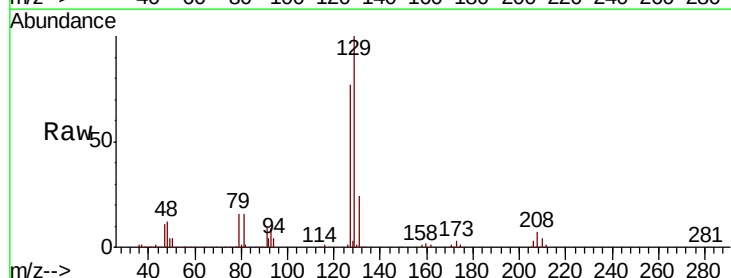
Manual Integrations
APPROVED

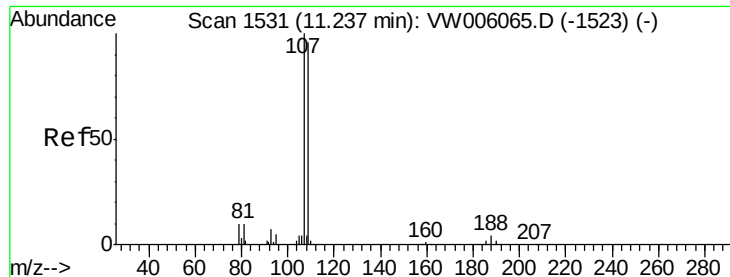
apatel
10/18/2018 4:39:45 PM



#60
Dibromochloromethane
Concen: 52.438 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Tgt Ion: 129 Resp: 132274
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.7





#61

1,2-Dibromoethane

Concen: 52.576 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 106384

Ion Ratio Lower Upper

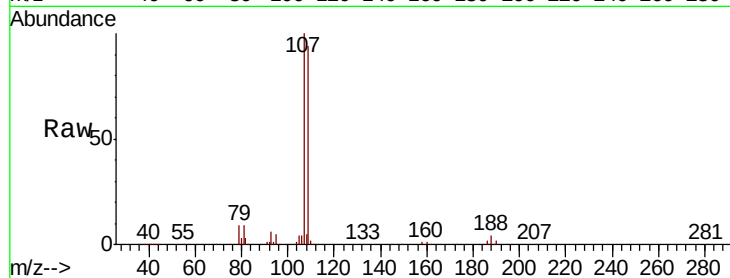
107 100

109 95.1 76.3 114.5

Manual Integrations
APPROVED

apatel

10/18/2018 4:39:45 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

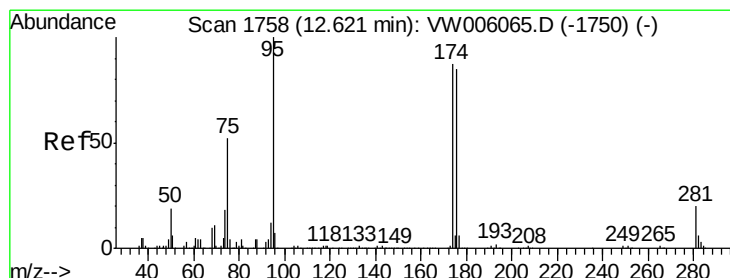
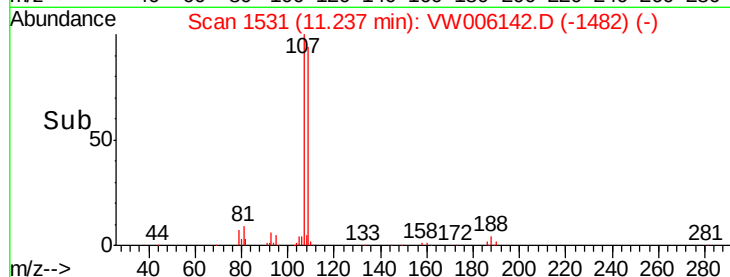
60000

40000

20000

0

Time--> 11.20 11.30



#62

4-Bromofluorobenzene

Concen: 51.504 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

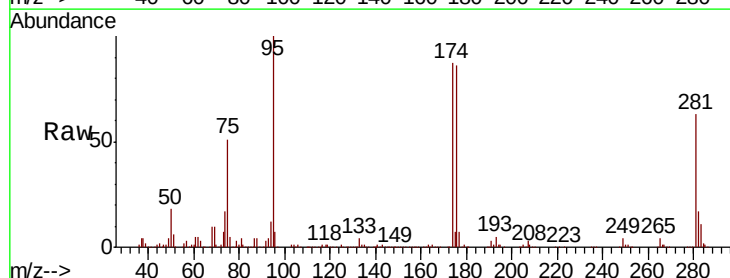
Tgt Ion: 95 Resp: 182502

Ion Ratio Lower Upper

95 100

174 92.7 0.0 186.0

176 91.8 0.0 181.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

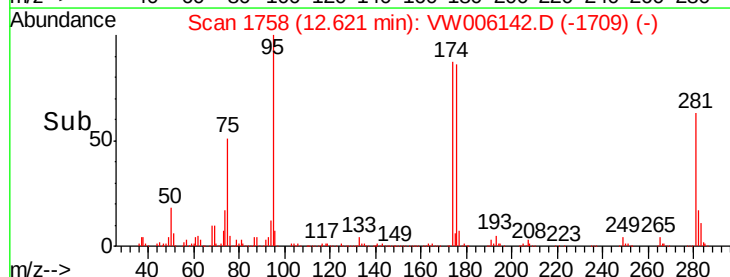
150000

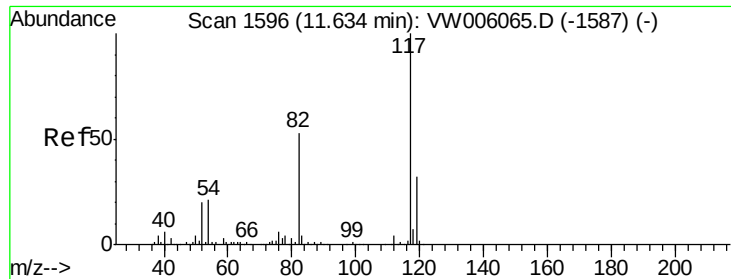
100000

50000

0

Time--> 12.55 12.60 12.65 12.70





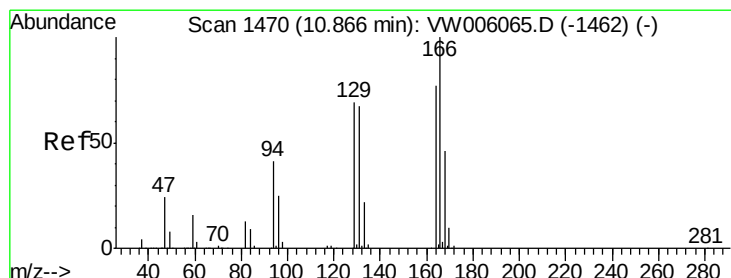
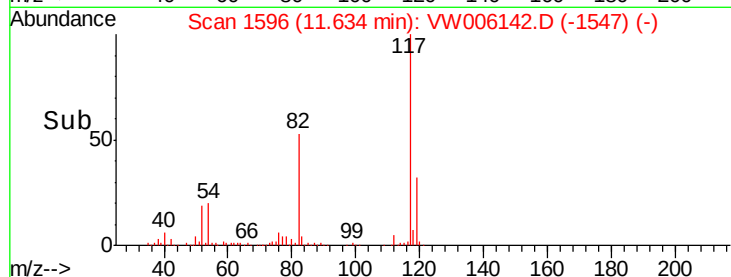
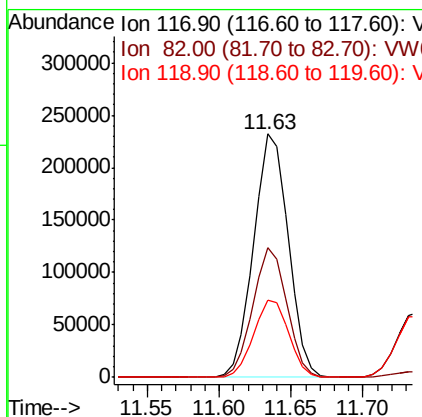
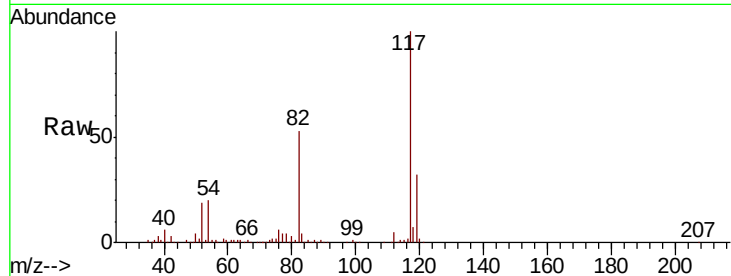
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.1	63.1
119	31.6	25.8	38.6

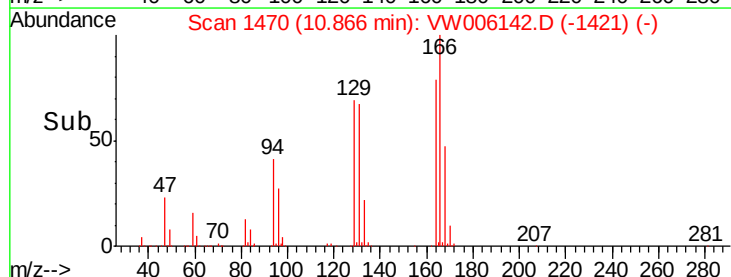
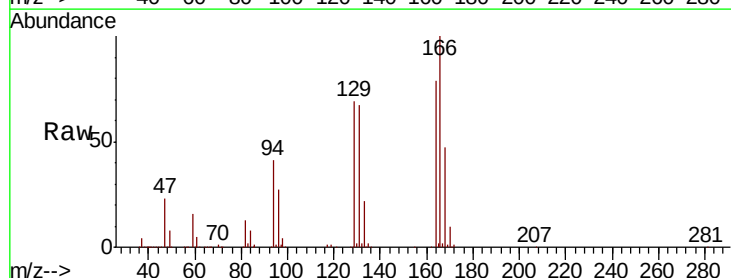
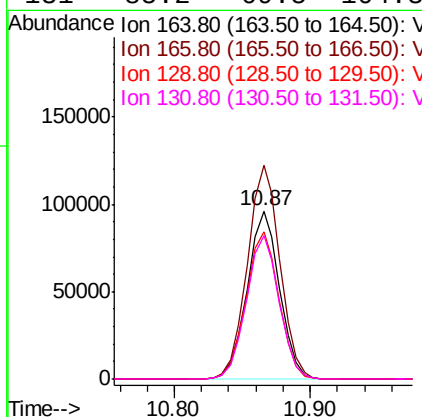
Manual Integrations
APPROVED

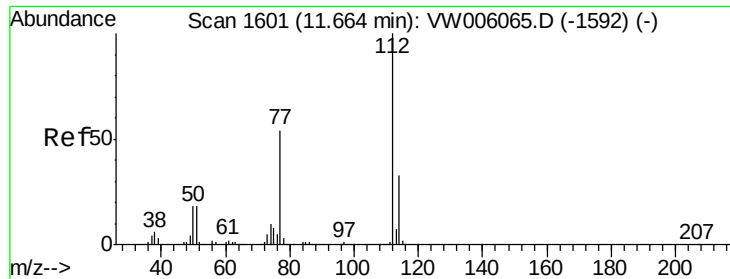
apatel
10/18/2018 4:39:45 PM



#64
Tetrachloroethene
Concen: 53.364 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	103.4	155.0
129	87.8	71.8	107.8
131	85.2	69.5	104.3





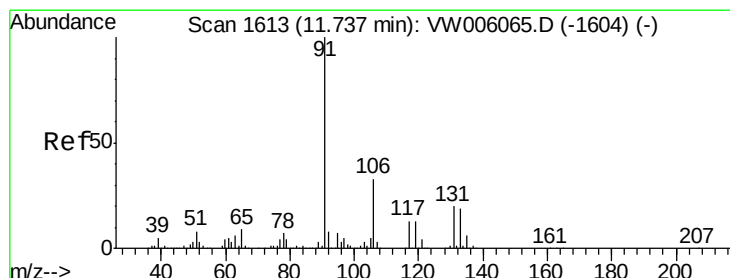
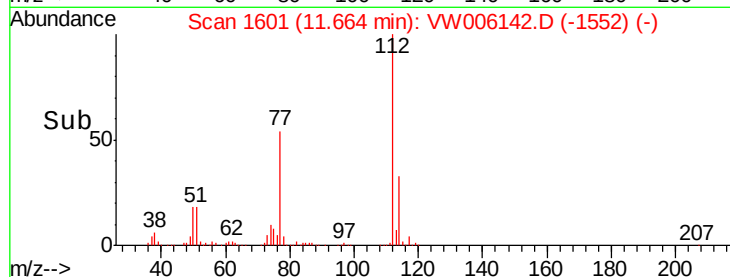
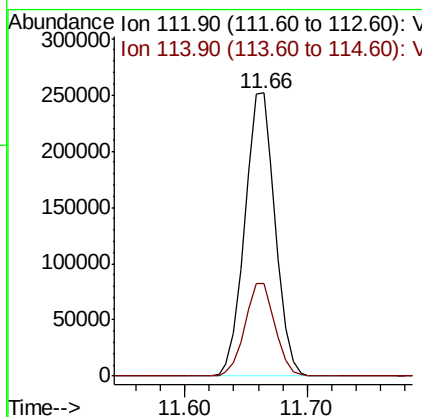
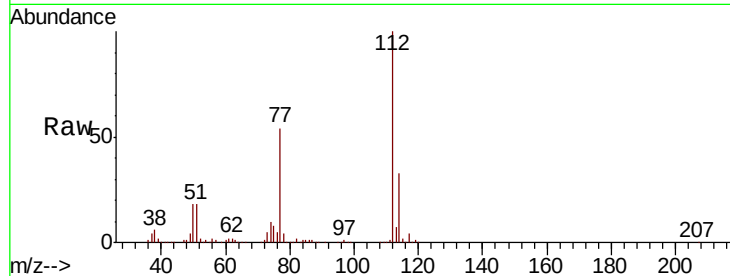
#65
Chlorobenzene
Concen: 52.449 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	26.2	39.2

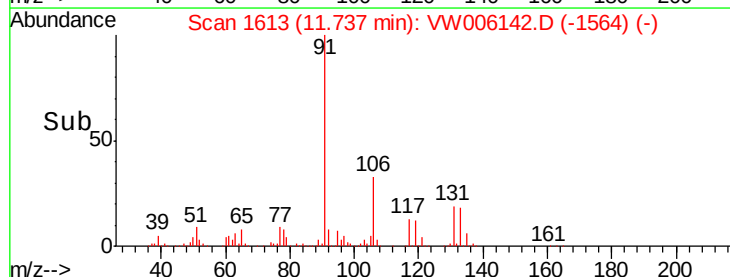
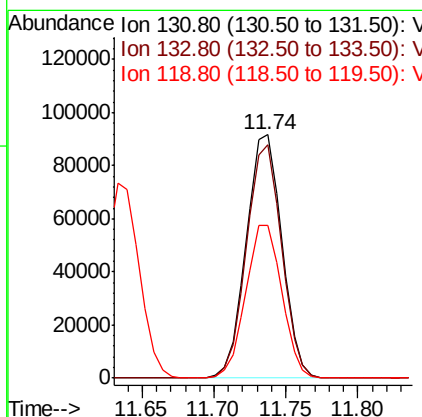
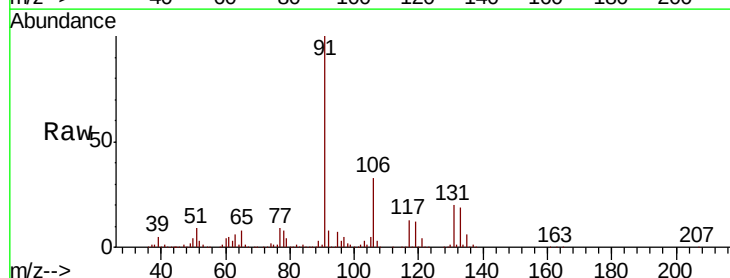
Manual Integrations
APPROVED

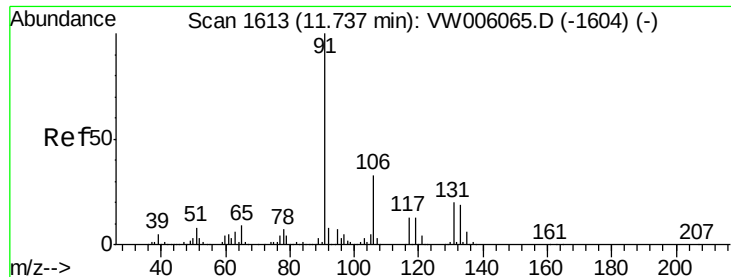
apatel
10/18/2018 4:39:45 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.447 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	48.1	144.3
119	63.5	31.6	94.7





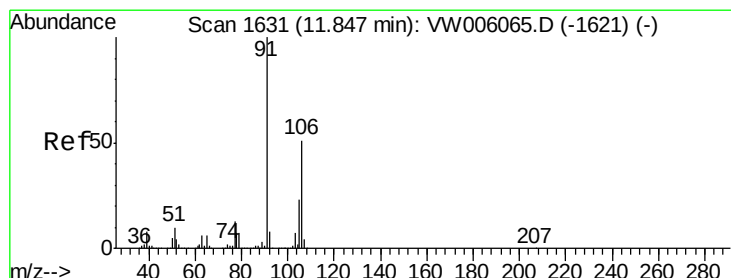
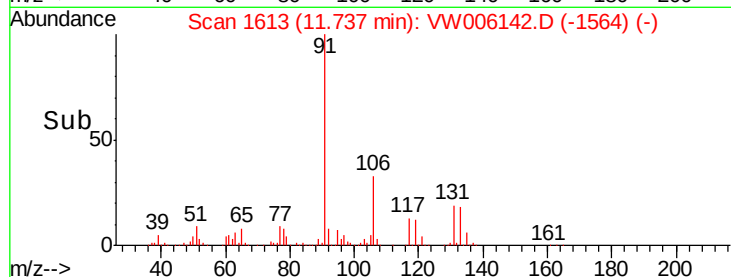
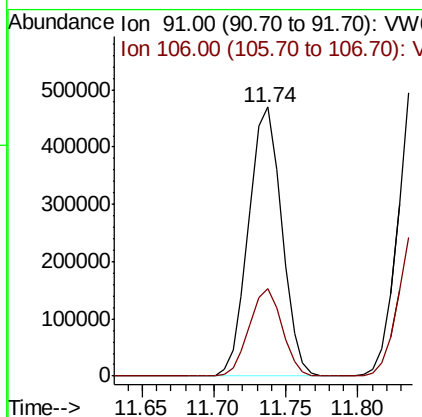
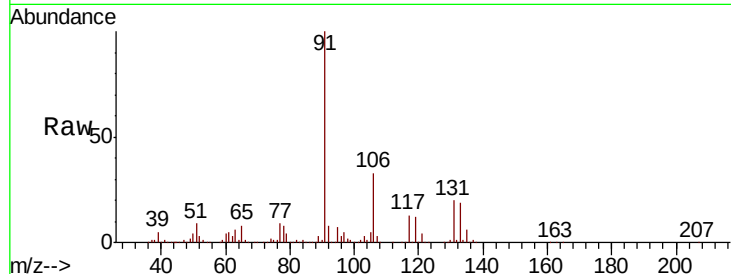
#67
Ethyl Benzene
Concen: 52.382 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 750295
Ion Ratio Lower Upper
91 100
106 32.6 26.1 39.1

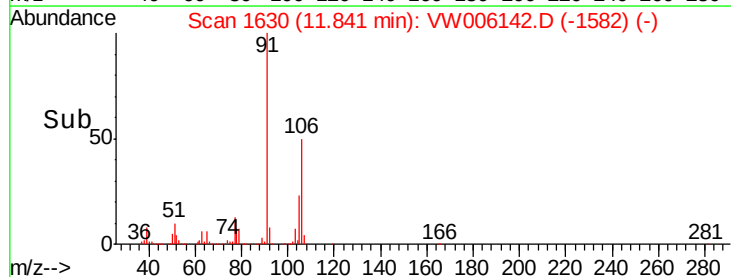
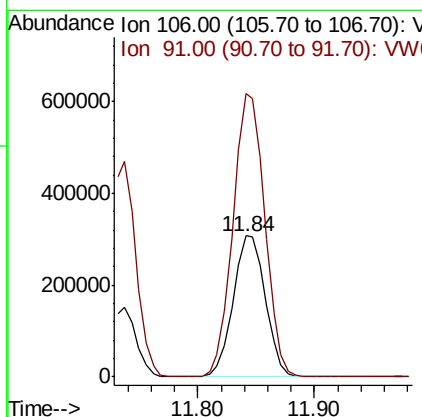
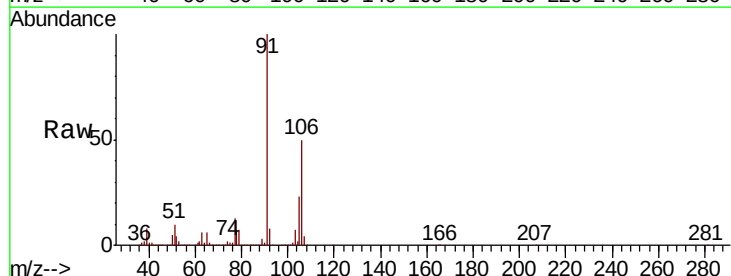
Manual Integrations
APPROVED

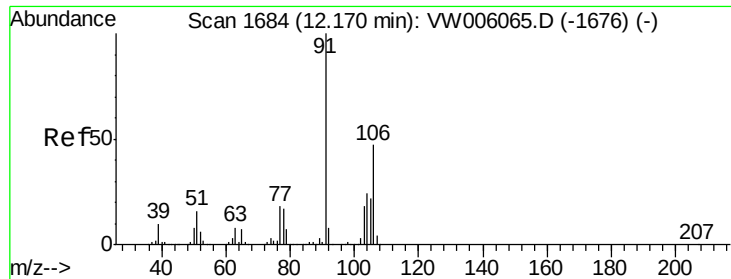
apatel
10/18/2018 4:39:45 PM



#68
m/p-Xylenes
Concen: 104.285 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Tgt Ion: 106 Resp: 590399
Ion Ratio Lower Upper
106 100
91 198.9 159.1 238.7





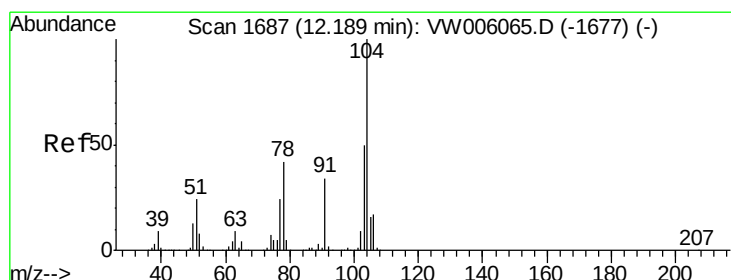
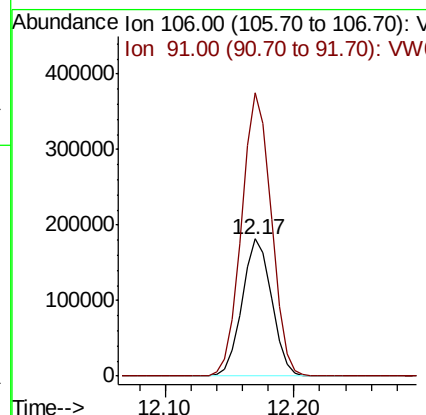
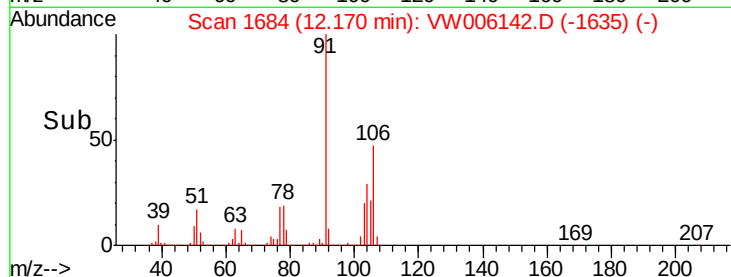
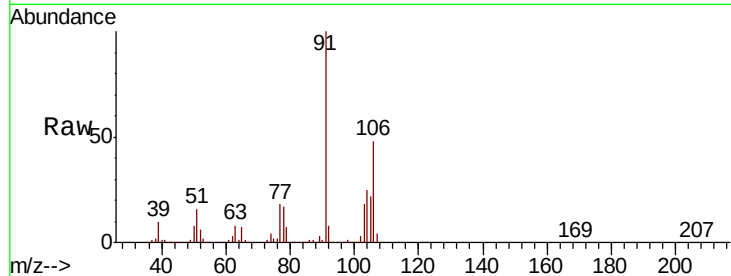
#69
o-Xylene
Concen: 53.401 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	288125		
91	207.3	105.4	316.1		

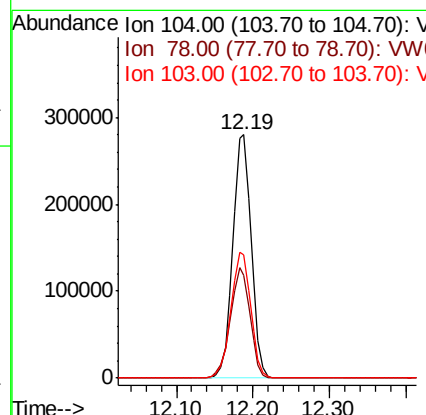
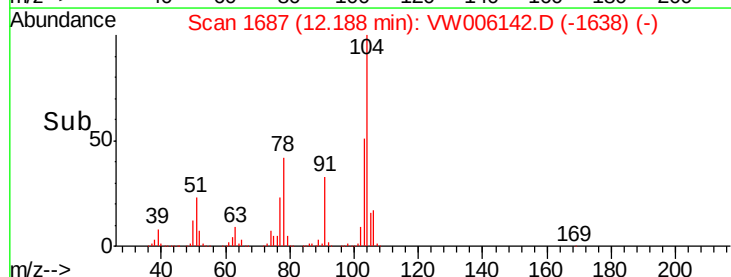
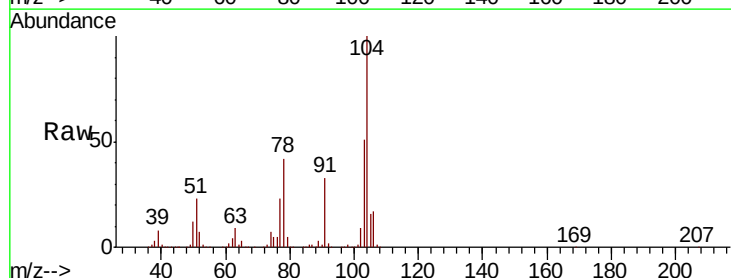
Manual Integrations
APPROVED

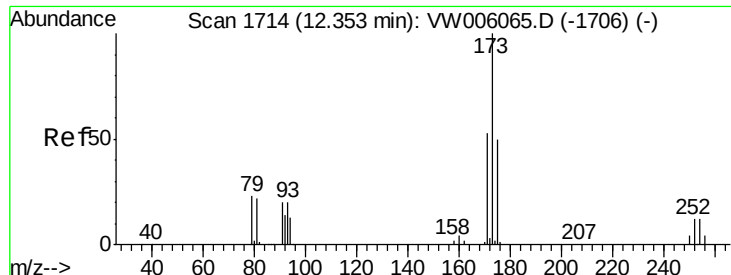
apatel
10/18/2018 4:39:45 PM



#70
Styrene
Concen: 53.036 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	465326		
78	48.5	39.1	58.7		
103	55.6	44.3	66.5		





#71

Bromoform

Concen: 50.037 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 81976

Ion Ratio Lower Upper

173 100

175 49.0 24.2 72.6

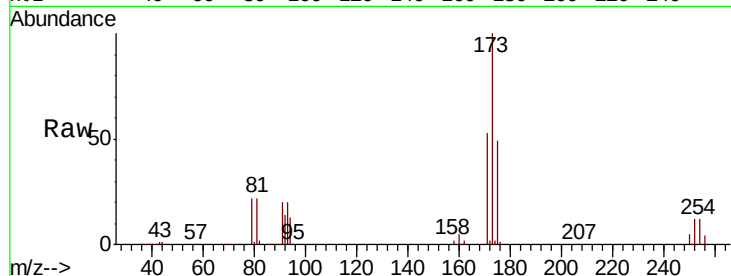
254 0.1 0.1 0.1

Manual Integrations

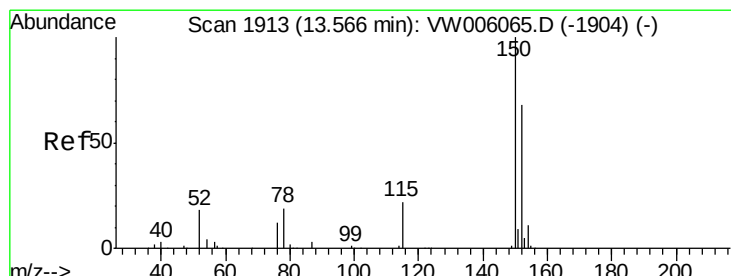
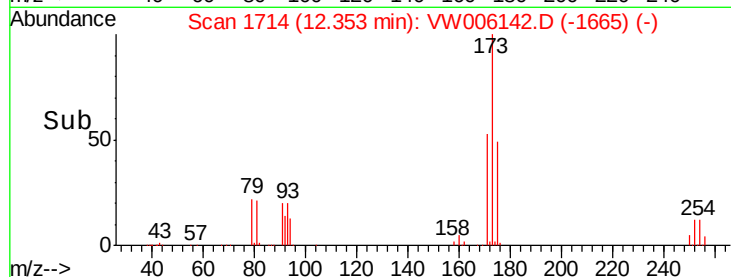
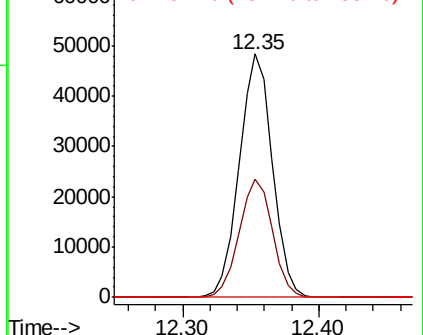
APPROVED

apatel

10/18/2018 4:39:45 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

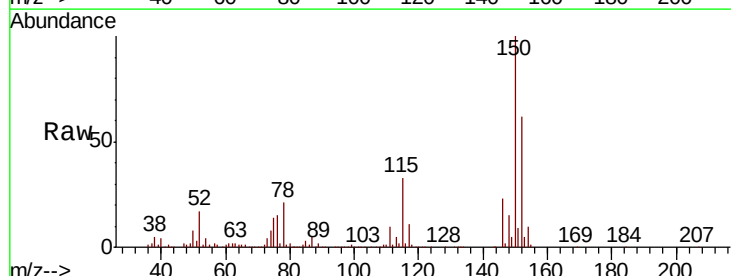
Tgt Ion:152 Resp: 215347

Ion Ratio Lower Upper

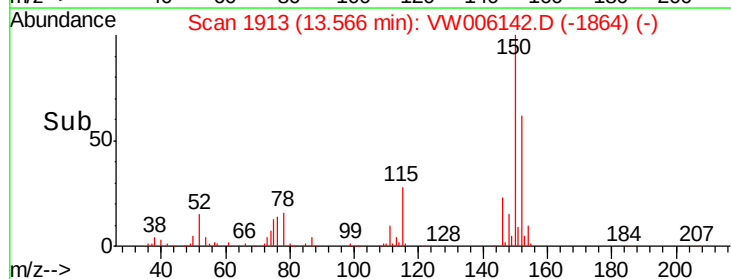
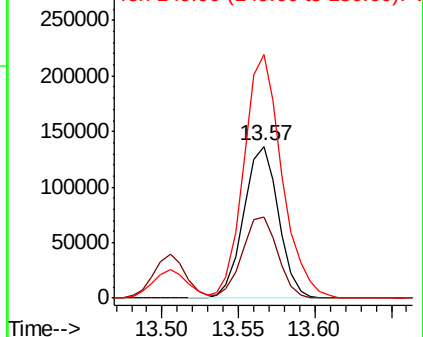
152 100

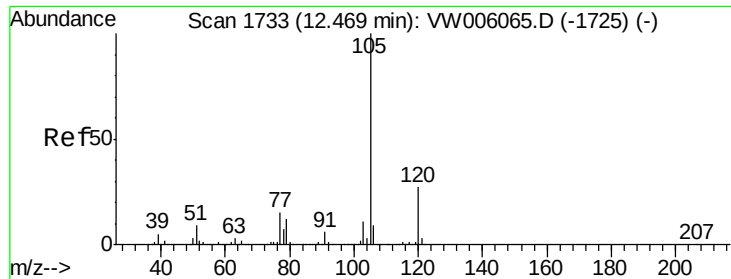
115 55.0 27.8 83.3

150 175.9 0.0 349.2



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





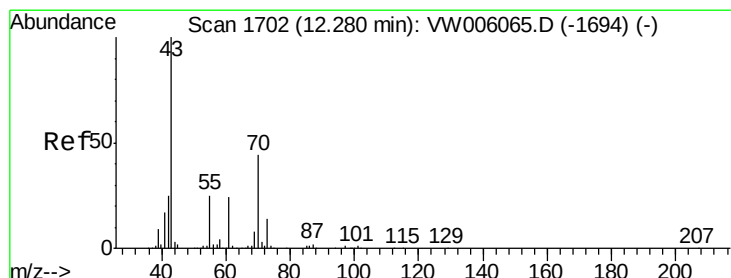
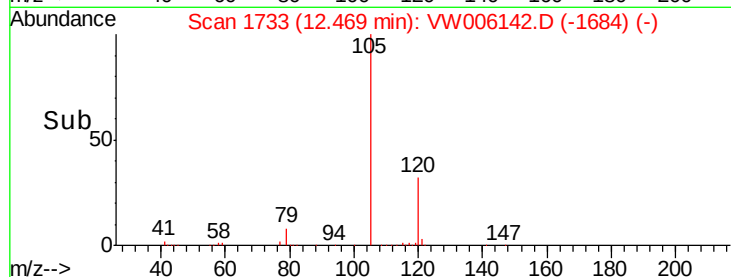
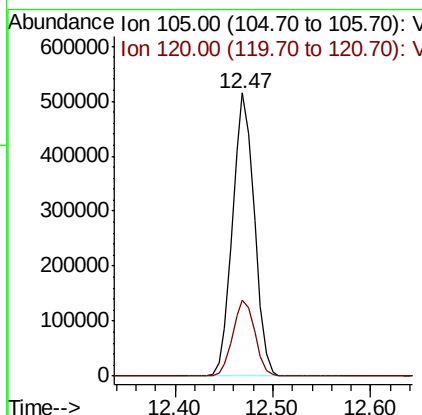
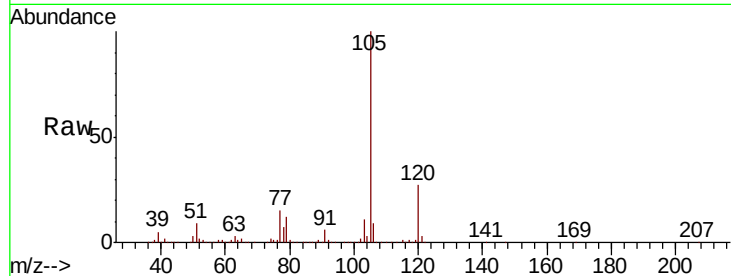
#73
Isopropylbenzene
Concen: 52.256 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.6	40.7

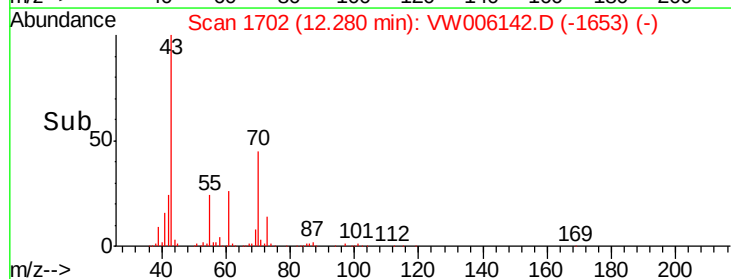
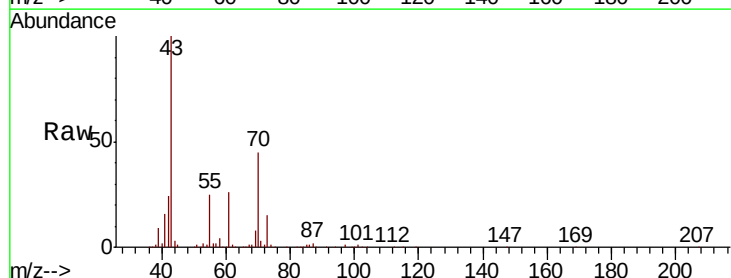
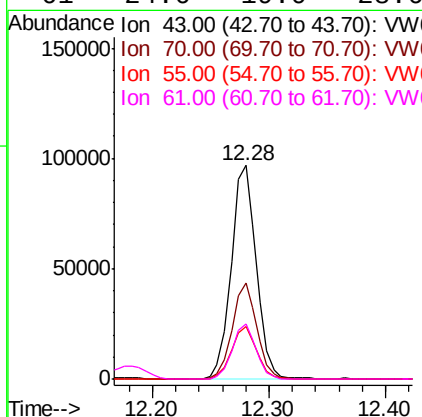
Manual Integrations
APPROVED

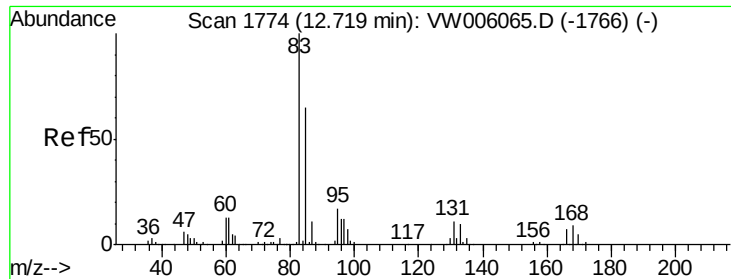
apatel
10/18/2018 4:39:45 PM



#74
N-ethyl acetate
Concen: 48.889 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.0	34.2	51.4
55	24.8	19.2	28.8
61	24.6	19.0	28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 51.543 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

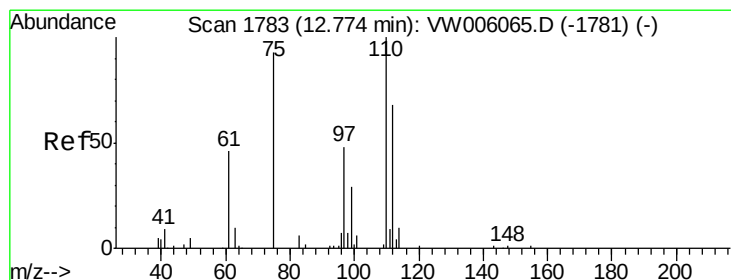
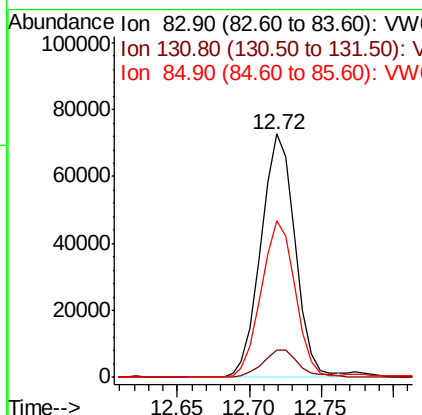
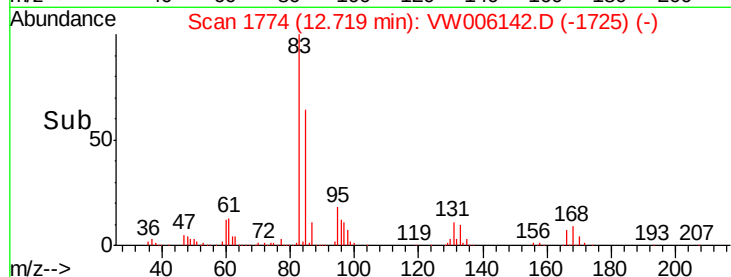
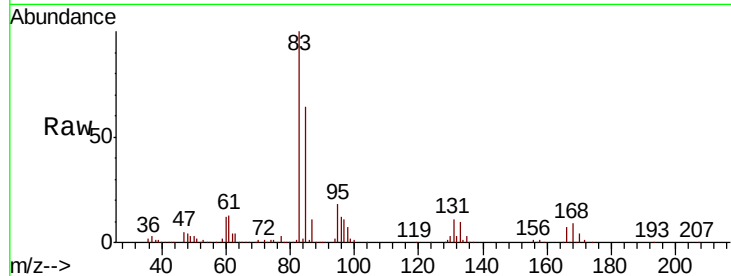
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	119266
Ion Ratio	Lower	Upper	
83	100		
131	12.2	5.9	17.7
85	64.2	31.9	95.9

Manual Integrations
APPROVED

apatel
10/18/2018 4:39:45 PM



#76

1,2,3-Trichloropropane

Concen: 59.130 ug/l m

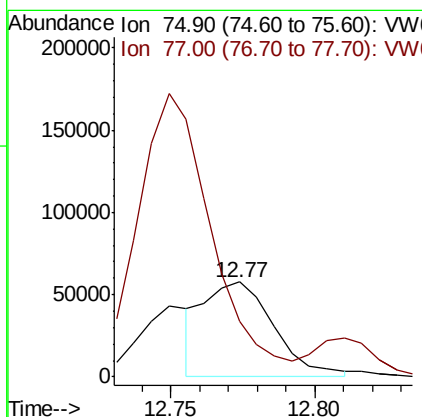
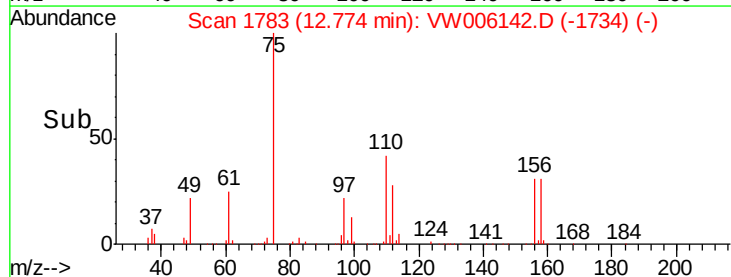
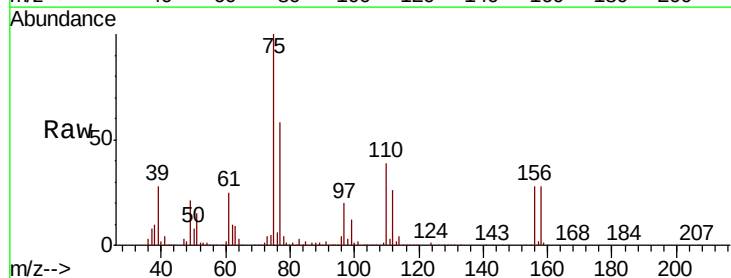
RT: 12.77 min Scan# 1783

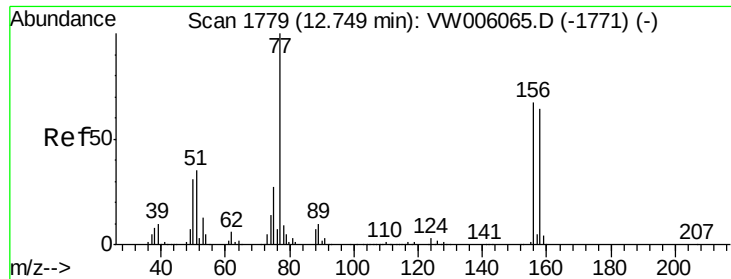
Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Tgt Ion:	75	Resp:	97258
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





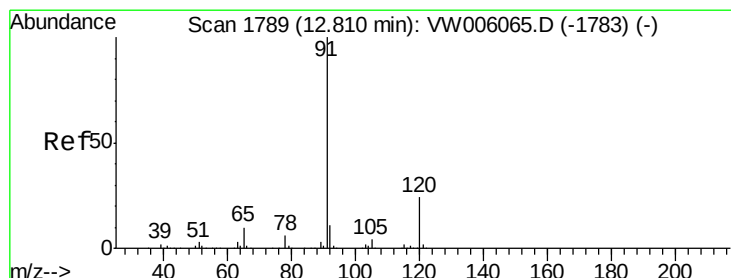
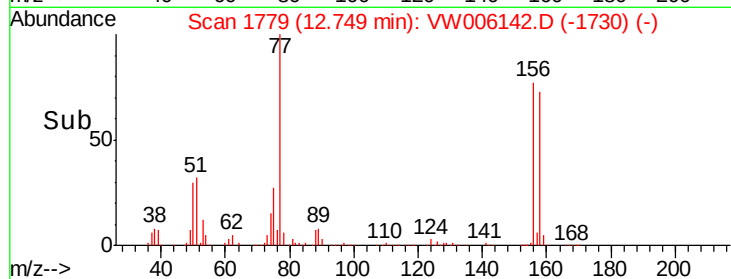
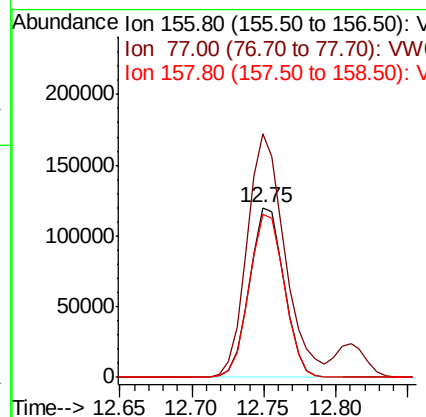
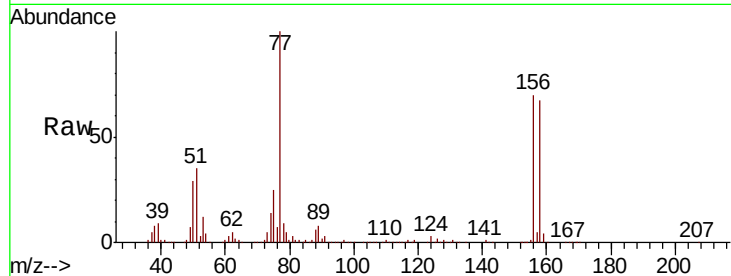
#77
Bromobenzene
Concen: 53.150 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	157.1	79.1	237.4
158	97.6	48.5	145.6

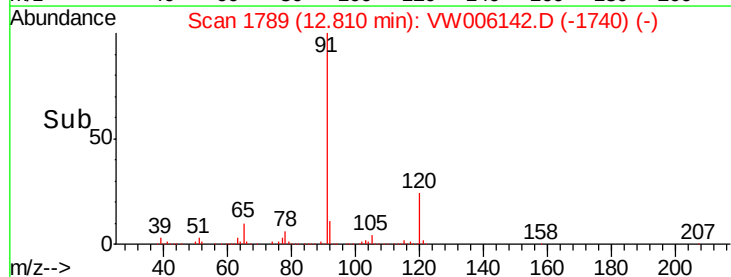
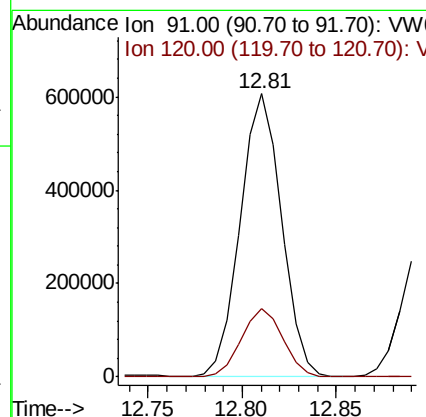
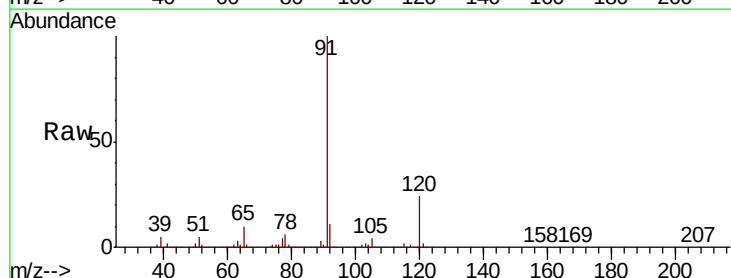
Manual Integrations
APPROVED

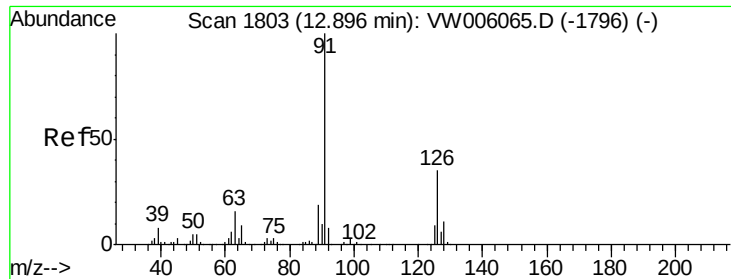
apatel
10/18/2018 4:39:45 PM



#78
n-propylbenzene
Concen: 52.159 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.2	36.6





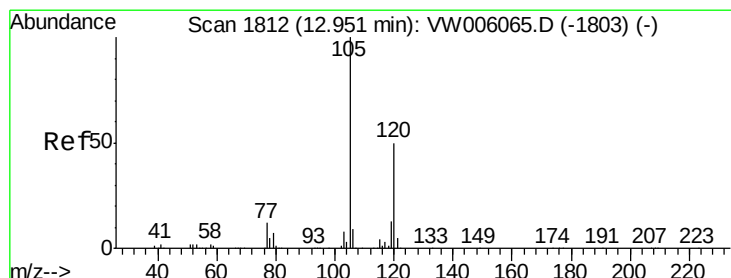
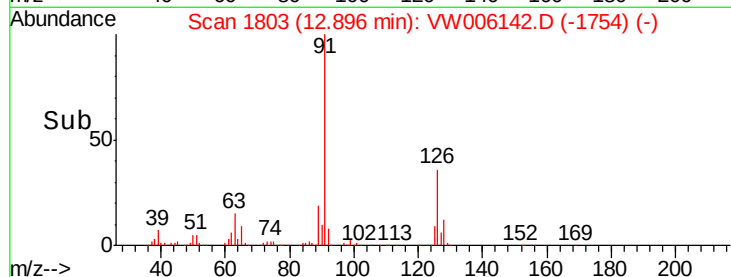
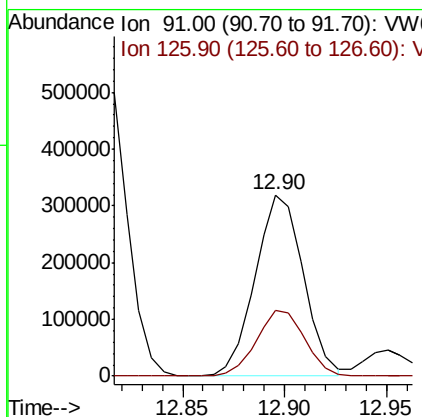
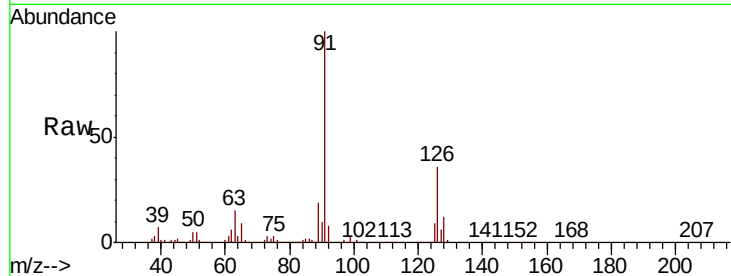
#79
 2-Chlorotoluene
 Concen: 52.882 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 525900
 Ion Ratio Lower Upper
 91 100
 126 36.5 17.9 53.8

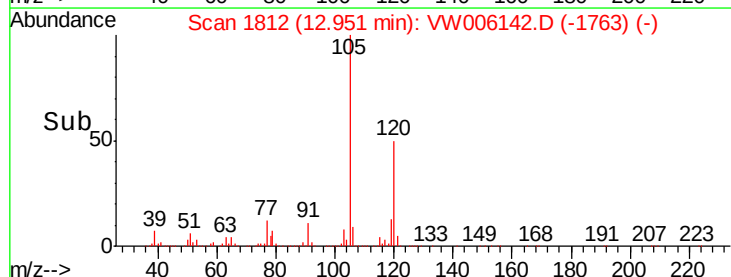
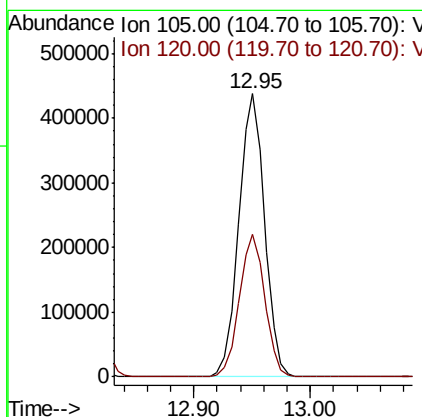
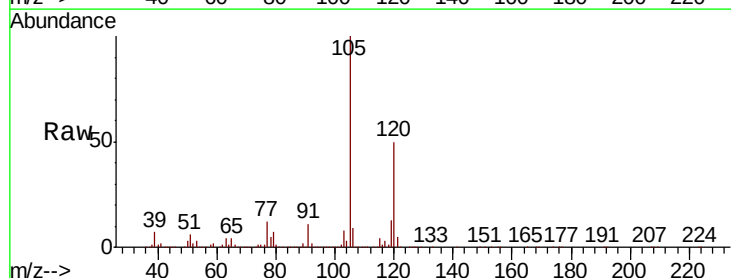
Manual Integrations
 APPROVED

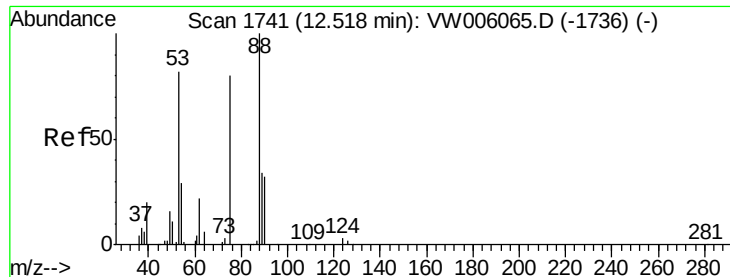
apatel
 10/18/2018 4:39:45 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 52.540 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Tgt Ion: 105 Resp: 673853
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.9 74.6





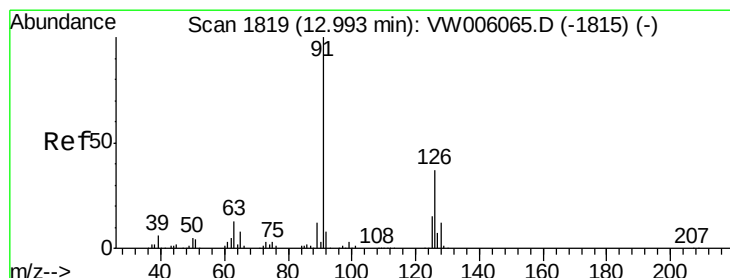
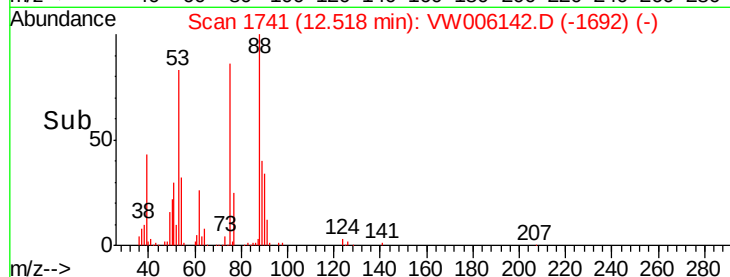
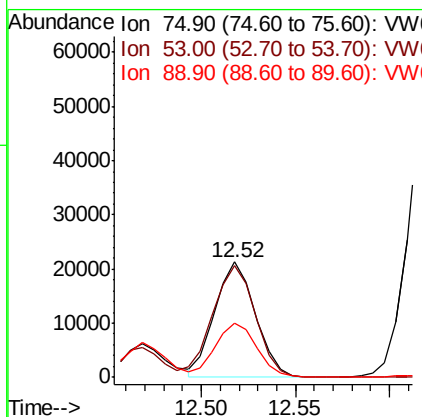
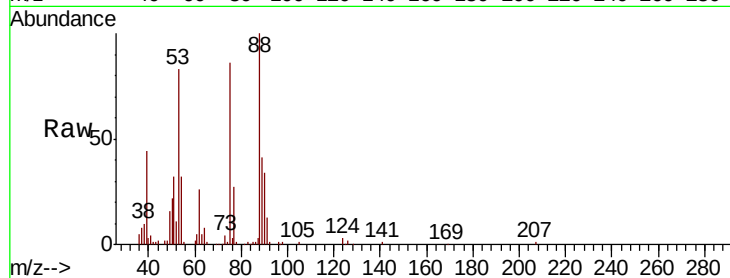
#81
trans-1,4-Dichloro-2-butene
Concen: 46.101 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.9	79.8	119.6
89	48.4	37.5	56.3

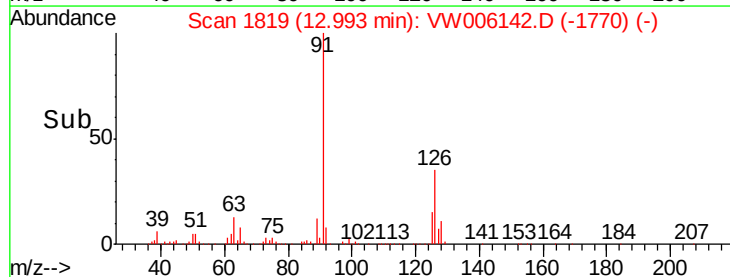
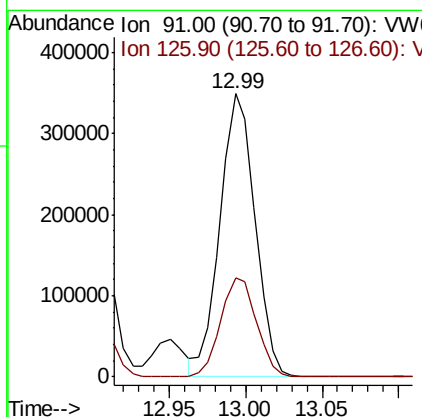
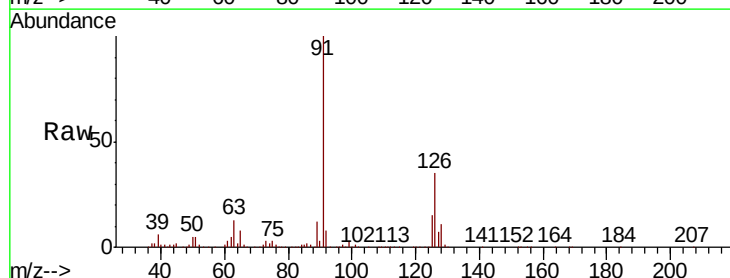
Manual Integrations
APPROVED

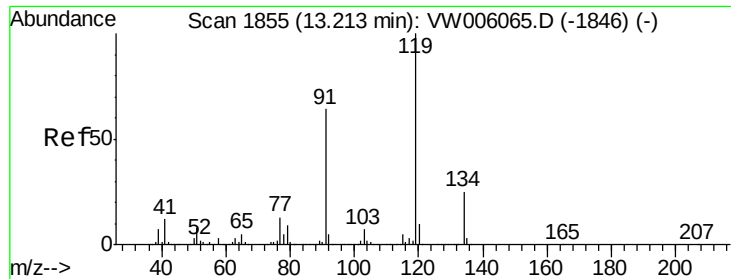
apatel
10/18/2018 4:39:45 PM



#82
4-Chlorotoluene
Concen: 53.240 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	18.1	54.3





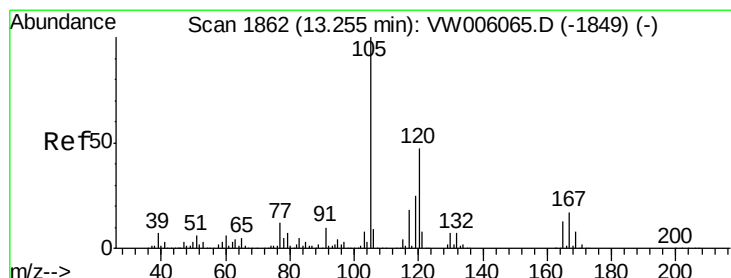
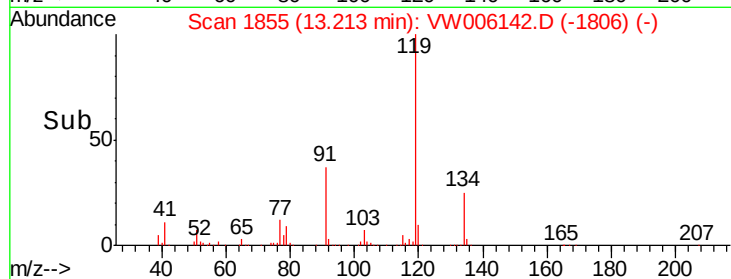
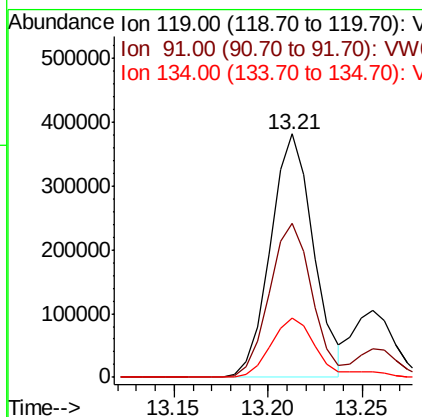
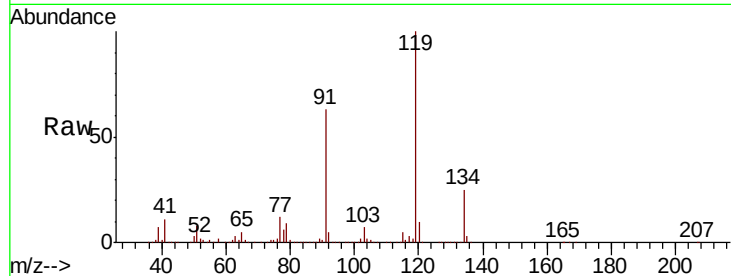
#83
 tert-Butylbenzene
 Concen: 52.544 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.9	32.3	96.9
134	26.7	13.6	40.8

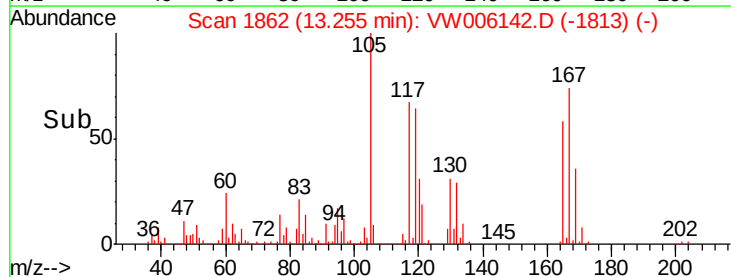
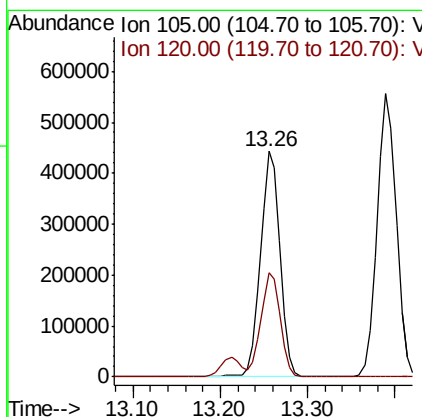
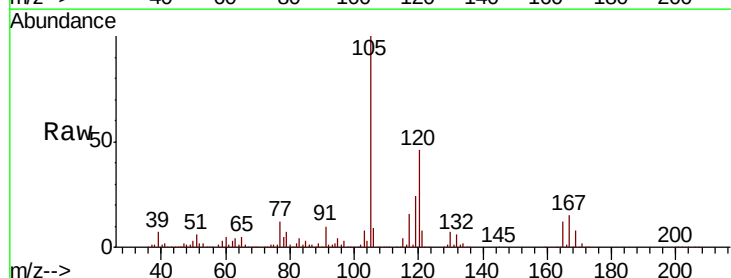
Manual Integrations
 APPROVED

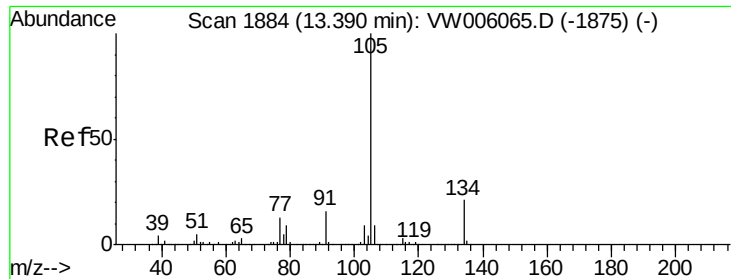
apatel
 10/18/2018 4:39:45 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.941 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.1	69.3





#85

sec-Butylbenzene

Concen: 51.954 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 842226

Ion Ratio Lower Upper

105 100

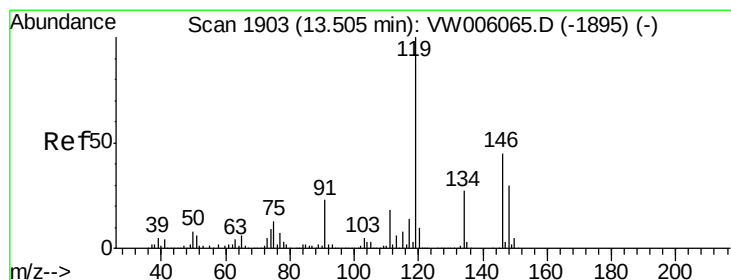
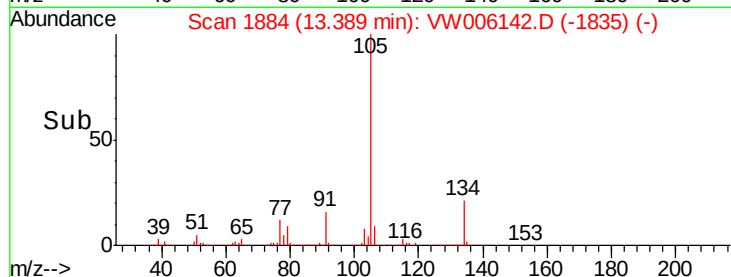
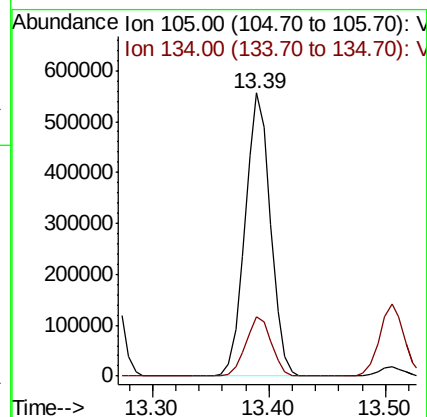
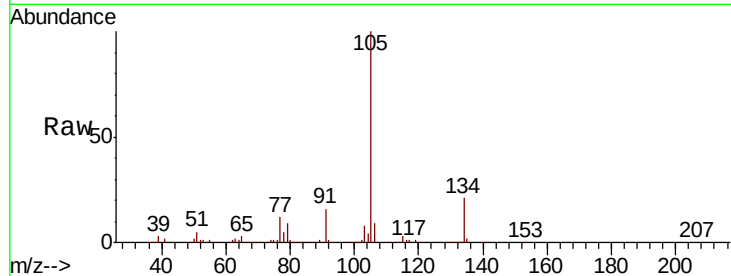
134 21.3 10.5 31.6

Manual Integrations

APPROVED

apatel

10/18/2018 4:39:45 PM



#86

p-Isopropyltoluene

Concen: 52.502 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

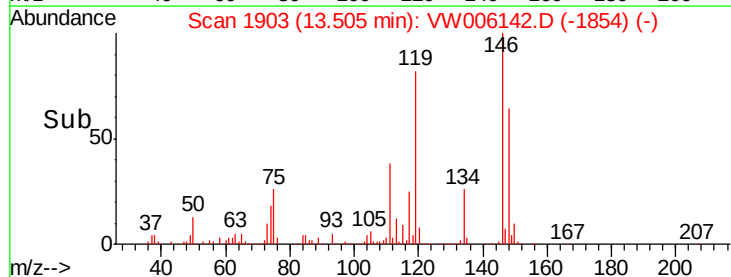
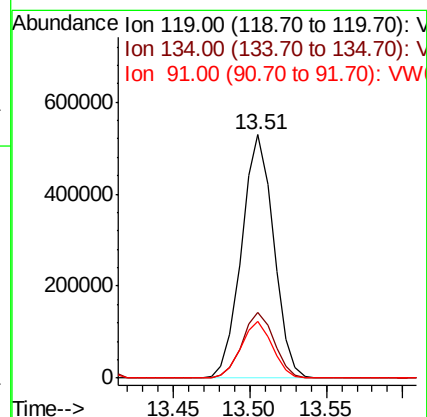
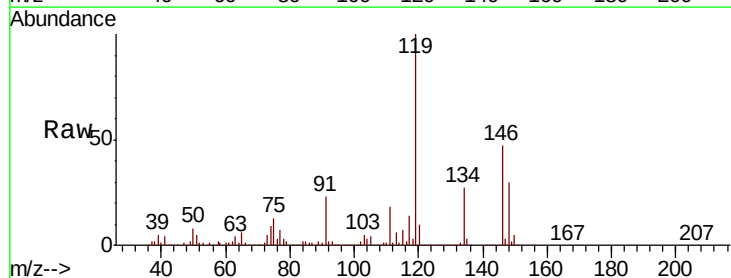
Tgt Ion:119 Resp: 769837

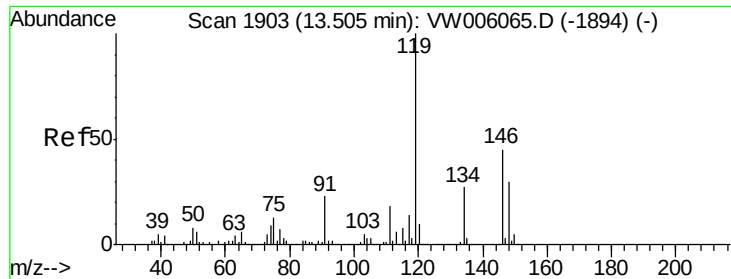
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 22.9 11.4 34.1





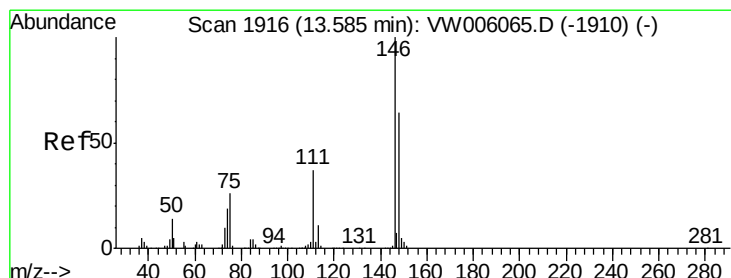
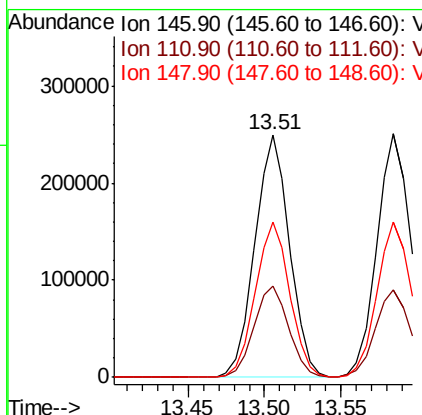
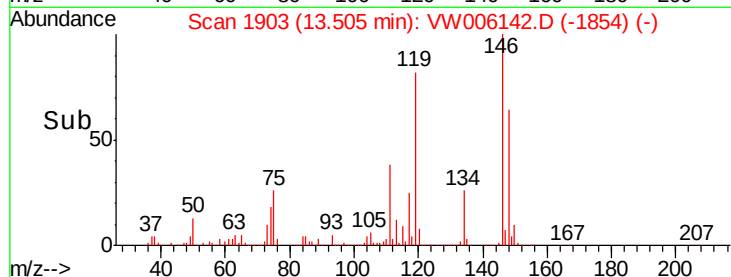
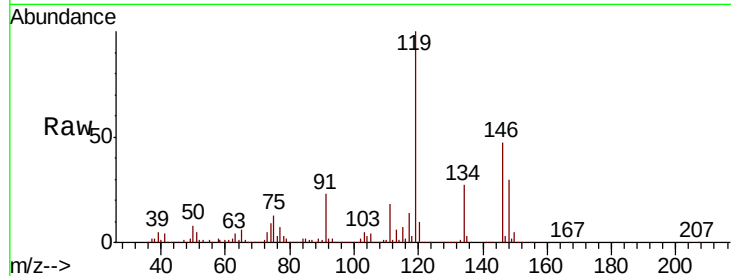
#87
 1,3-Dichlorobenzene
 Concen: 52.986 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	392943		
111	37.9	19.1	57.5	
148	63.8	32.0	96.2	

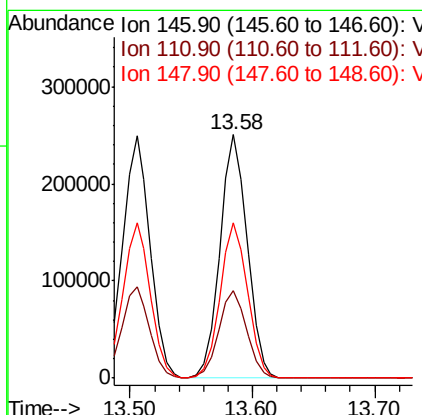
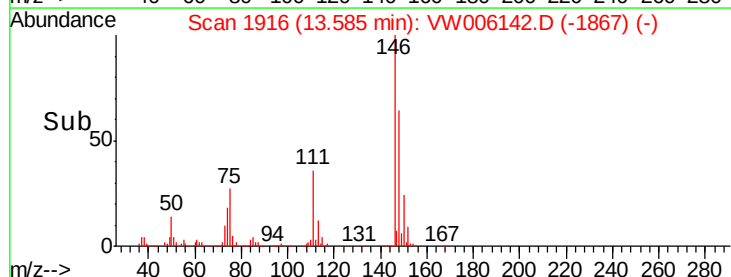
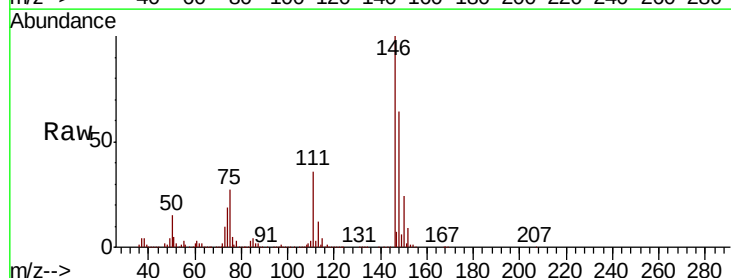
Manual Integrations
 APPROVED

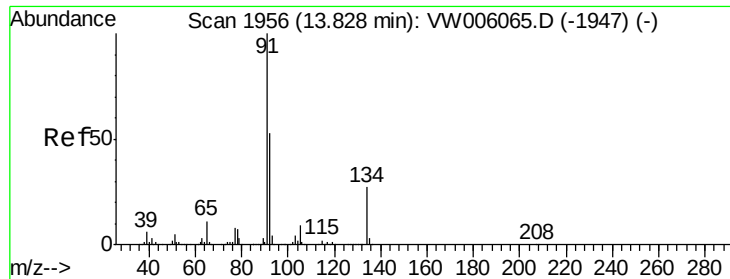
apatel
 10/18/2018 4:39:45 PM



#88
 1,4-Dichlorobenzene
 Concen: 52.388 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	386822		
111	36.8	18.6	56.0	
148	64.1	32.1	96.5	





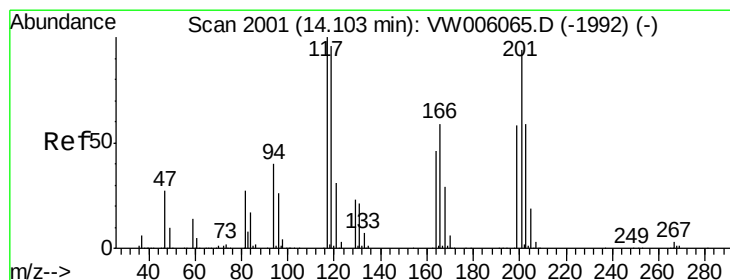
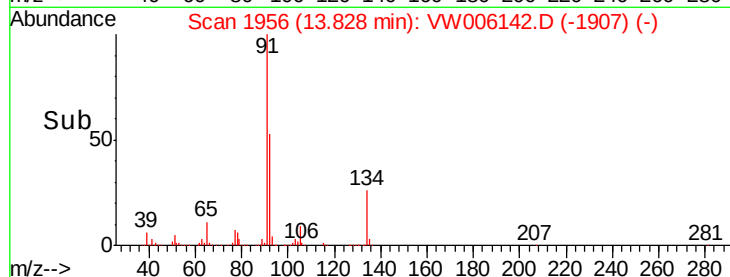
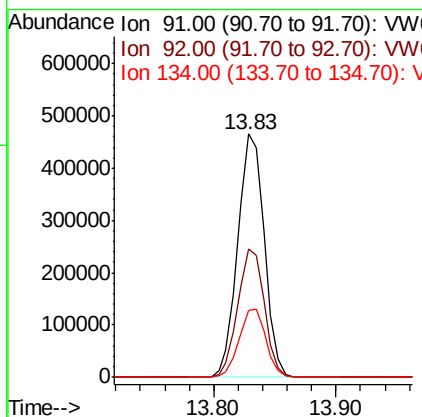
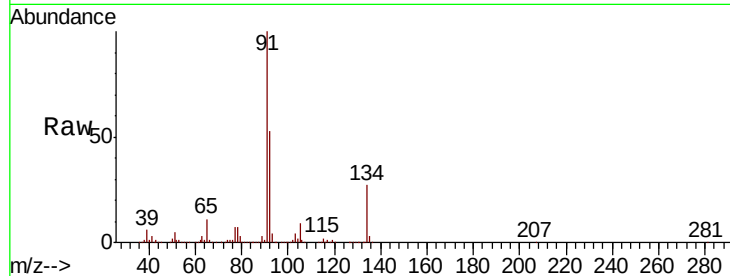
#89
n-Butylbenzene
Concen: 51.908 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.6	79.7
134	28.3	14.0	41.9

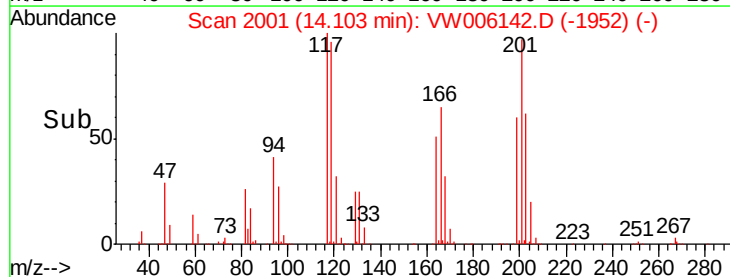
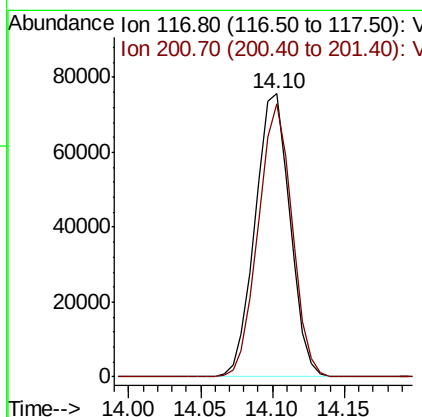
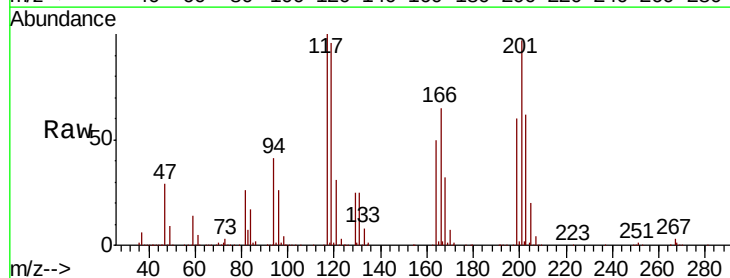
Manual Integrations
APPROVED

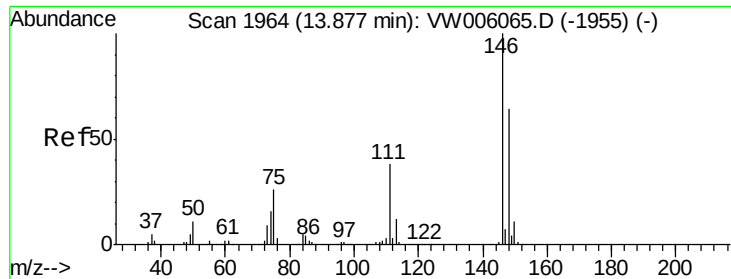
apatel
10/18/2018 4:39:45 PM



#90
Hexachloroethane
Concen: 51.027 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.4	45.3	135.9





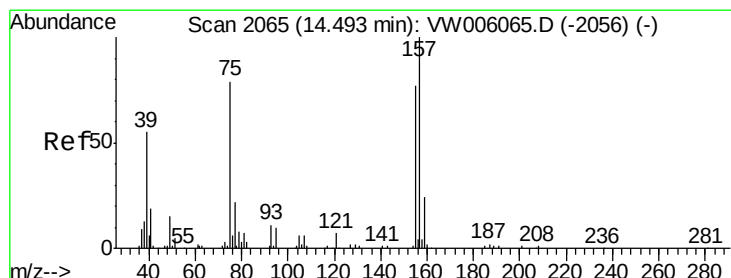
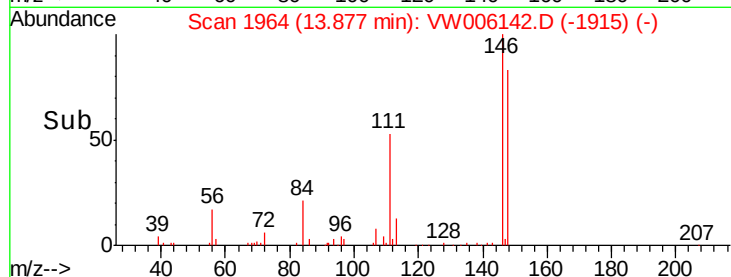
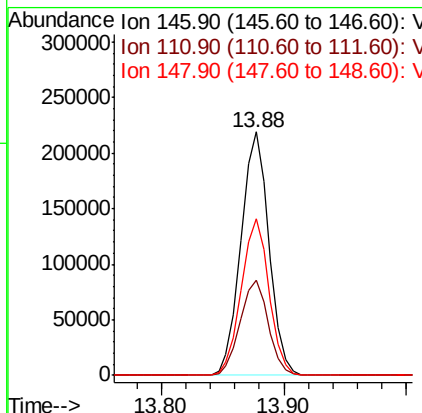
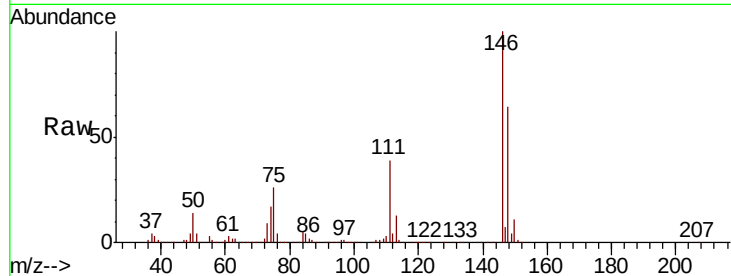
#91
 1,2-Dichlorobenzene
 Concen: 52.512 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.7
148	63.8	32.2	96.6

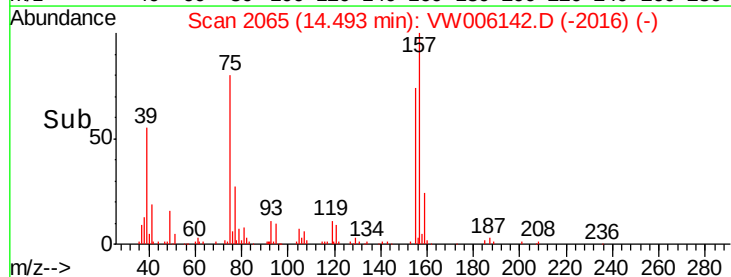
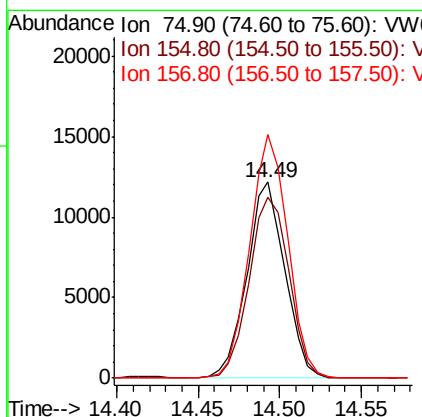
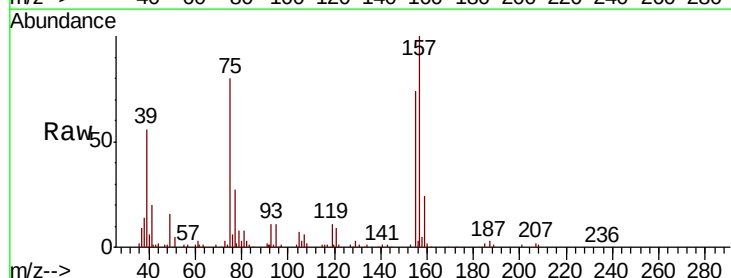
Manual Integrations
 APPROVED

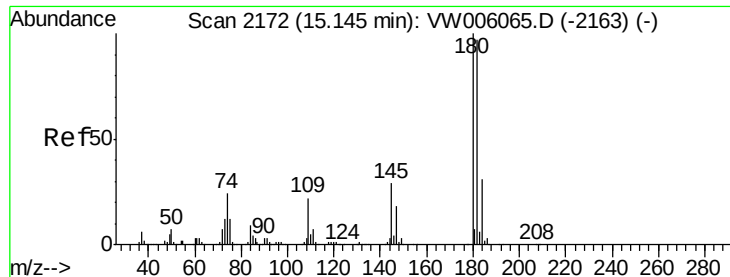
apatel
 10/18/2018 4:39:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.687 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.0	46.5	139.5
157	124.5	59.8	179.4





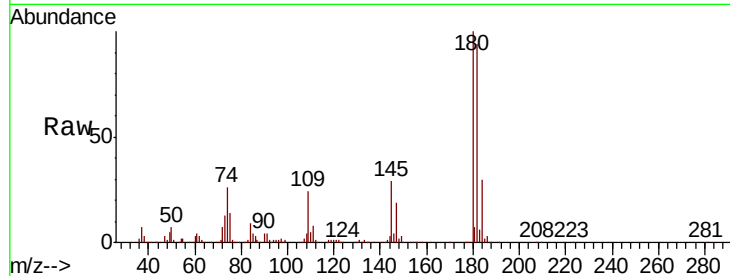
#93
1,2,4-Trichlorobenzene
Concen: 52.030 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.01 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	264826		
182	95.0	47.9	143.6	
145	29.1	14.2	42.8	

Manual Integrations
APPROVED

apatel
10/18/2018 4:39:45 PM

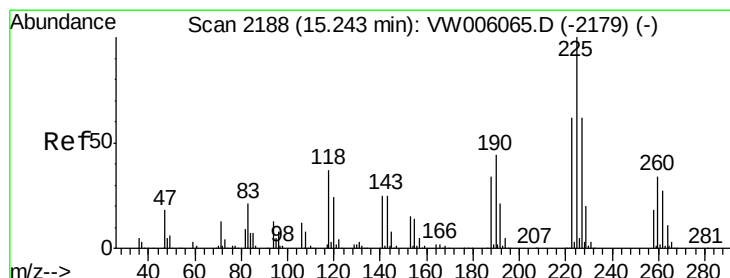
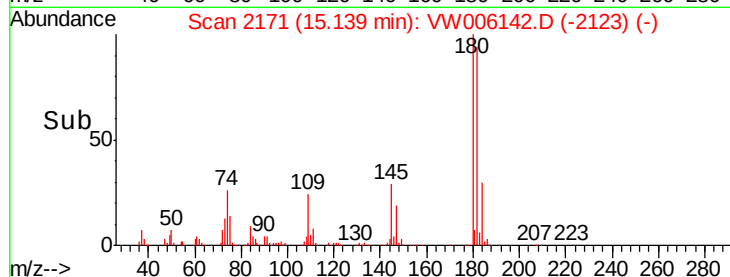
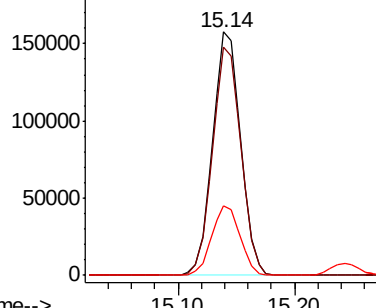


Abundance

Ion 179.80 (179.50 to 180.50): V

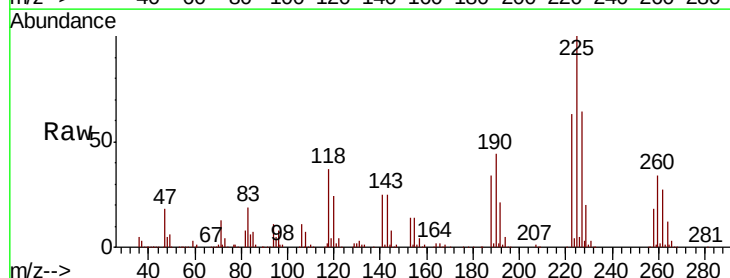
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 52.018 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	166324		
223	62.9	31.1	93.5	
227	64.0	32.4	97.0	

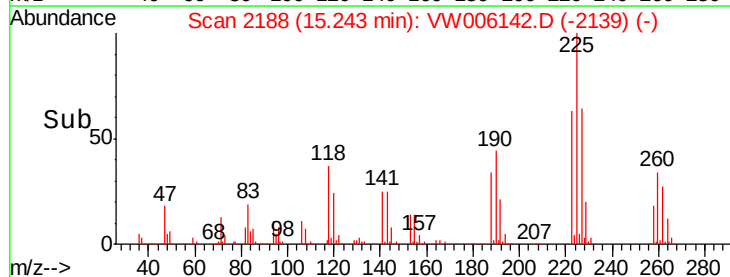
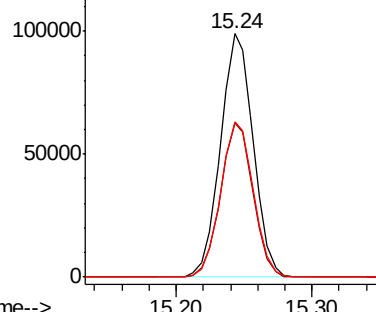


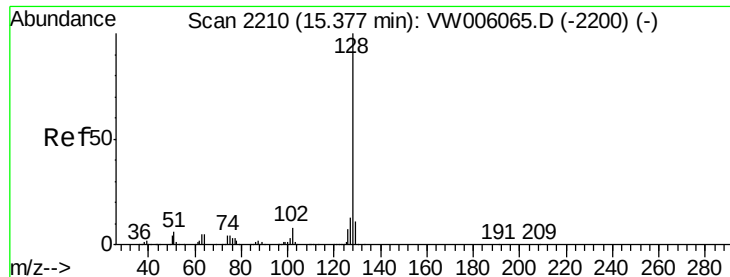
Abundance

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: 51.613 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

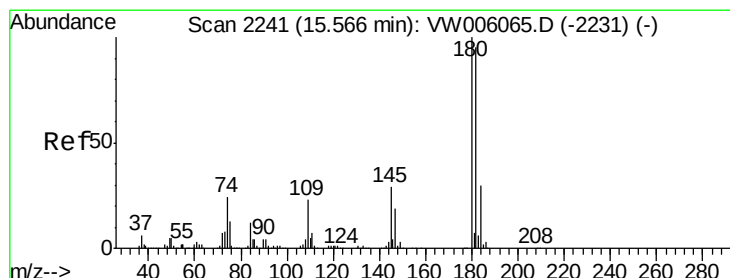
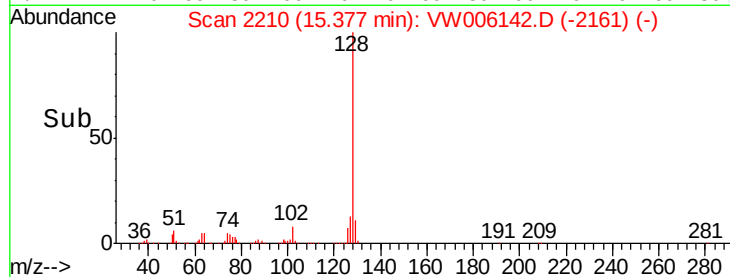
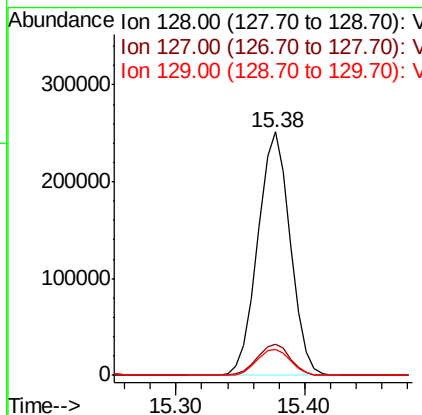
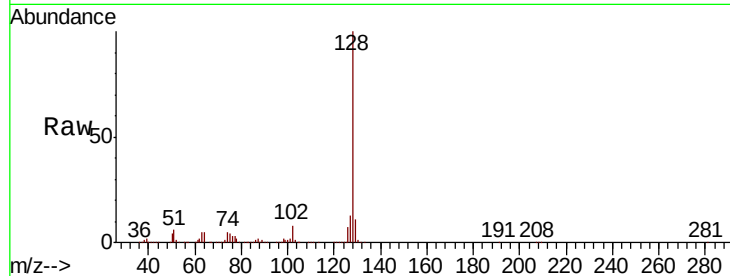
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	437010
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

apatel
10/18/2018 4:39:45 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.078 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Tgt Ion:	180	Resp:	229273
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.8	143.3
145	30.9	15.0	45.1

