

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101918\
 Data File : VW006242.D
 Acq On : 19 Oct 2018 23:05
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 10/22/2018 12:17:56 PM

Quant Time: Oct 20 03:51:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	286404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	420806	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	388069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	217815	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	119611	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
35) Dibromofluoromethane	7.89	113	123727	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
50) Toluene-d8	10.33	98	452971	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
62) 4-Bromofluorobenzene	12.62	95	179341	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	72252	50.979	ug/l	97
3) Chloromethane	2.21	50	91398	50.098	ug/l	100
4) Vinyl Chloride	2.37	62	135557	52.030	ug/l	100
5) Bromomethane	2.79	94	108784	45.906	ug/l	98
6) Chloroethane	2.93	64	92964	49.790	ug/l	99
7) Trichlorofluoromethane	3.26	101	109882	45.273	ug/l	98
8) Diethyl Ether	3.68	74	69029	53.515	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	132361	52.038	ug/l	100
10) Methyl Iodide	4.26	142	232265	54.863	ug/l	100
11) Tert butyl alcohol	5.26	59	40592	254.189	ug/l	97
12) 1,1-Dichloroethene	4.03	96	126228	52.749	ug/l	95
13) Acrolein	3.90	56	38730	250.642	ug/l	94
14) Allyl chloride	4.67	41	178904	52.286	ug/l	98
15) Acrylonitrile	5.38	53	131087	283.335	ug/l	99
16) Acetone	4.15	43	111729	250.868	ug/l	99
17) Carbon Disulfide	4.38	76	346329	47.953	ug/l	100
18) Methyl Acetate	4.68	43	66011	55.243	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	203320	55.784	ug/l	97
20) Methylene Chloride	4.92	84	139891	55.871	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	145429	54.446	ug/l	96
22) Diisopropyl ether	6.32	45	371073	54.879	ug/l	99
23) Vinyl Acetate	6.26	43	1084419	271.758	ug/l	99
24) 1,1-Dichloroethane	6.21	63	241281	55.302	ug/l	99
25) 2-Butanone	7.19	43	169650	264.477	ug/l	100
26) 2,2-Dichloropropane	7.17	77	141078	45.846	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	164366	55.763	ug/l	98
28) Bromochloromethane	7.52	49	94322	55.998	ug/l	95
29) Tetrahydrofuran	7.54	42	108324	274.734	ug/l	97
30) Chloroform	7.68	83	264807	55.708	ug/l	98
31) Cyclohexane	7.96	56	205850	47.377	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	222299	51.843	ug/l	99
36) 1,1-Dichloropropene	8.09	75	199444	51.421	ug/l	99
37) Ethyl Acetate	7.26	43	77483	53.768	ug/l	99
38) Carbon Tetrachloride	8.07	117	208519	49.041	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101918\
 Data File : VW006242.D
 Acq On : 19 Oct 2018 23:05
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 10/22/2018 12:17:56 PM

Quant Time: Oct 20 03:51:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	257493	49.942	ug/l	98
40) Benzene	8.32	78	569495	53.527	ug/l	98
41) Methacrylonitrile	7.49	41	46359	53.364	ug/l	95
42) 1,2-Dichloroethane	8.40	62	172479	55.178	ug/l	99
43) Isopropyl Acetate	8.43	43	155608	52.812	ug/l	99
44) Trichloroethene	9.09	130	174463	53.448	ug/l	99
45) 1,2-Dichloropropane	9.37	63	135785	53.334	ug/l	99
46) Dibromomethane	9.46	93	79464	54.763	ug/l	99
47) Bromodichloromethane	9.65	83	184754	52.516	ug/l	98
48) Methyl methacrylate	9.44	41	76317	54.642	ug/l	96
49) 1,4-Dioxane	9.50	88	26261	1175.584	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	397157	269.023	ug/l	97
52) Toluene	10.39	92	376721	52.814	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	182711	52.127	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	210184	52.248	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	112767	55.533	ug/l	97
56) Ethyl methacrylate	10.65	69	139671	56.107	ug/l	95
57) 1,3-Dichloropropane	10.94	76	184716	54.951	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	239592	251.881	ug/l	99
59) 2-Hexanone	10.98	43	271994	258.100	ug/l	97
60) Dibromochloromethane	11.13	129	134448	53.156	ug/l	100
61) 1,2-Dibromoethane	11.24	107	114097	56.234	ug/l	99
64) Tetrachloroethene	10.87	164	158123	52.487	ug/l	99
65) Chlorobenzene	11.66	112	442926	53.317	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	156659	53.064	ug/l	99
67) Ethyl Benzene	11.74	91	755712	52.491	ug/l	100
68) m/p-Xylenes	11.85	106	601115	105.636	ug/l	99
69) o-Xylene	12.17	106	288285	53.158	ug/l	99
70) Styrene	12.19	104	477382	54.132	ug/l	99
71) Bromoform	12.35	173	83830	50.908	ug/l	99
73) Isopropylbenzene	12.47	105	800146	51.998	ug/l	100
74) N-amyl acetate	12.28	43	156530	52.373	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	130258	55.655	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	84973m	51.075	ug/l	
77) Bromobenzene	12.75	156	204357	54.220	ug/l	99
78) n-propylbenzene	12.81	91	927039	51.782	ug/l	100
79) 2-Chlorotoluene	12.90	91	530261	52.716	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	677806	52.250	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	33522	48.165	ug/l	99
82) 4-Chlorotoluene	12.99	91	561575	53.296	ug/l	100
83) tert-Butylbenzene	13.21	119	603131	51.965	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	694653	52.918	ug/l	100
85) sec-Butylbenzene	13.39	105	847020	51.658	ug/l	100
86) p-Isopropyltoluene	13.51	119	773666	52.166	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	401101	53.473	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	394968	52.885	ug/l	99
89) n-Butylbenzene	13.83	91	702934	51.826	ug/l	100
90) Hexachloroethane	14.10	117	122486	48.758	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	359693	53.759	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21374	51.008	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101918\
Data File : VW006242.D
Acq On : 19 Oct 2018 23:05
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

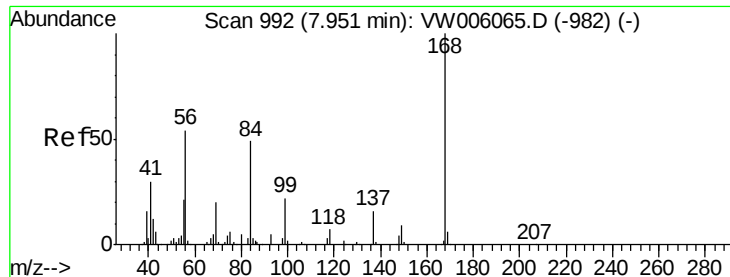
Manual Integrations
APPROVED

apatel
10/22/2018 12:17:56 PM

Quant Time: Oct 20 03:51:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	276233	53.656	ug/l	100
94) Hexachlorobutadiene	15.24	225	165954	51.314	ug/l	99
95) Naphthalene	15.38	128	488092	56.993	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	244788	54.972	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: VW006242.D

Acq: 19 Oct 2018 23:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 286404

Ion Ratio Lower Upper

168 100

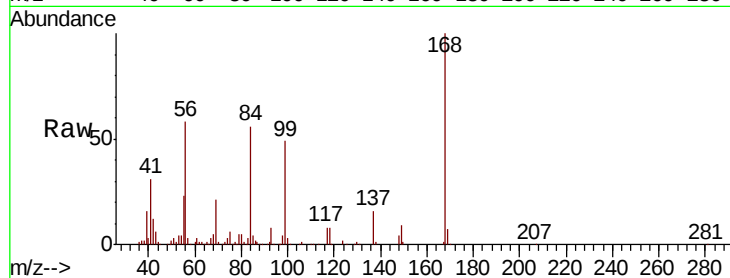
99 49.3 39.9 59.9

Manual Integrations

APPROVED

apatel

10/22/2018 12:17:56 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

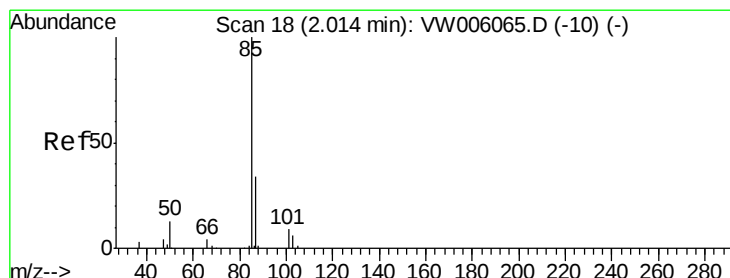
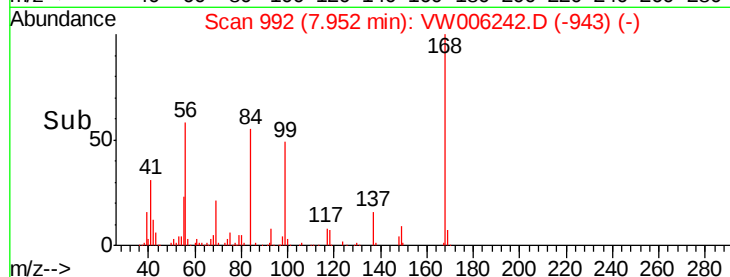
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.979 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006242.D

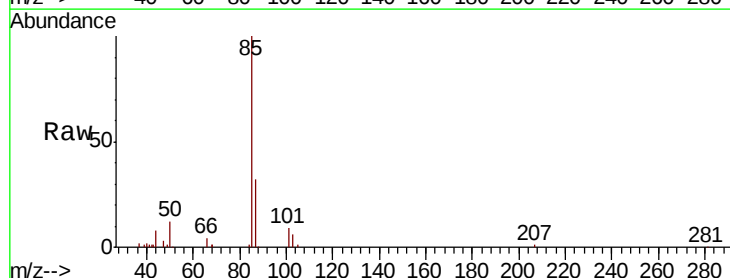
Acq: 19 Oct 2018 23:05

Tgt Ion: 85 Resp: 72252

Ion Ratio Lower Upper

85 100

87 32.3 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

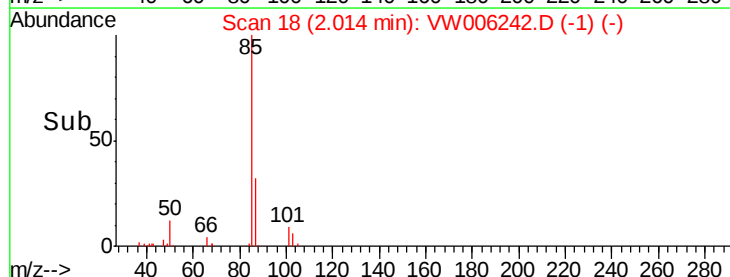
15000

10000

5000

0

Time-->





#3

Chloromethane

Concen: 50.098 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 91398

Ion Ratio Lower Upper

50 100

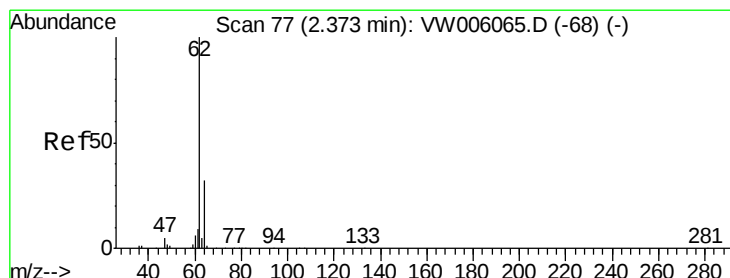
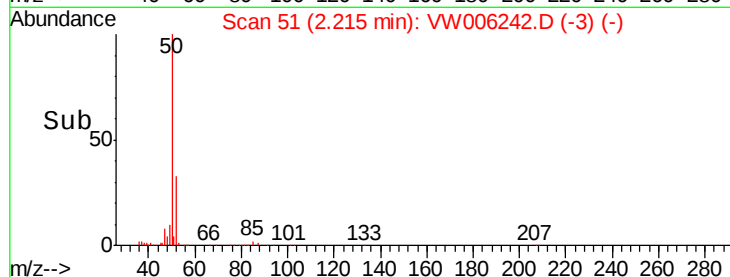
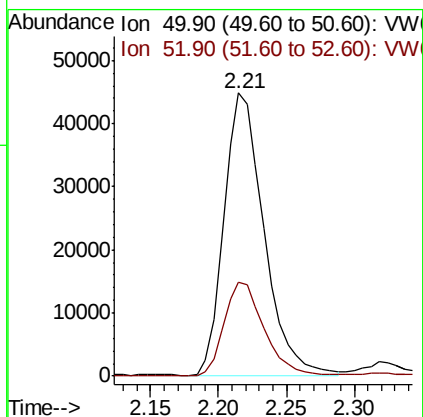
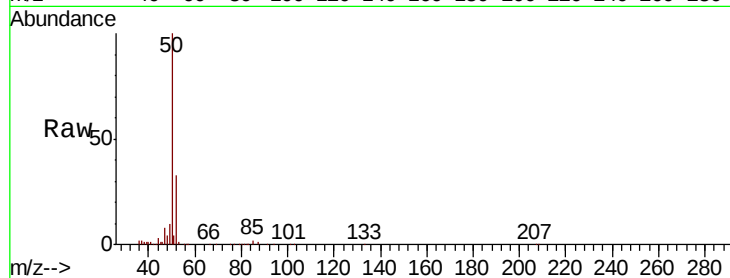
52 33.5 26.8 40.2

Manual Integrations

APPROVED

apatel

10/22/2018 12:17:56 PM



#4

Vinyl Chloride

Concen: 52.030 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW006242.D

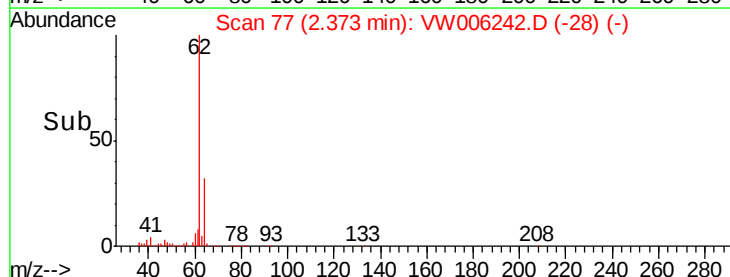
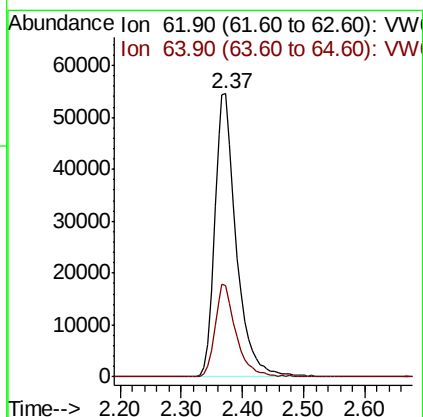
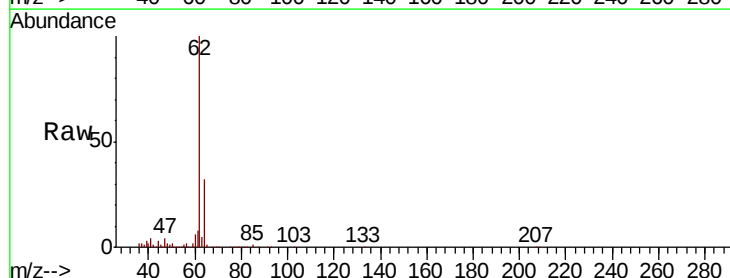
Acq: 19 Oct 2018 23:05

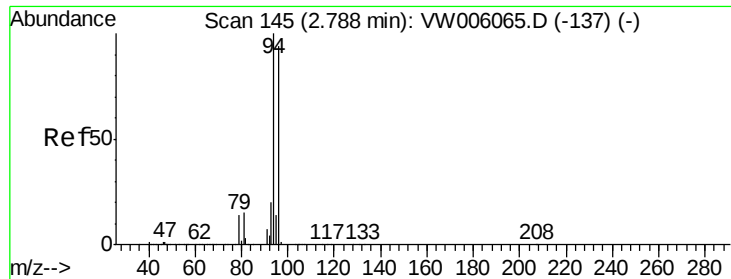
Tgt Ion: 62 Resp: 135557

Ion Ratio Lower Upper

62 100

64 32.2 25.9 38.9





#5

Bromomethane

Concen: 45.906 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 108784

Ion Ratio Lower Upper

94 100

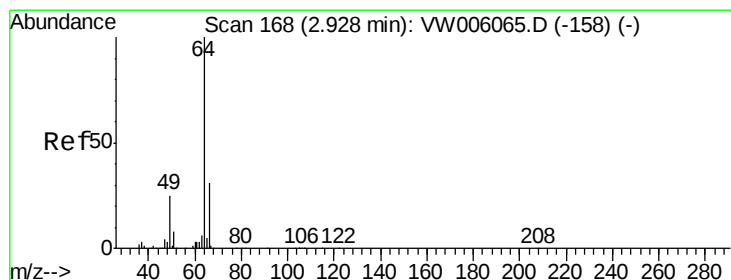
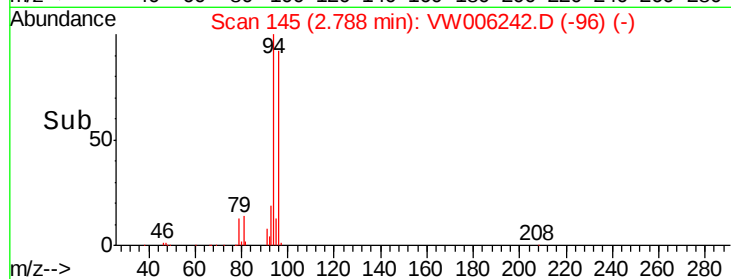
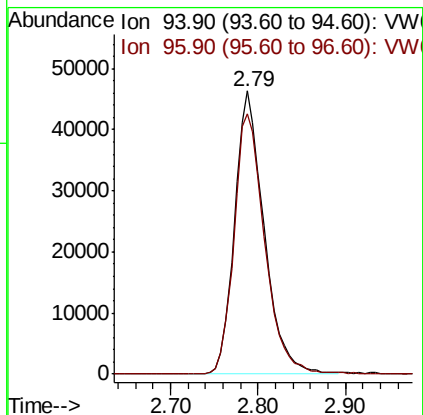
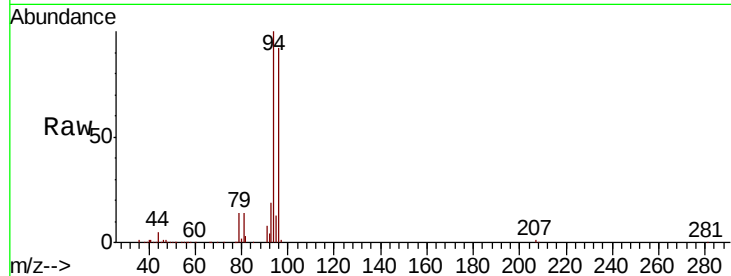
96 92.1 74.9 112.3

Manual Integrations

APPROVED

apatel

10/22/2018 12:17:56 PM



#6

Chloroethane

Concen: 49.790 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW006242.D

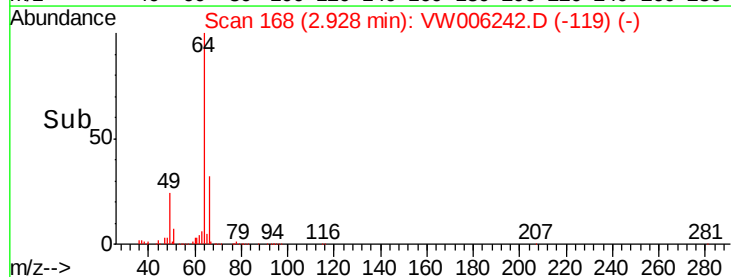
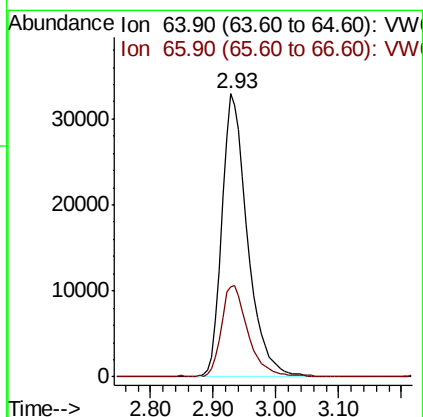
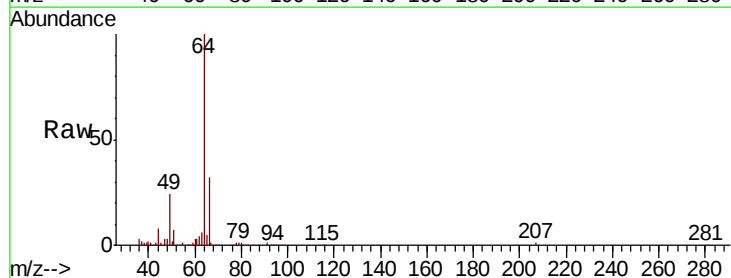
Acq: 19 Oct 2018 23:05

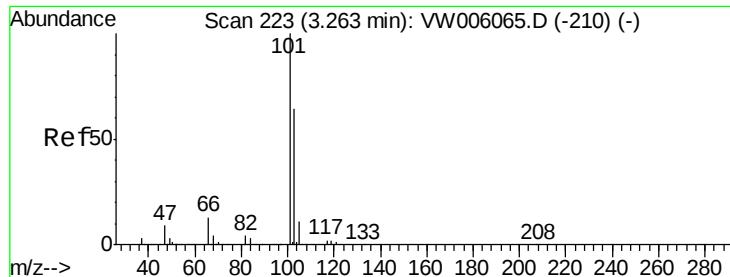
Tgt Ion: 64 Resp: 92964

Ion Ratio Lower Upper

64 100

66 31.9 24.9 37.3





#7

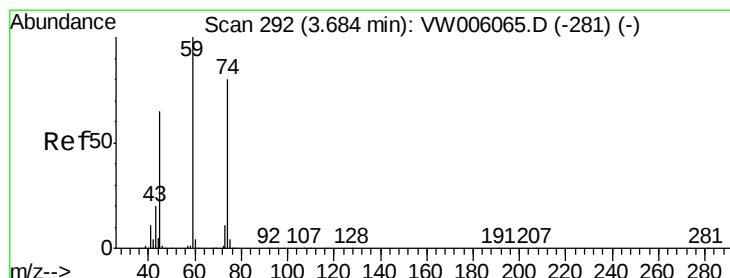
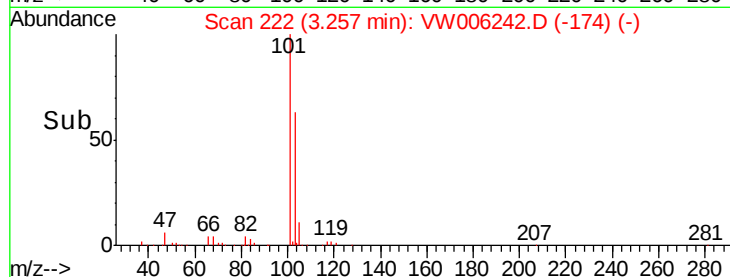
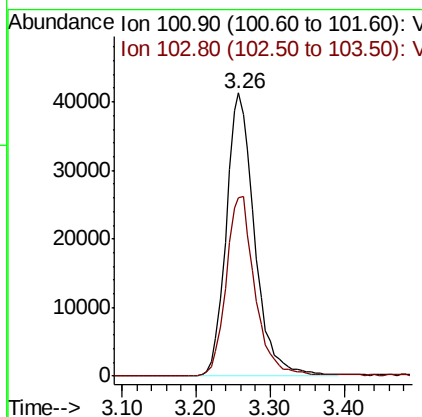
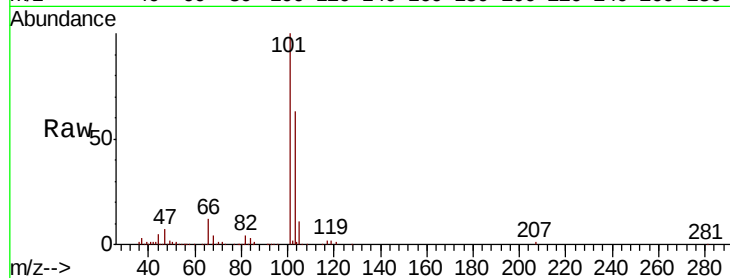
Trichlorofluoromethane
 Concen: 45.273 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW006242.D
 Acq: 19 Oct 2018 23:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	51.2	76.8

Manual Integrations
 APPROVED

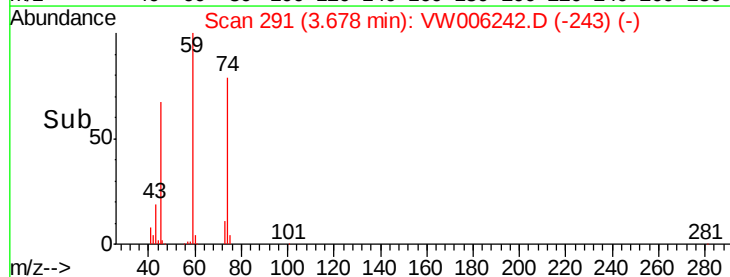
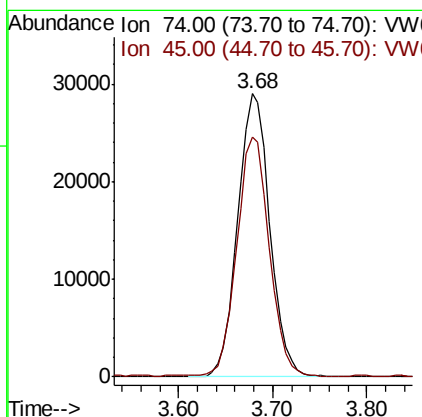
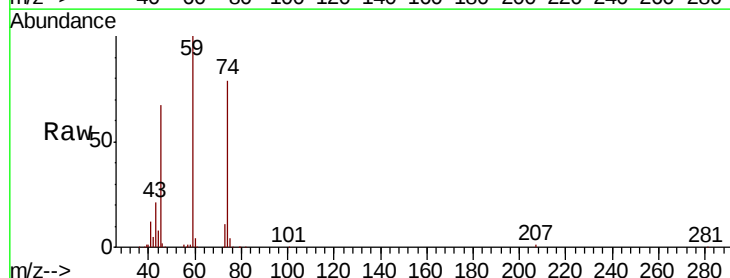
apatel
 10/22/2018 12:17:56 PM



#8

Diethyl Ether
 Concen: 53.515 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW006242.D
 Acq: 19 Oct 2018 23:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.2	42.8	128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.038 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

Instrument :

MSVOA_W

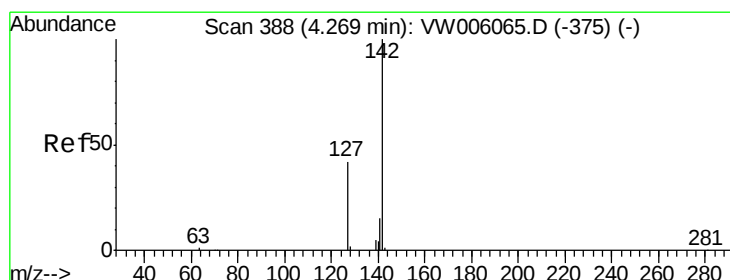
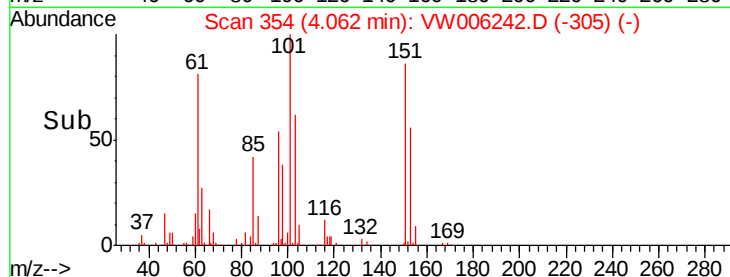
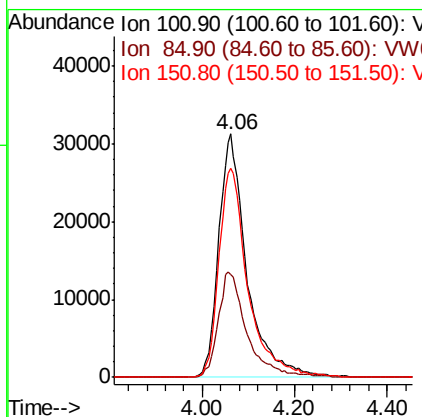
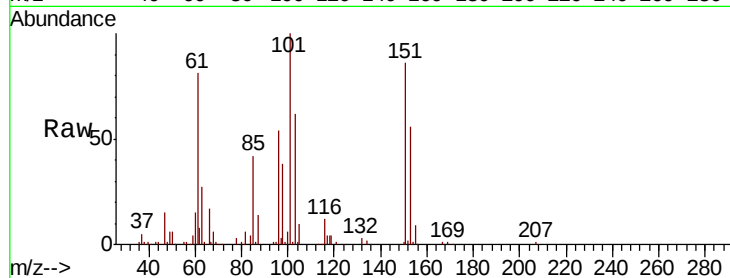
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	132361
Ion Ratio	Lower	Upper	
101	100		
85	43.6	34.9	52.3
151	88.5	70.4	105.6

Manual Integrations
APPROVED

apatel
10/22/2018 12:17:56 PM



#10

Methyl Iodide

Concen: 54.863 ug/l

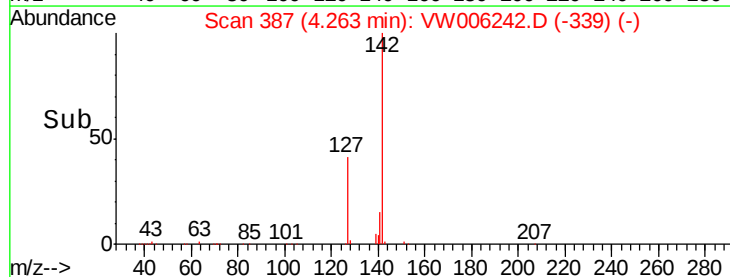
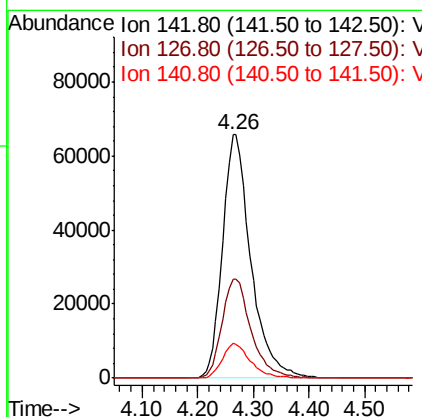
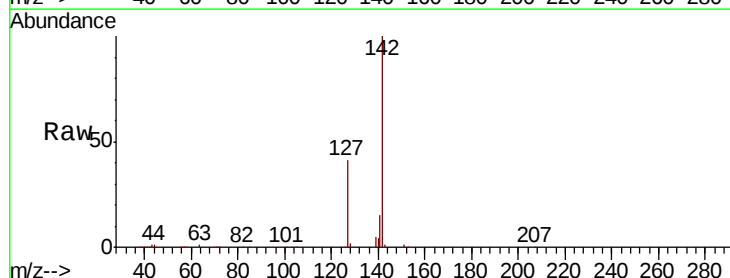
RT: 4.26 min Scan# 387

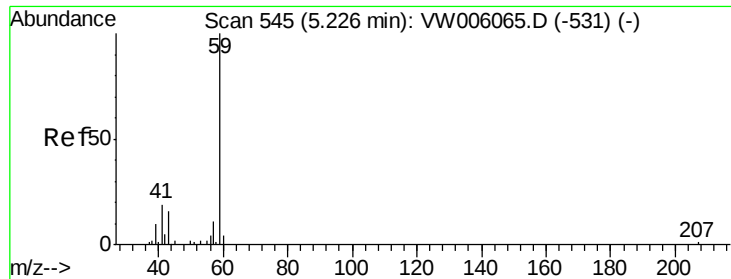
Delta R.T. -0.01 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

Tgt Ion:	142	Resp:	232265
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.6	50.4
141	14.1	11.6	17.4





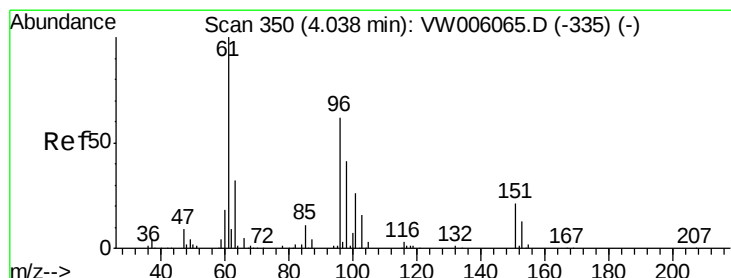
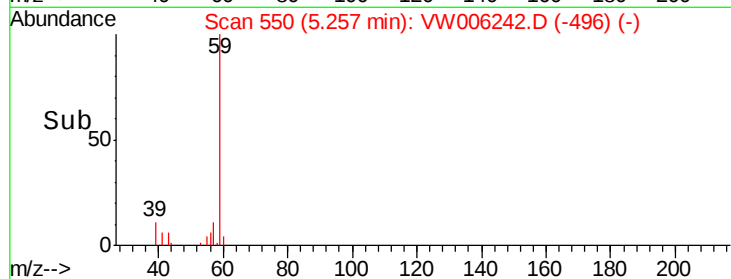
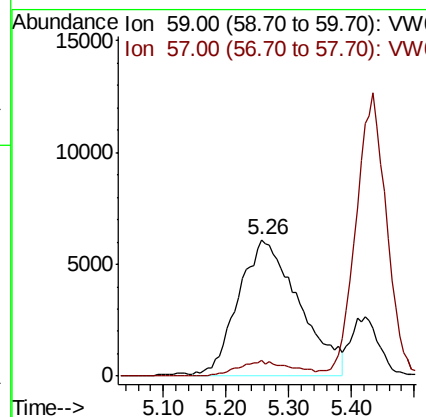
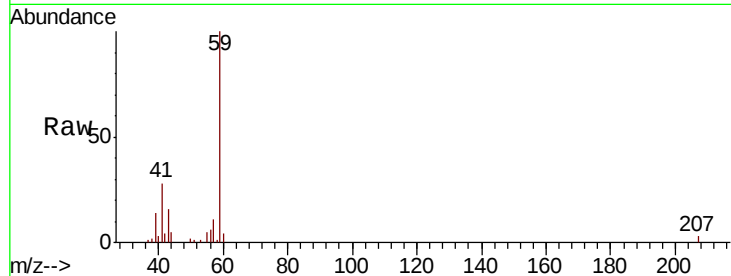
#11
Tert butyl alcohol
Concen: 254.189 ug/l
RT: 5.26 min Scan# 550
Delta R.T. 0.03 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.7	13.1

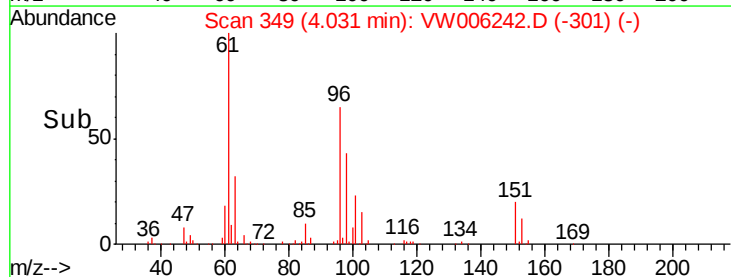
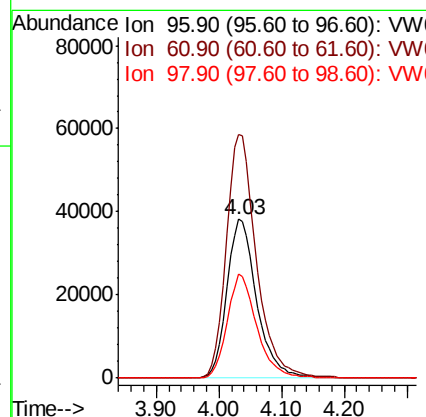
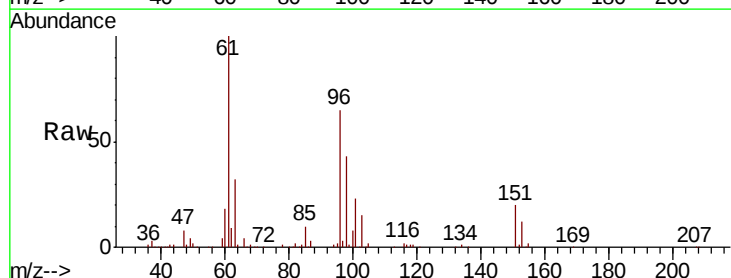
Manual Integrations
APPROVED

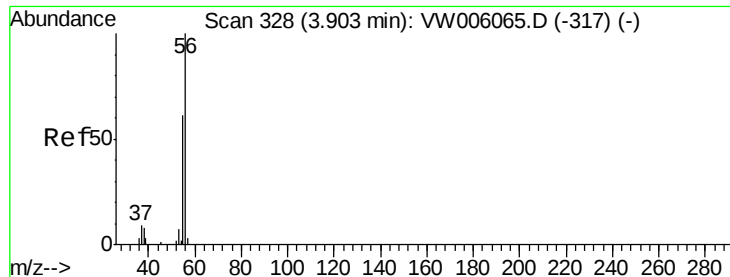
apatel
10/22/2018 12:17:56 PM



#12
1,1-Dichloroethene
Concen: 52.749 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.5	129.3	193.9
98	65.8	53.1	79.7





#13

Acrolein

Concen: 250.642 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 38730

Ion Ratio Lower Upper

56 100

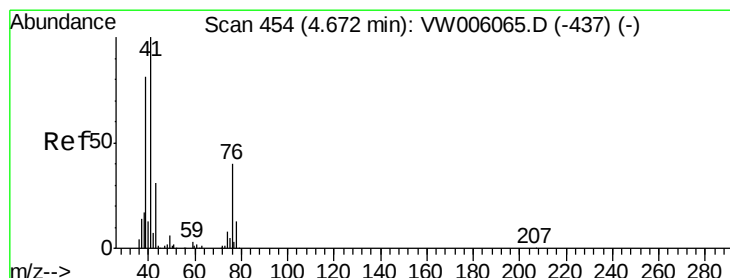
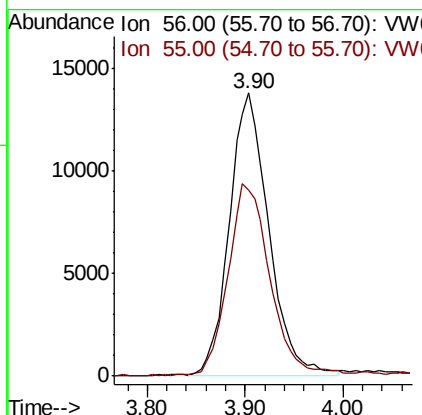
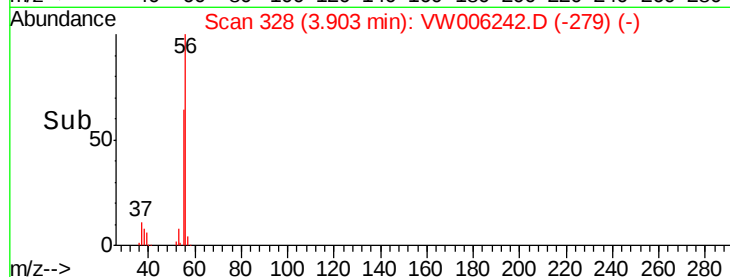
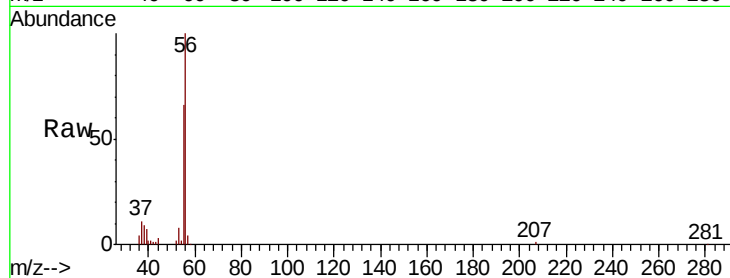
55 73.0 54.5 81.7

Manual Integrations

APPROVED

apatel

10/22/2018 12:17:56 PM



#14

Allyl chloride

Concen: 52.286 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

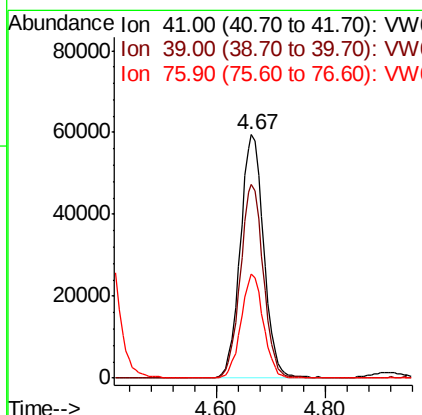
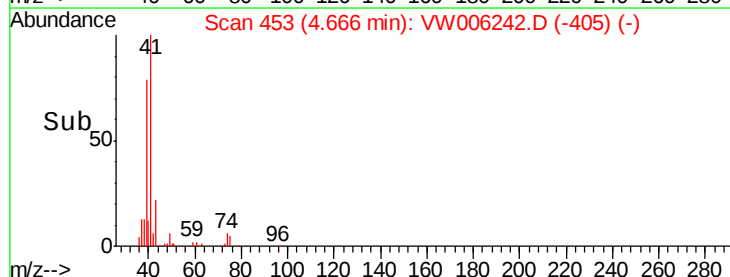
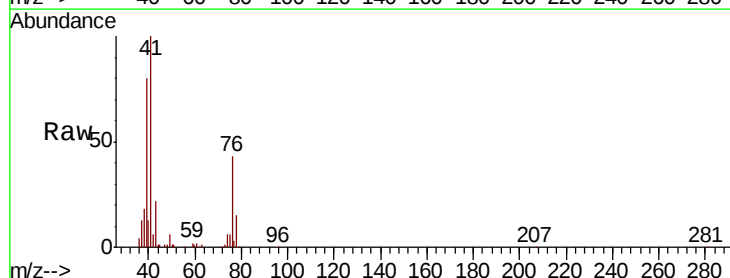
Tgt Ion: 41 Resp: 178904

Ion Ratio Lower Upper

41 100

39 77.5 64.1 96.1

76 40.6 32.2 48.4





#15

Acrylonitrile

Concen: 283.335 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

Instrument :

MSVOA_W

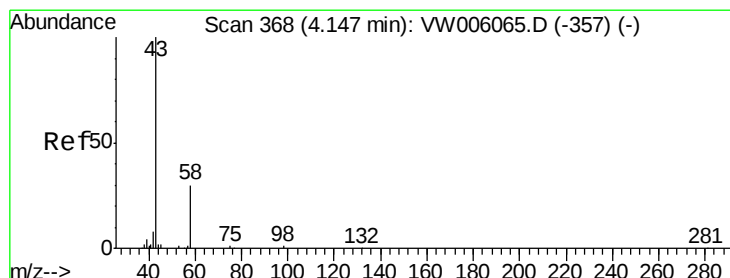
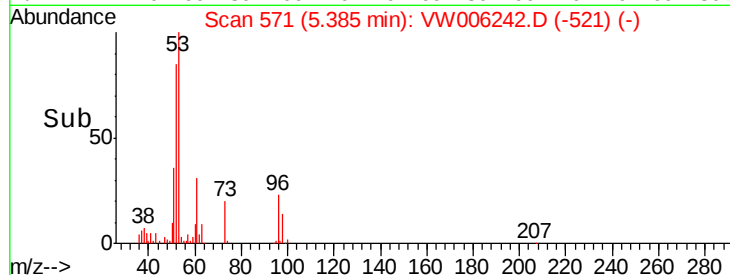
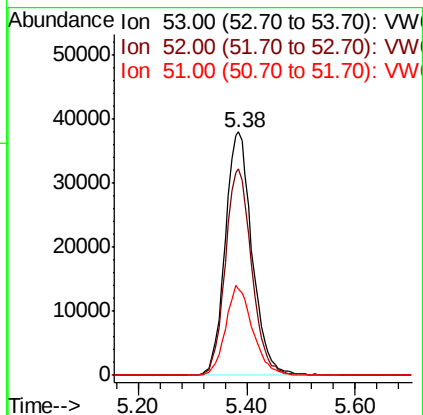
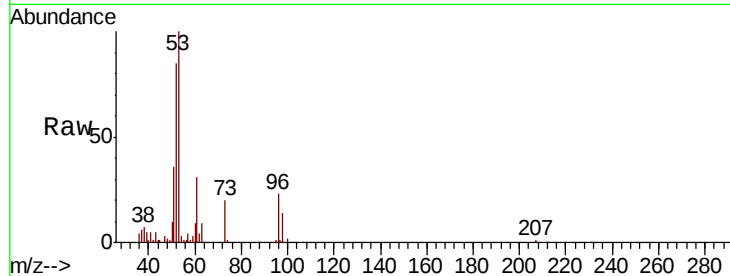
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	131087
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.9	100.3
51	37.1	30.1	45.1

Manual Integrations
APPROVED

apatel
10/22/2018 12:17:56 PM



#16

Acetone

Concen: 250.868 ug/l

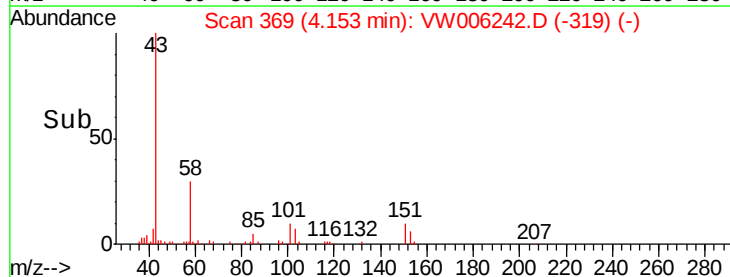
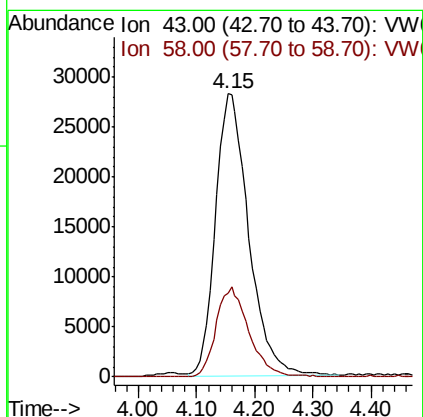
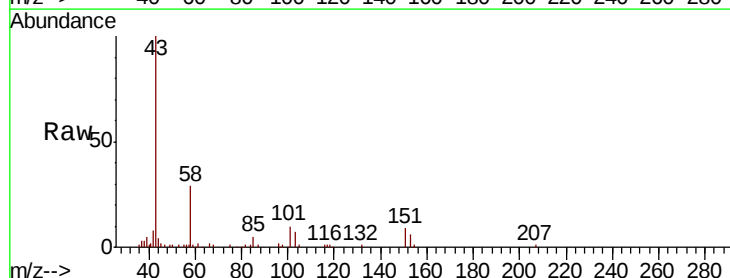
RT: 4.15 min Scan# 369

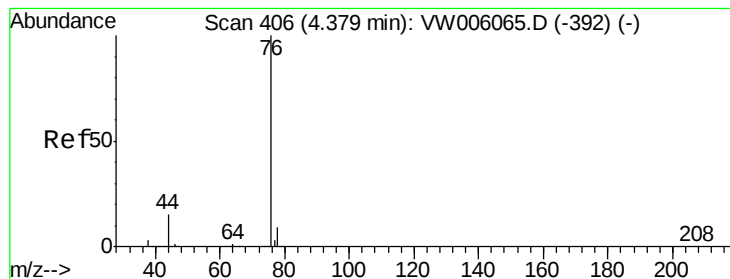
Delta R.T. 0.01 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

Tgt Ion:	43	Resp:	111729
Ion Ratio	Lower	Upper	
43	100		
58	29.6	24.0	36.0





#17

Carbon Disulfide

Concen: 47.953 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 346329

Ion Ratio Lower Upper

76 100

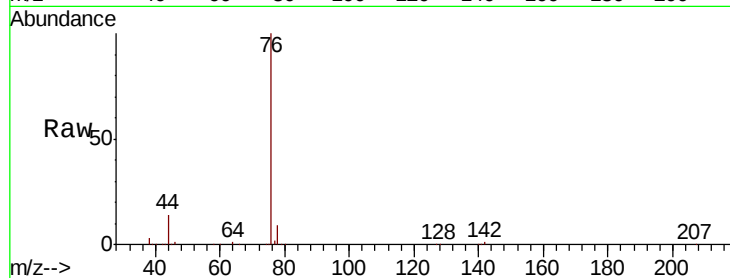
78 9.4 7.5 11.3

Manual Integrations

APPROVED

apatel

10/22/2018 12:17:56 PM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

120000

100000

80000

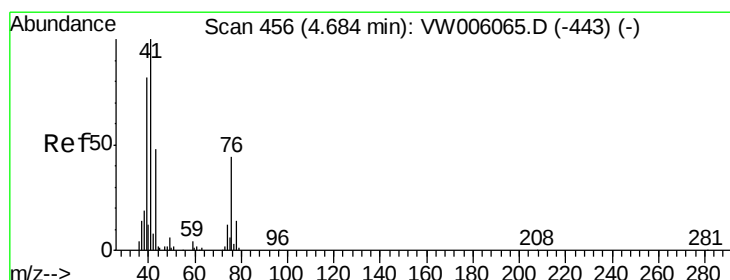
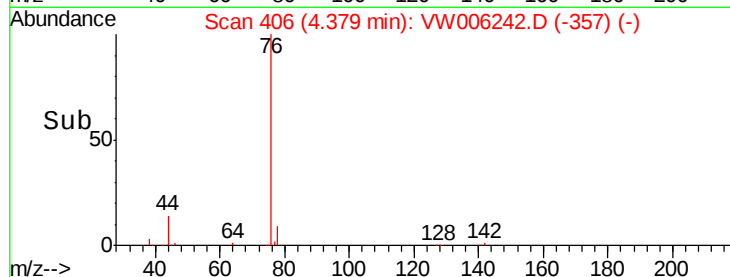
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 55.243 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW006242.D

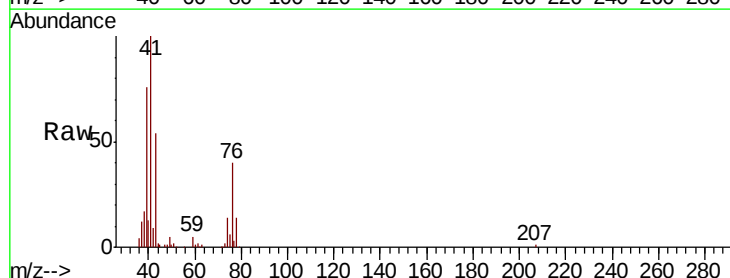
Acq: 19 Oct 2018 23:05

Tgt Ion: 43 Resp: 66011

Ion Ratio Lower Upper

43 100

74 26.9 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

25000

20000

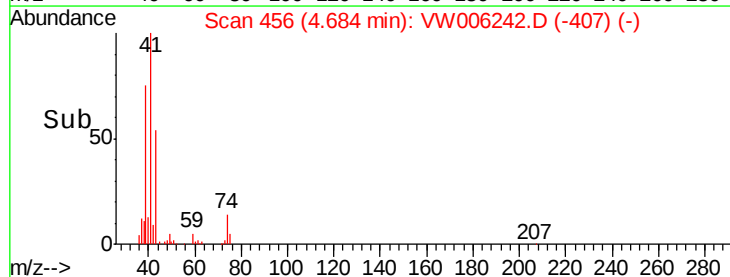
15000

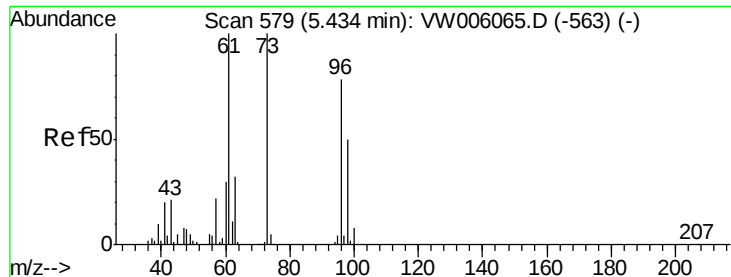
10000

5000

0

Time-->





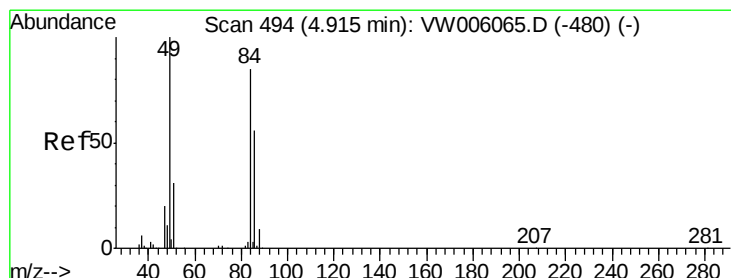
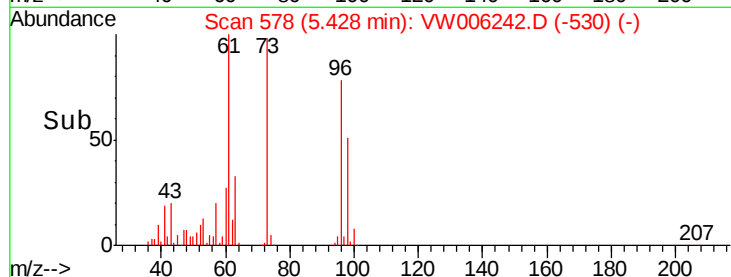
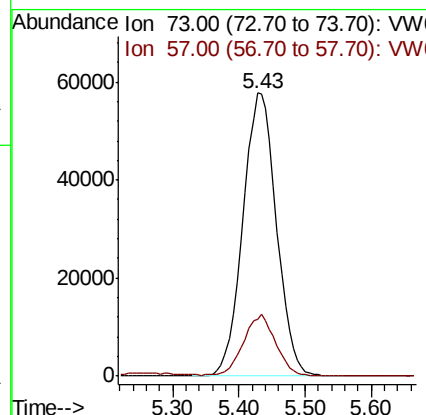
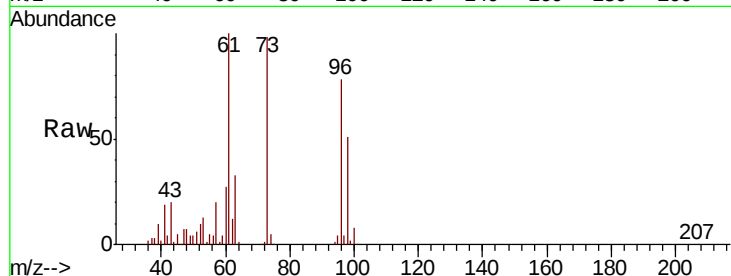
#19
Methyl tert-butyl Ether
Concen: 55.784 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
73	100	203320		
57	20.2	17.4	26.2	

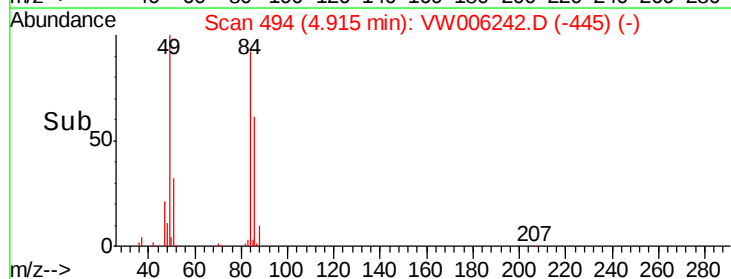
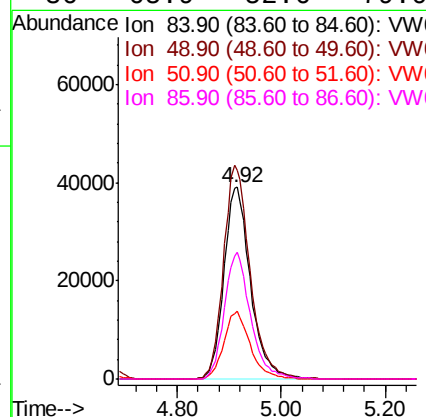
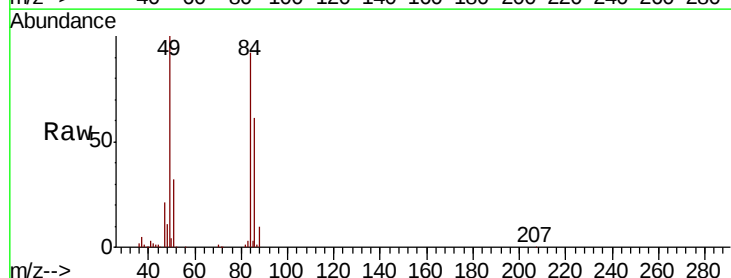
Manual Integrations
APPROVED

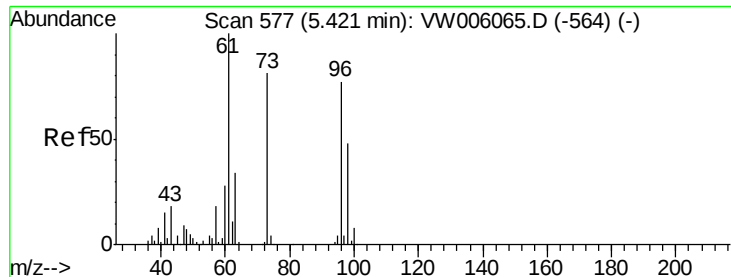
apatel
10/22/2018 12:17:56 PM



#20
Methylene Chloride
Concen: 55.871 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	139891		
49	108.6	93.6	140.4	
51	35.1	29.0	43.4	
86	65.9	52.6	79.0	





#21

trans-1,2-Dichloroethene

Concen: 54.446 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

Instrument :

MSVOA_W

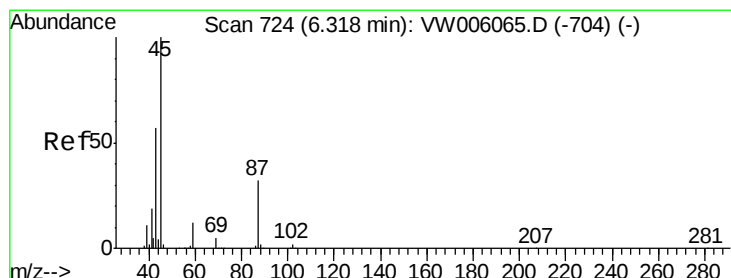
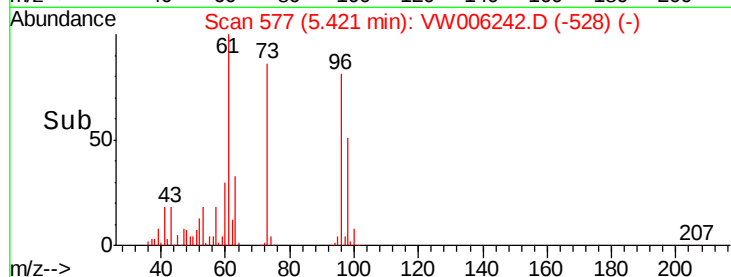
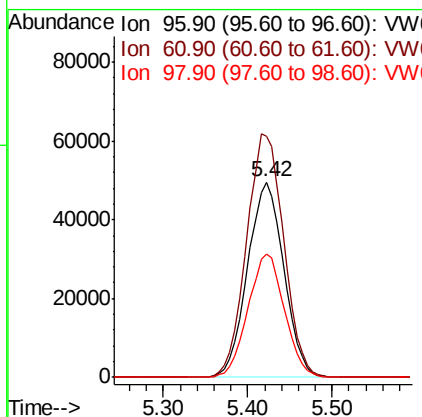
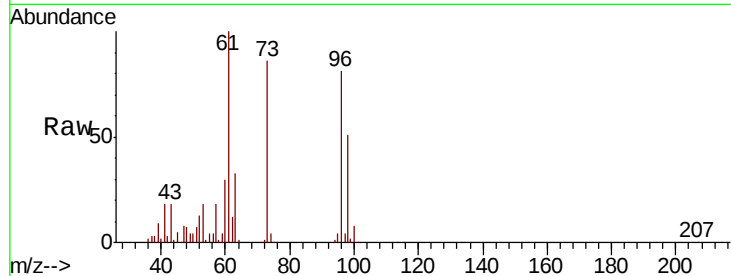
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	145429
Ion	Ratio	Lower	Upper
96	100		
61	123.4	104.5	156.7
98	62.9	50.6	75.8

Manual Integrations
APPROVED

apatel
10/22/2018 12:17:56 PM



#22

Diisopropyl ether

Concen: 54.879 ug/l

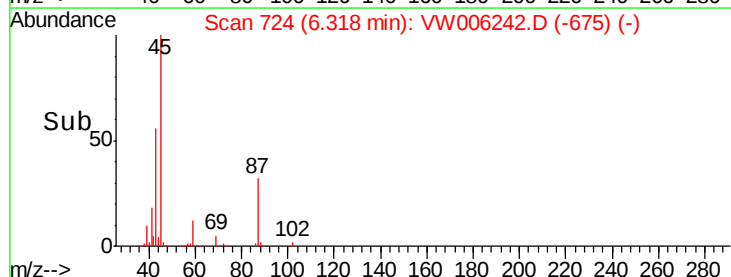
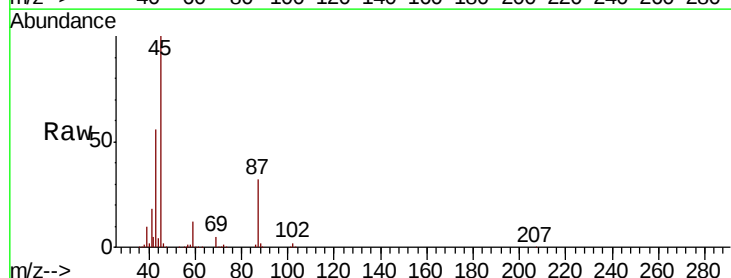
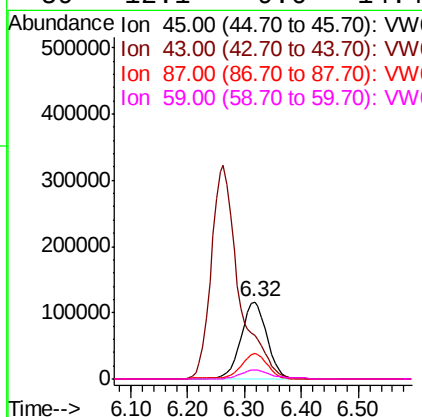
RT: 6.32 min Scan# 724

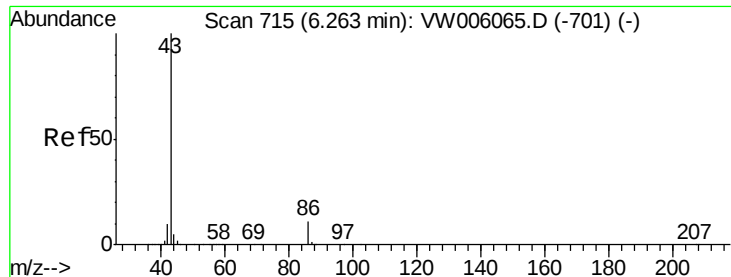
Delta R.T. 0.00 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

Tgt Ion:	45	Resp:	371073
Ion	Ratio	Lower	Upper
45	100		
43	55.3	45.7	68.5
87	32.4	25.9	38.9
59	12.1	9.6	14.4





#23

Vinyl Acetate

Concen: 271.758 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1084419

Ion Ratio Lower Upper

43 100

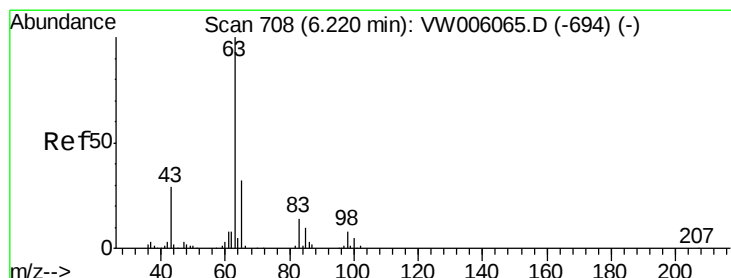
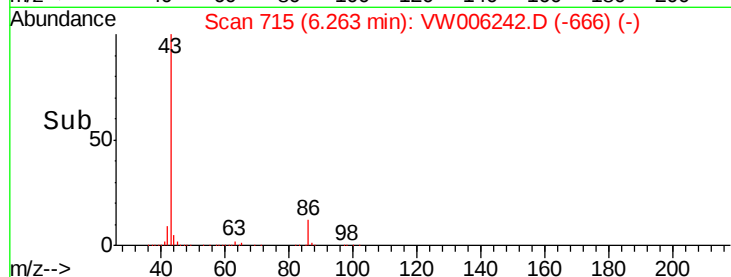
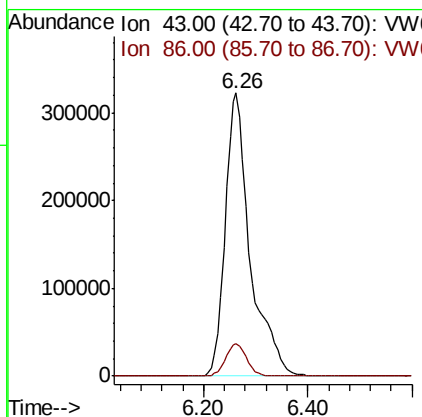
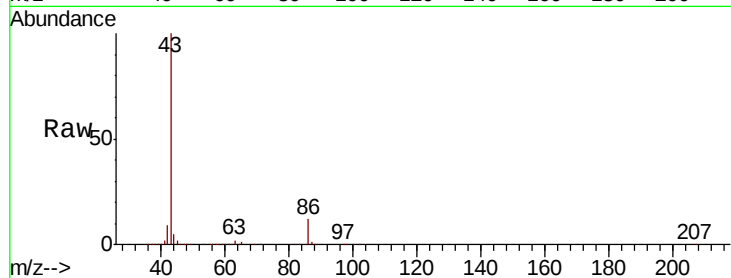
86 11.5 9.0 13.6

Manual Integrations

APPROVED

apatel

10/22/2018 12:17:56 PM



#24

1,1-Dichloroethane

Concen: 55.302 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

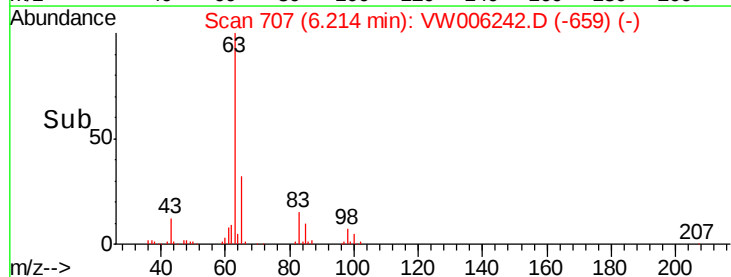
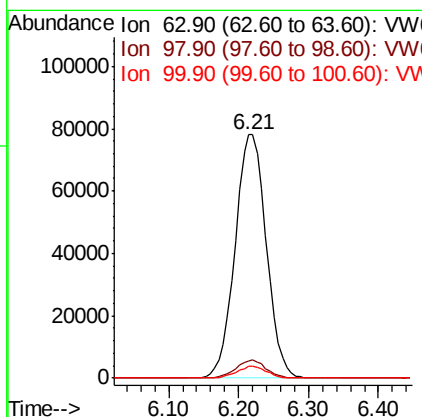
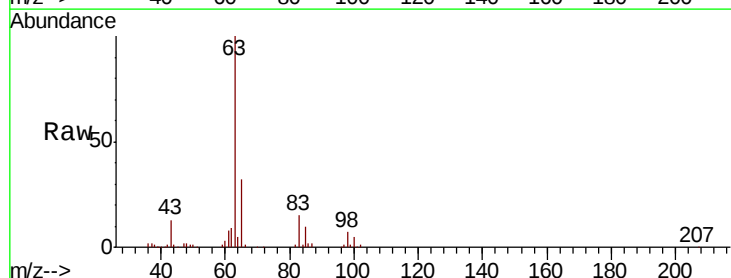
Tgt Ion: 63 Resp: 241281

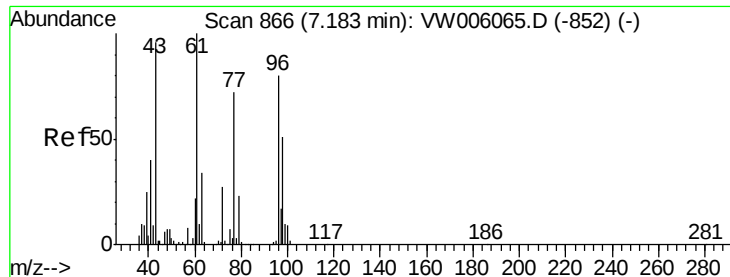
Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.2

100 4.7 2.5 7.5





#25

2-Butanone

Concen: 264.477 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 169650

Ion Ratio Lower Upper

43 100

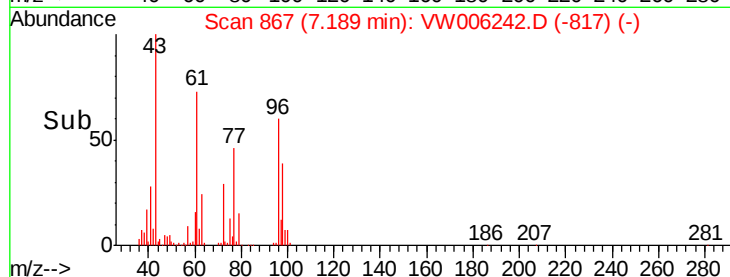
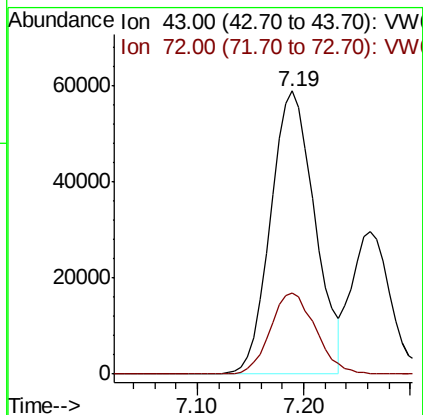
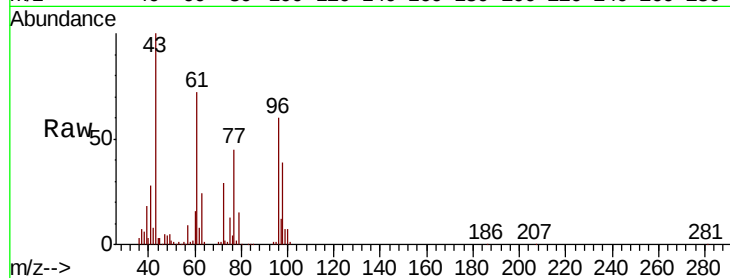
72 28.8 22.8 34.2

Manual Integrations

APPROVED

apatel

10/22/2018 12:17:56 PM



#26

2,2-Dichloropropane

Concen: 45.846 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006242.D

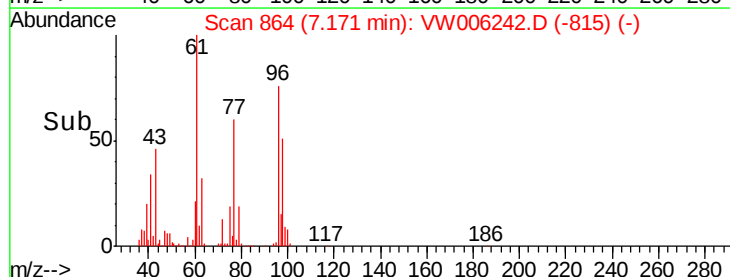
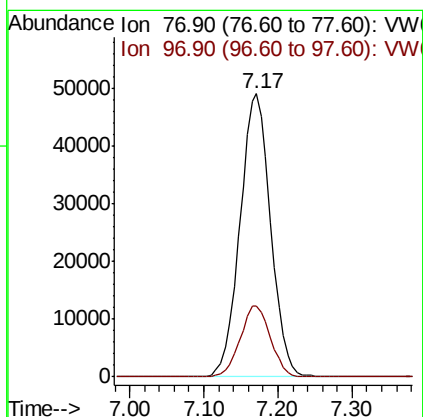
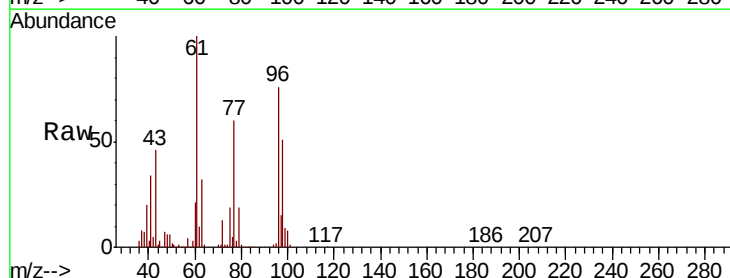
Acq: 19 Oct 2018 23:05

Tgt Ion: 77 Resp: 141078

Ion Ratio Lower Upper

77 100

97 24.9 12.2 36.4





#27

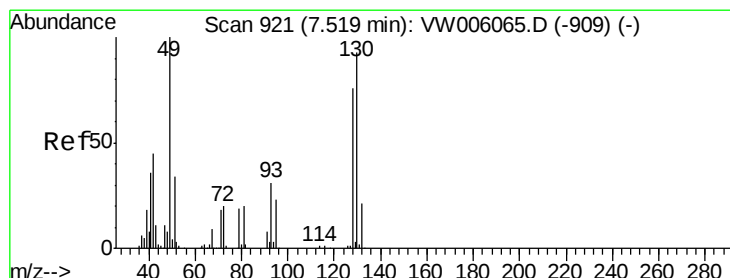
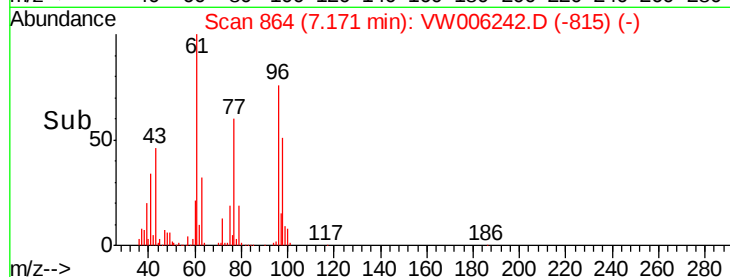
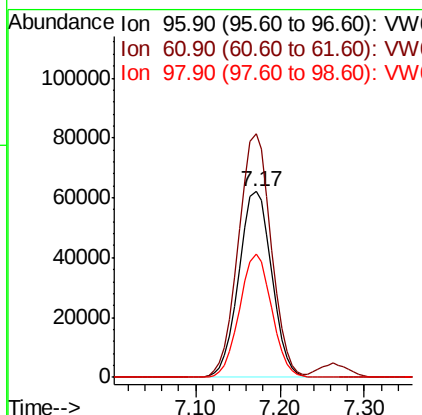
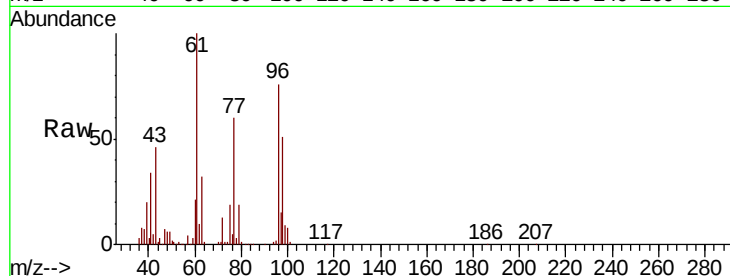
cis-1,2-Dichloroethene
 Concen: 55.763 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW006242.D
 Acq: 19 Oct 2018 23:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.7	0.0	267.2
98	64.7	0.0	128.6

Manual Integrations
 APPROVED

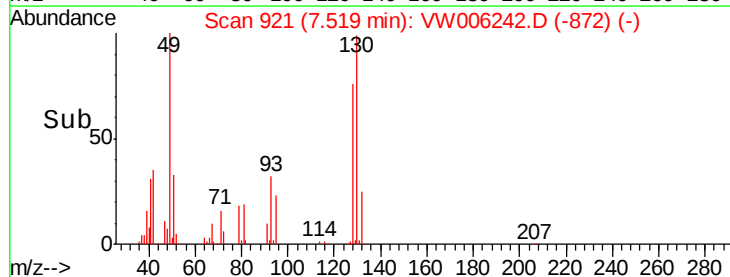
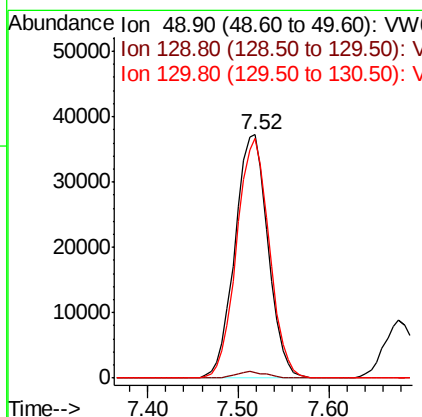
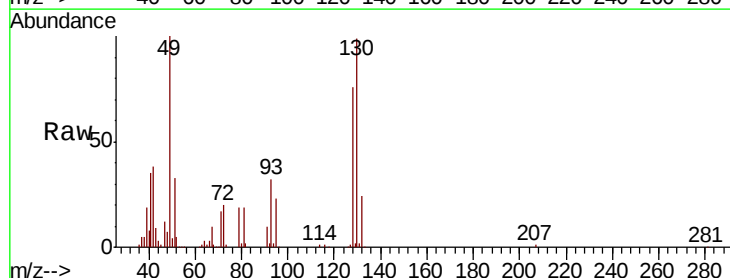
apatel
 10/22/2018 12:17:56 PM



#28

Bromochloromethane
 Concen: 55.998 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW006242.D
 Acq: 19 Oct 2018 23:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.0
130	96.9	73.8	110.8





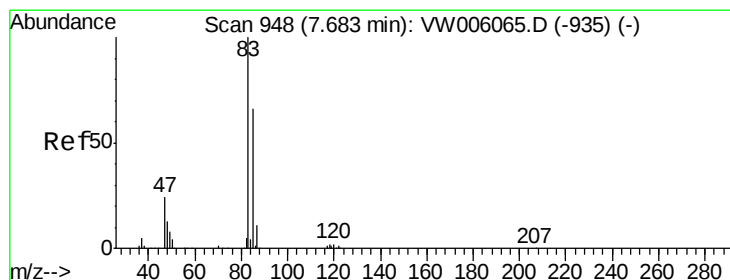
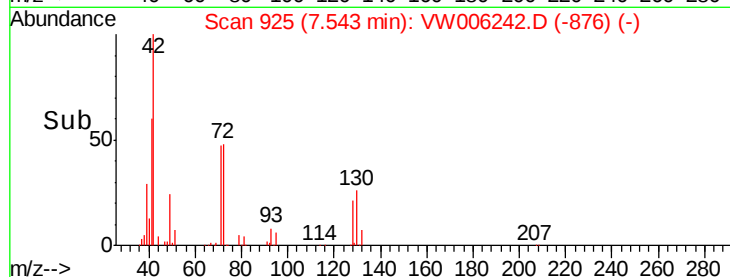
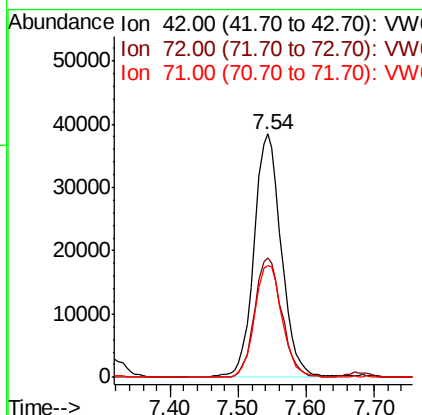
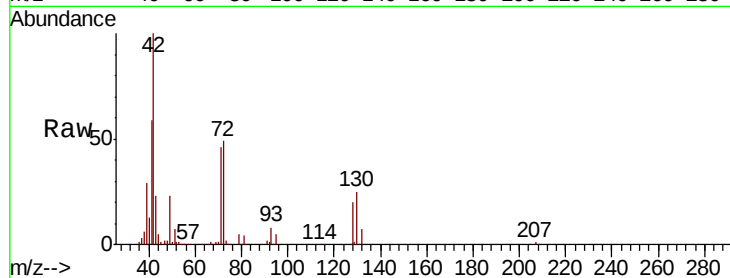
#29
Tetrahydrofuran
Concen: 274.734 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.7	38.0	57.0
71	46.3	35.3	52.9

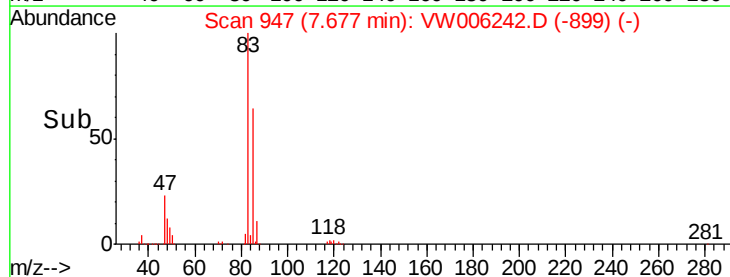
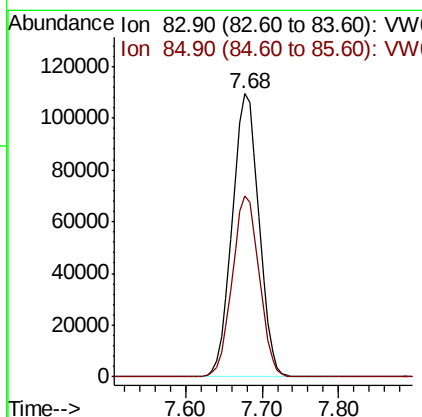
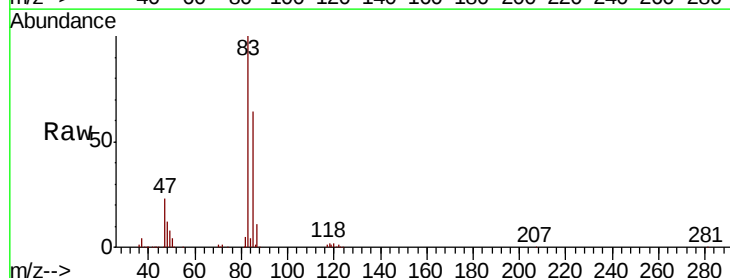
Manual Integrations
APPROVED

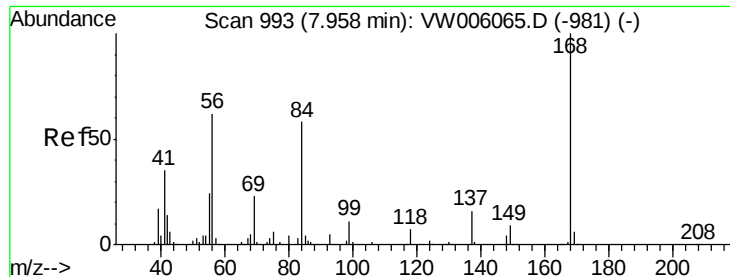
apatel
10/22/2018 12:17:56 PM



#30
Chloroform
Concen: 55.708 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.6	79.0





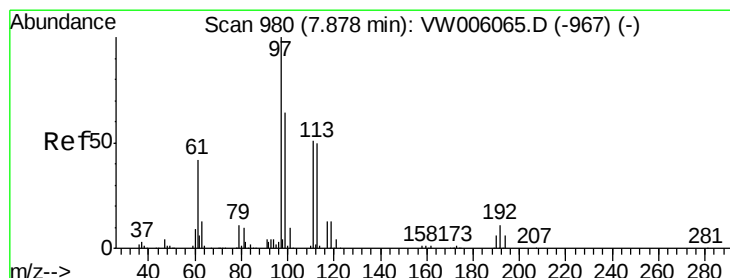
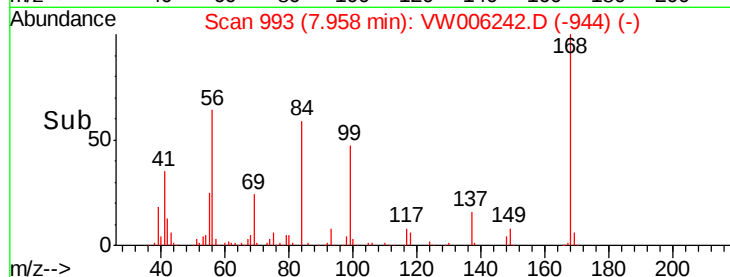
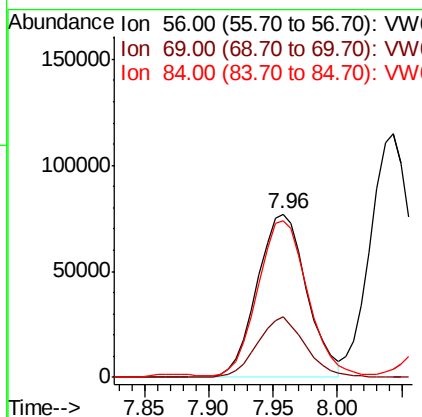
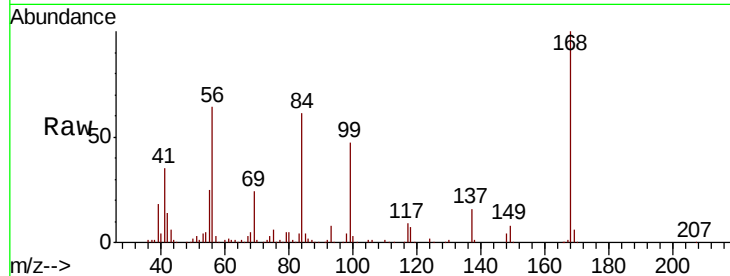
#31
Cyclohexane
Concen: 47.377 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.1	29.4	44.0
84	94.3	74.0	111.0

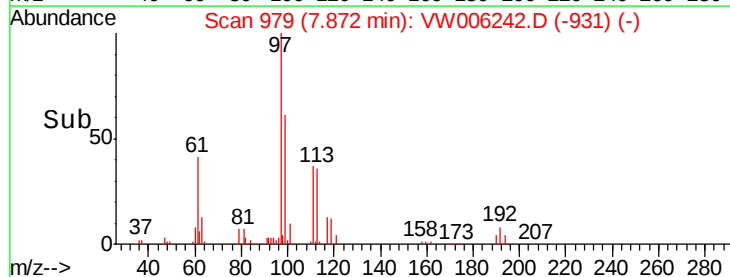
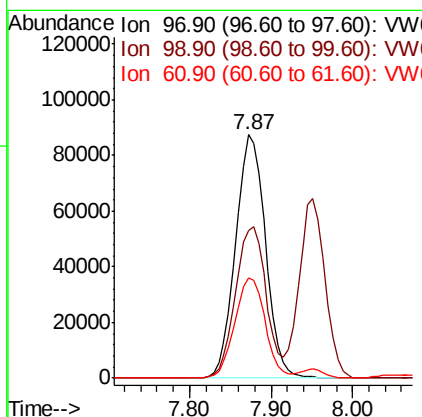
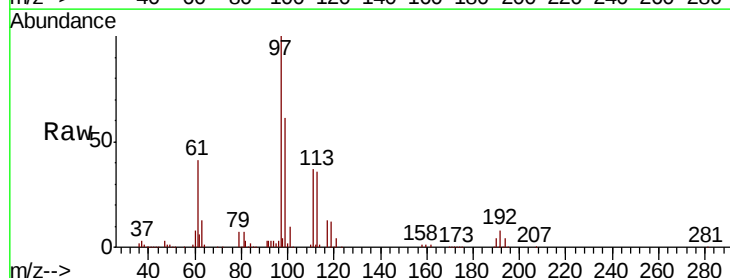
Manual Integrations
APPROVED

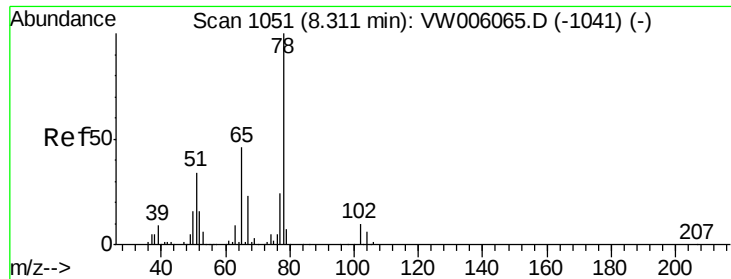
apatel
10/22/2018 12:17:56 PM



#32
1,1,1-Trichloroethane
Concen: 51.843 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.9	76.3
61	41.9	33.7	50.5





#33

1,2-Dichloroethane-d4

Concen: 50.374 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 119611

Ion Ratio Lower Upper

65 100

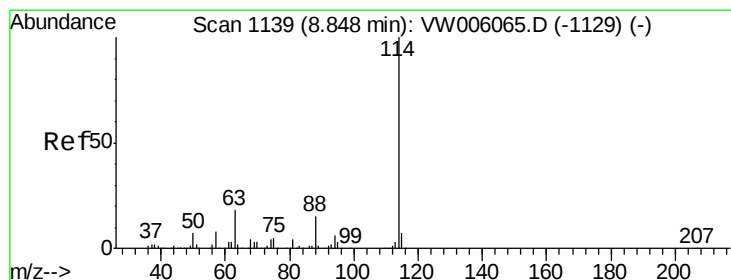
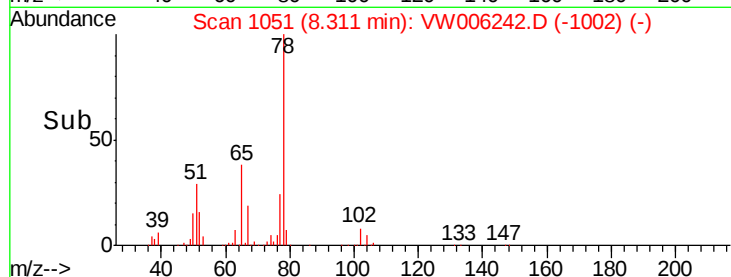
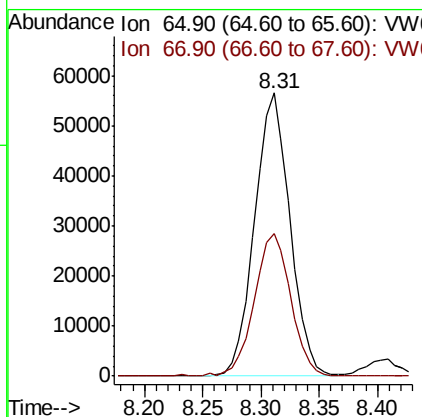
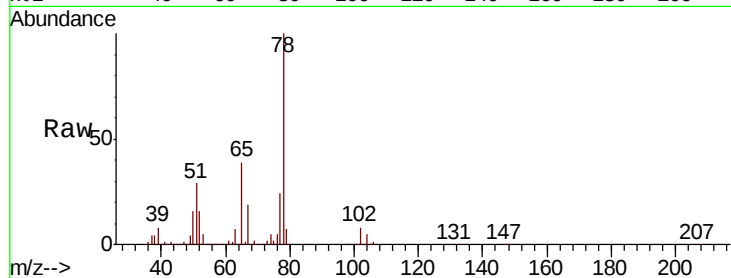
67 51.9 0.0 101.0

Manual Integrations

APPROVED

apatel

10/22/2018 12:17:56 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

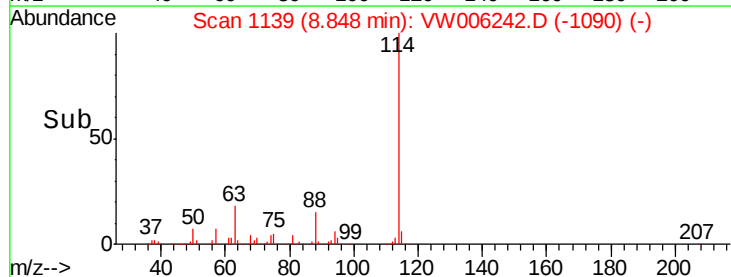
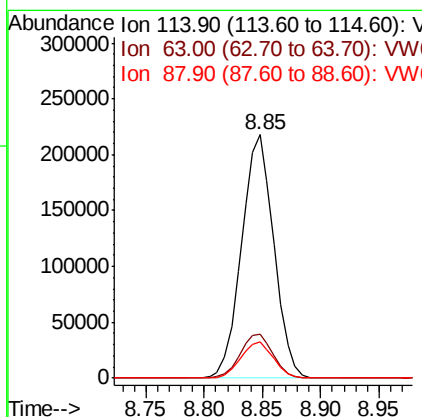
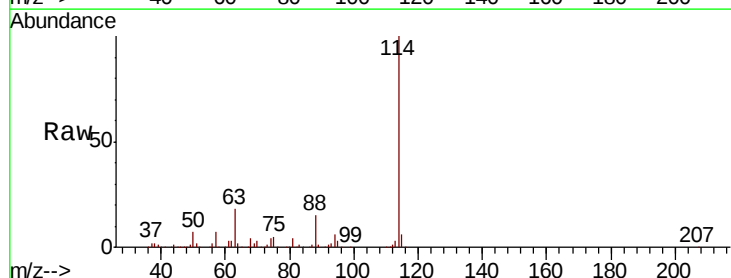
Tgt Ion: 114 Resp: 420806

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.8

88 14.9 0.0 29.0





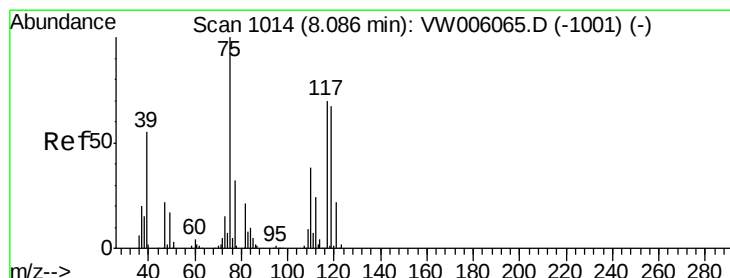
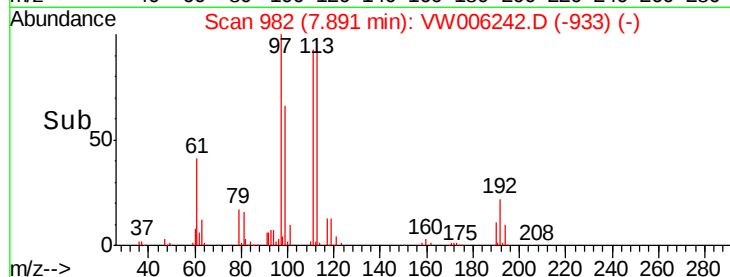
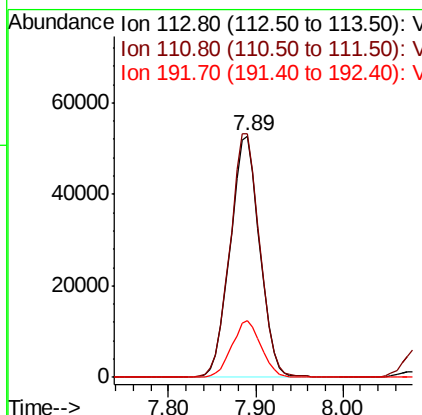
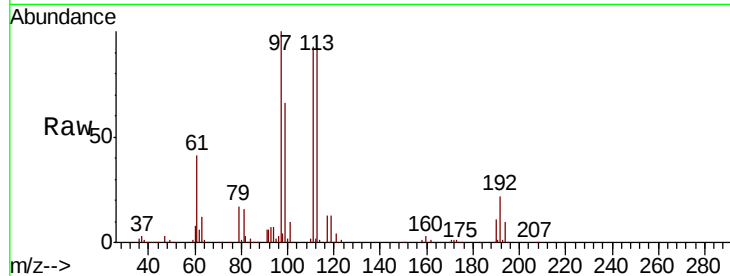
#35
 Dibromofluoromethane
 Concen: 49.759 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006242.D
 Acq: 19 Oct 2018 23:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.4	122.0
192	23.1	18.7	28.1

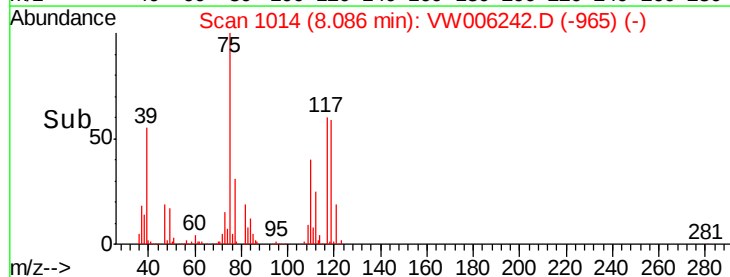
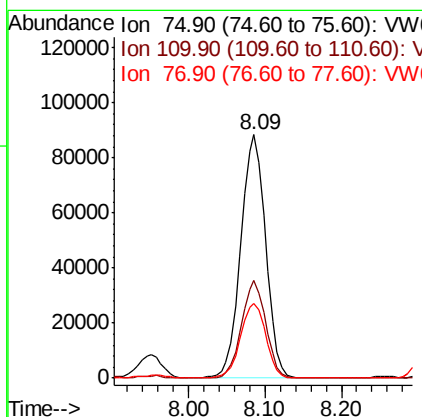
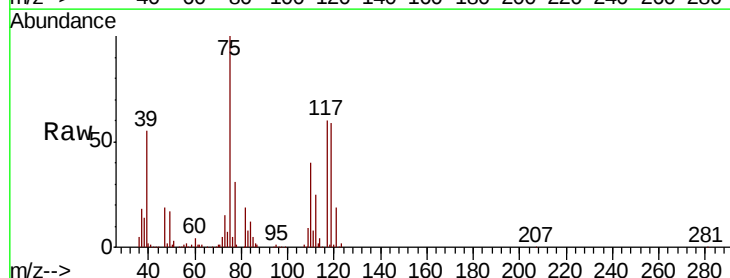
Manual Integrations
 APPROVED

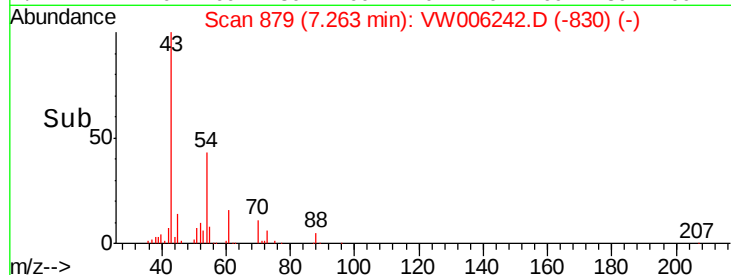
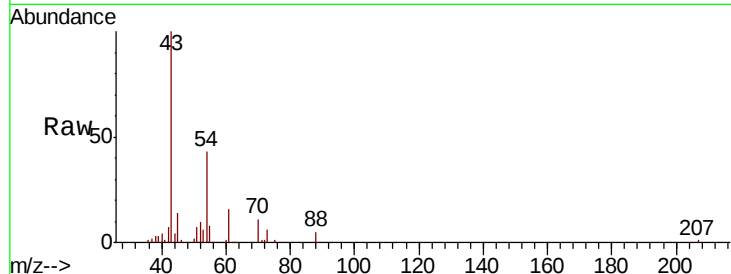
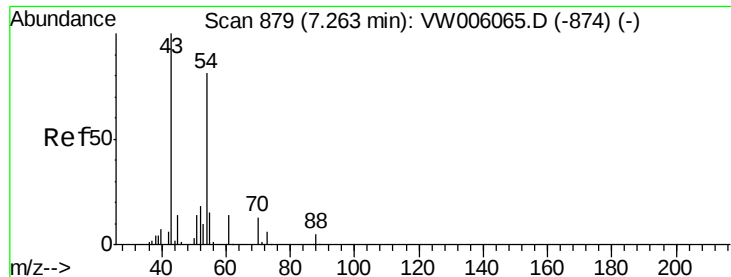
apatel
 10/22/2018 12:17:56 PM



#36
 1,1-Dichloropropene
 Concen: 51.421 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW006242.D
 Acq: 19 Oct 2018 23:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.8	19.1	57.1
77	31.3	25.0	37.4





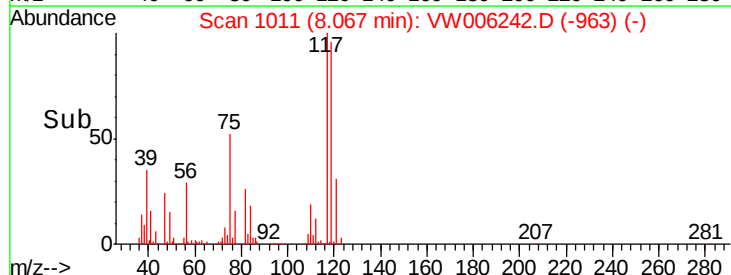
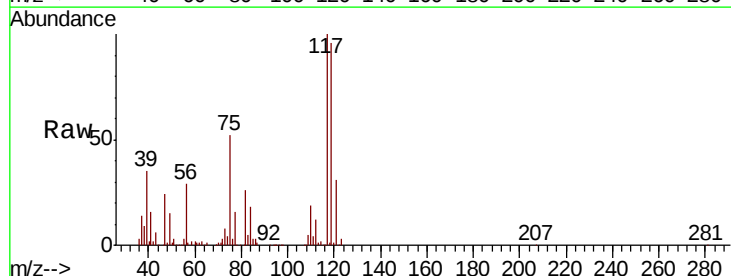
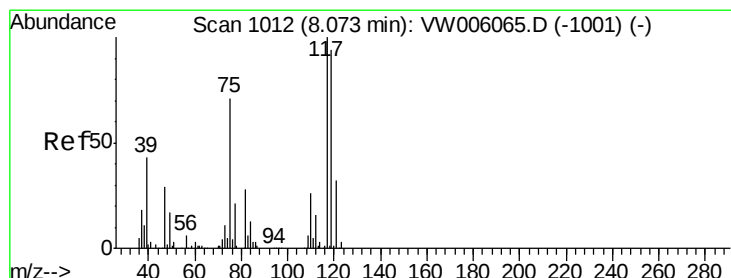
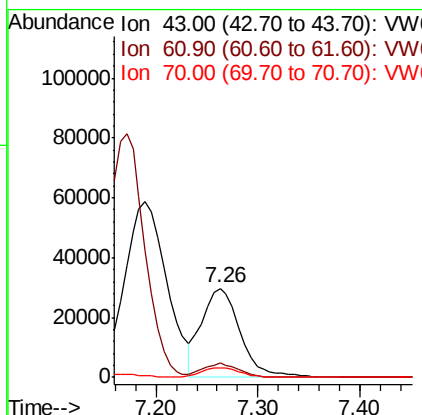
#37
Ethyl Acetate
Concen: 53.768 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.5	17.3
70	11.2	9.2	13.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

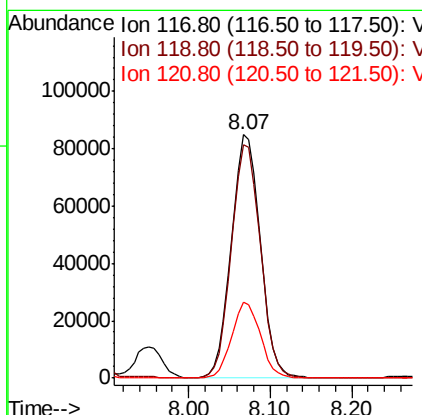
Manual Integrations
APPROVED

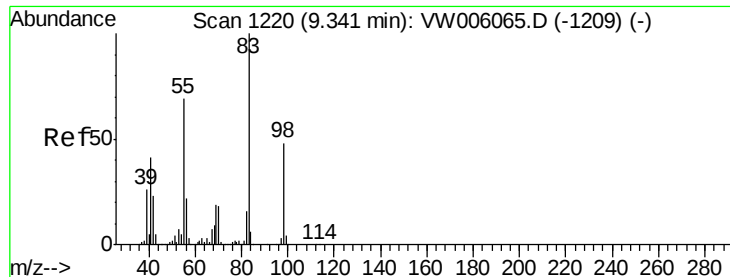
apatel
10/22/2018 12:17:56 PM



#38
Carbon Tetrachloride
Concen: 49.041 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.2	112.8
121	31.1	25.3	37.9





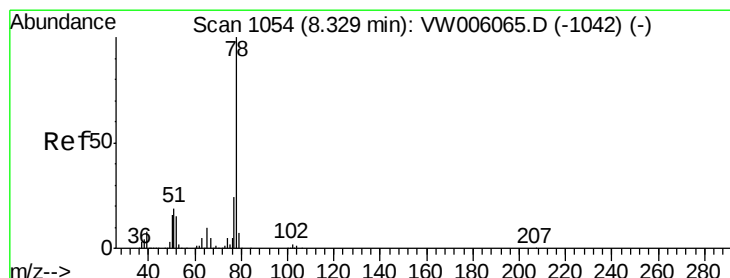
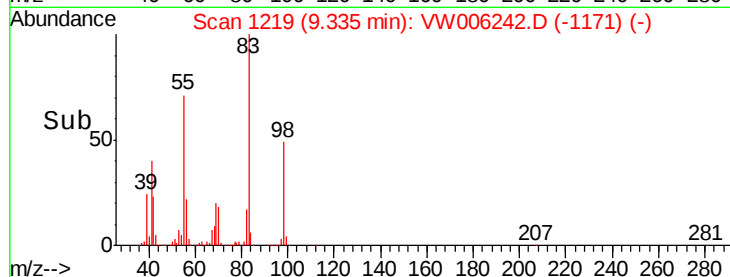
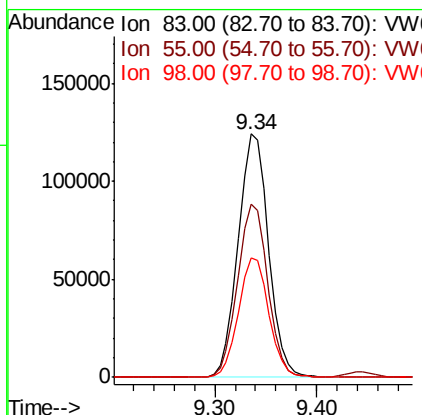
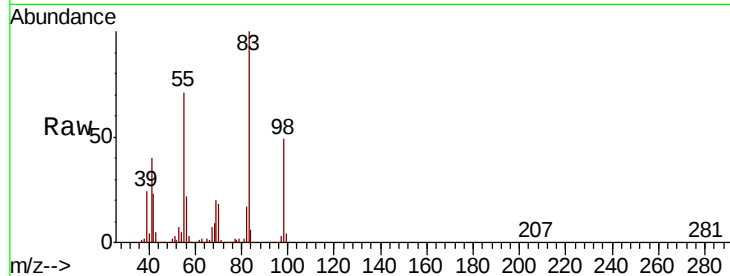
#39
Methvlcvclohexane
Concen: 49.942 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.0	55.0	82.6
98	48.8	38.6	57.8

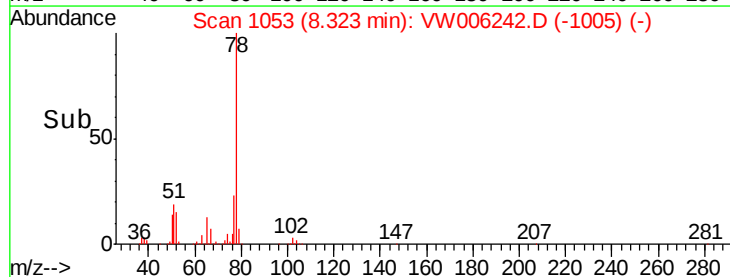
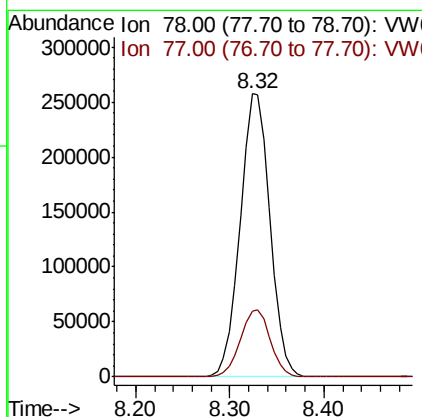
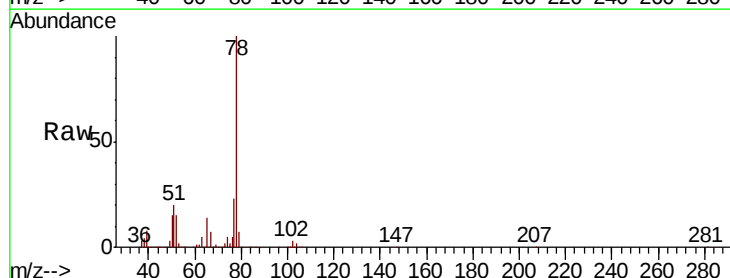
Manual Integrations
APPROVED

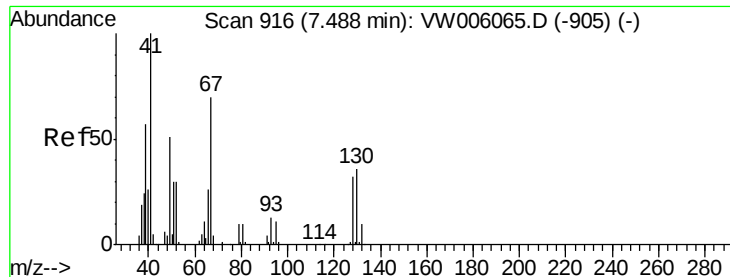
apatel
10/22/2018 12:17:56 PM



#40
Benzene
Concen: 53.527 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.4	29.0





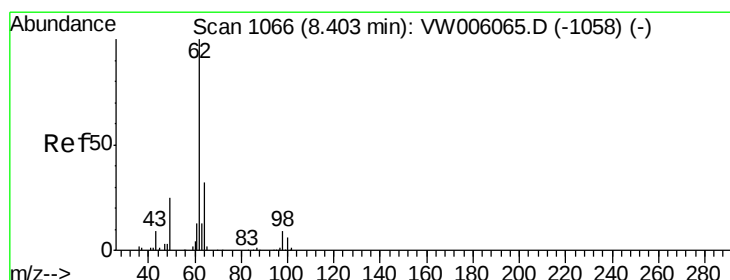
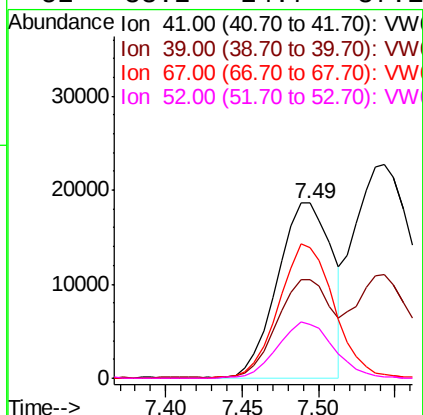
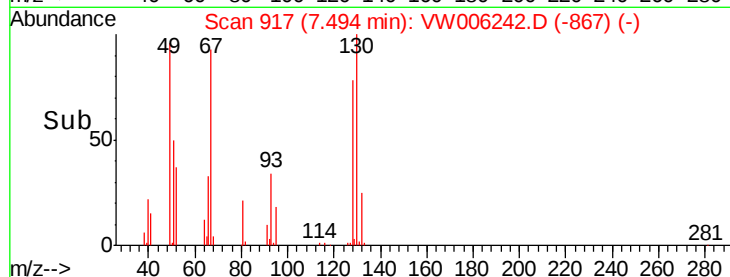
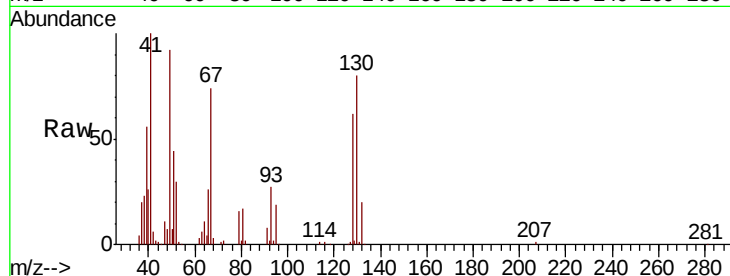
#41
Methacrylonitrile
Concen: 53.364 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.5	46.2	69.4	
67	77.7	57.7	86.5	
52	33.2	24.7	37.1	

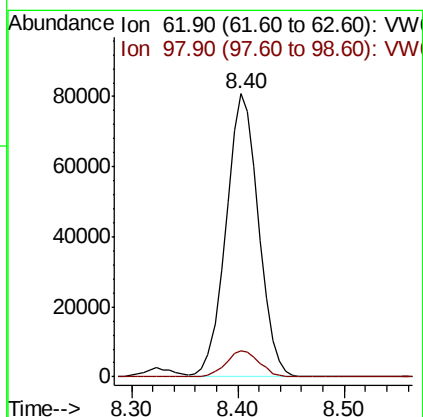
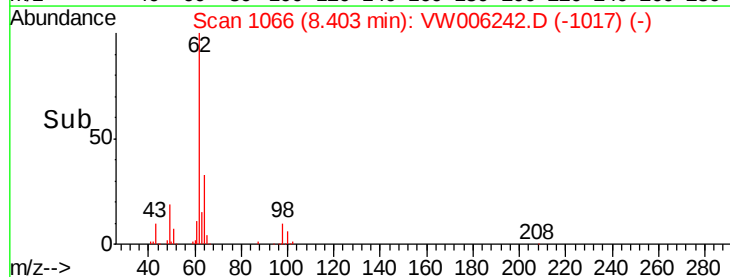
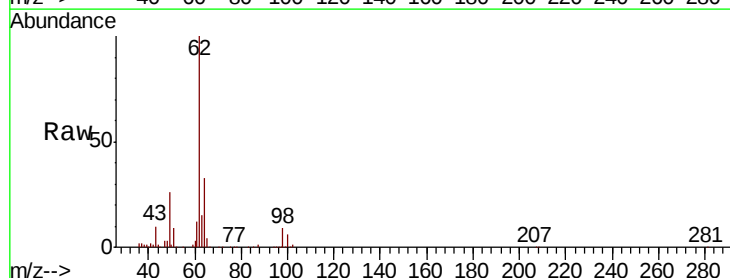
Manual Integrations
APPROVED

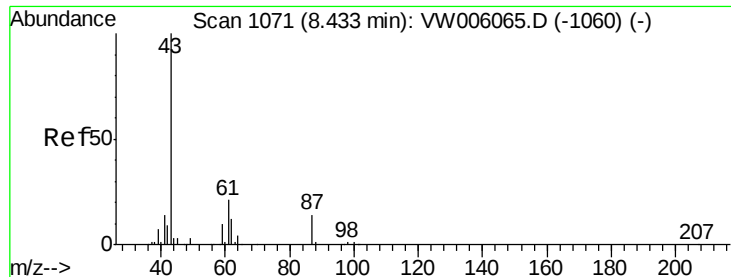
apatel
10/22/2018 12:17:56 PM



#42
1,2-Dichloroethane
Concen: 55.178 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	18.4	





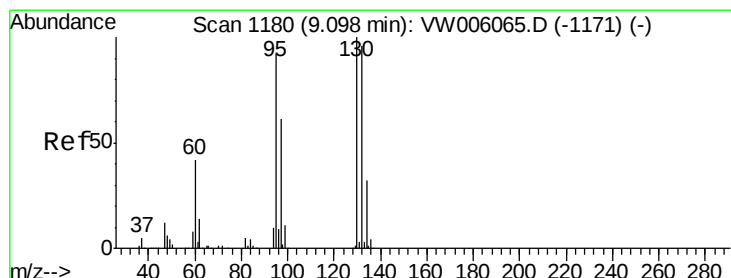
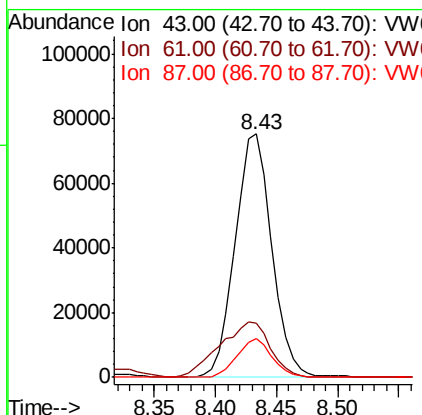
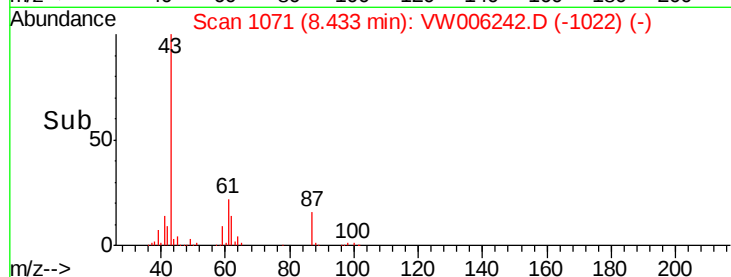
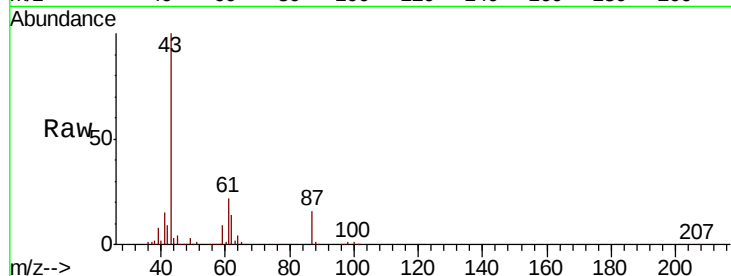
#43
Isopropyl Acetate
Concen: 52.812 ug/l
RT: 8.43 min Scan# 1071
Delta R.T. 0.00 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.7	25.5	38.3
87	15.2	11.7	17.5

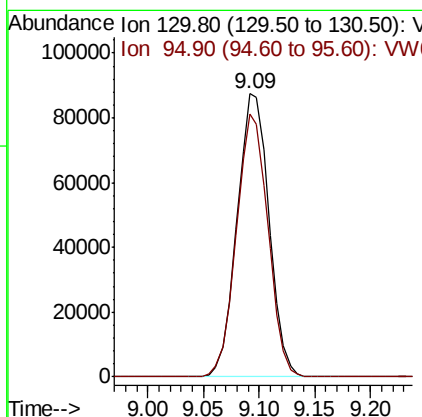
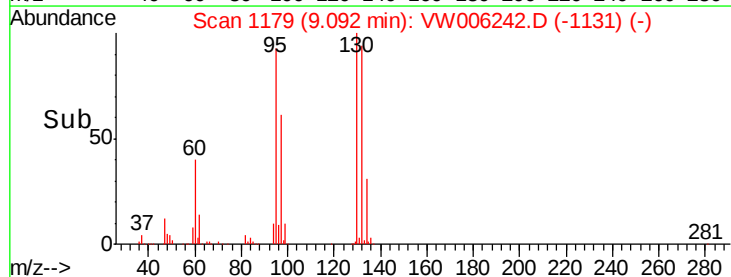
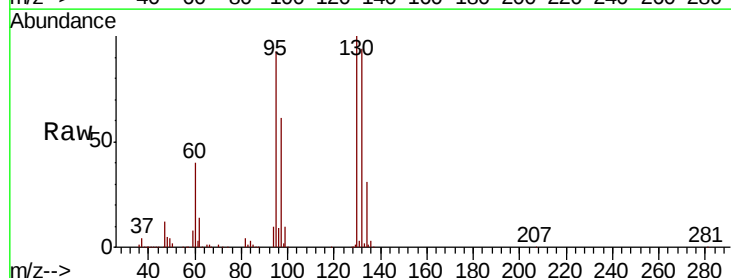
Manual Integrations
APPROVED

apatel
10/22/2018 12:17:56 PM



#44
Trichloroethene
Concen: 53.448 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.01 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.8	0.0	183.2





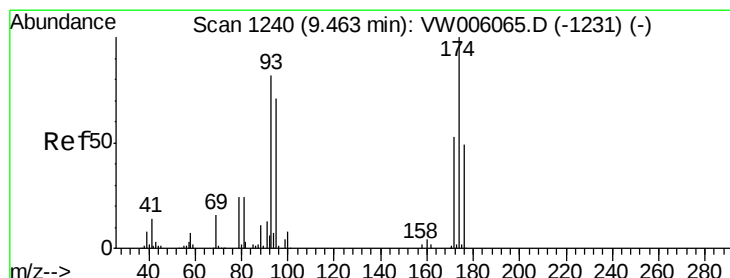
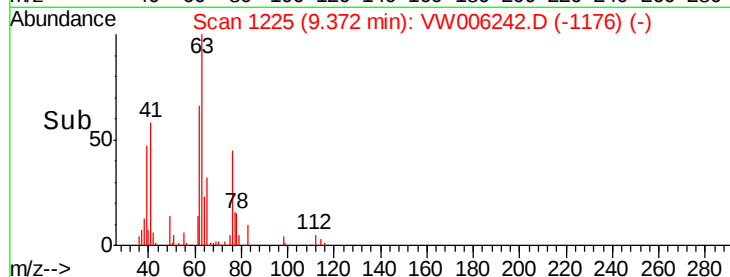
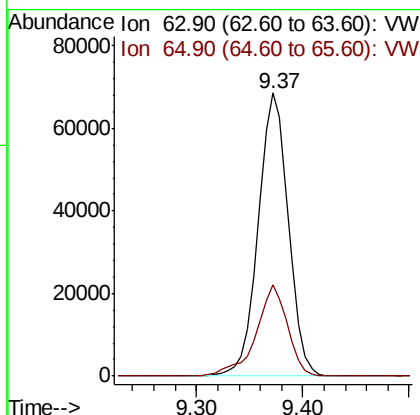
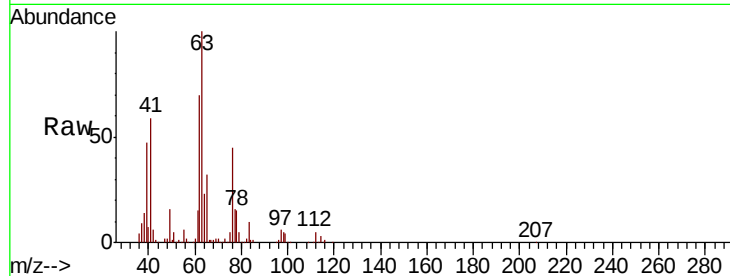
#45
 1,2-Dichloropropane
 Concen: 53.334 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006242.D
 Acq: 19 Oct 2018 23:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.4	38.0

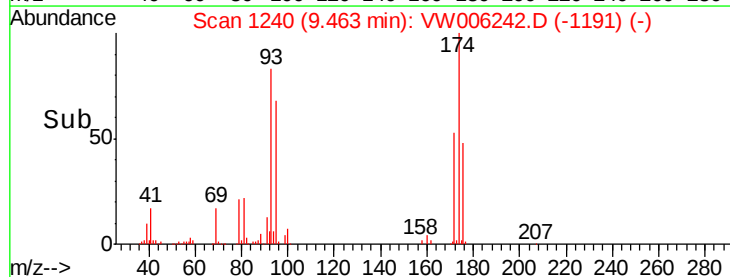
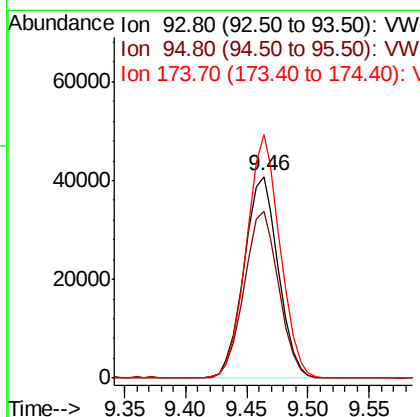
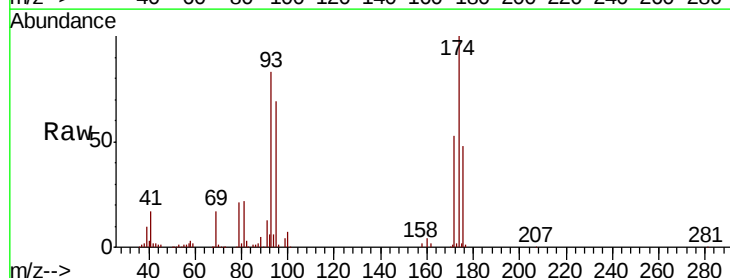
Manual Integrations
 APPROVED

apatel
 10/22/2018 12:17:56 PM



#46
 Dibromomethane
 Concen: 54.763 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006242.D
 Acq: 19 Oct 2018 23:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	67.7	101.5
174	118.3	93.7	140.5





#47

Bromodichloromethane

Concen: 52.516 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

Instrument :

MSVOA_W

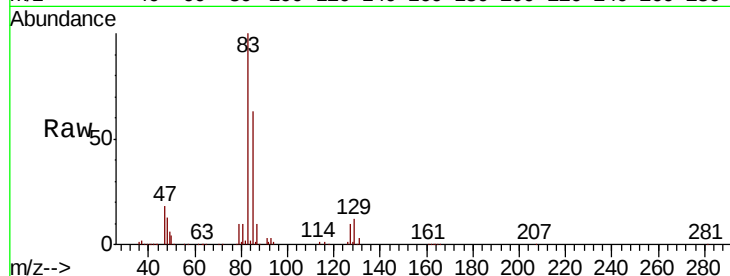
ClientSampleId :

VSTDCCC050EC

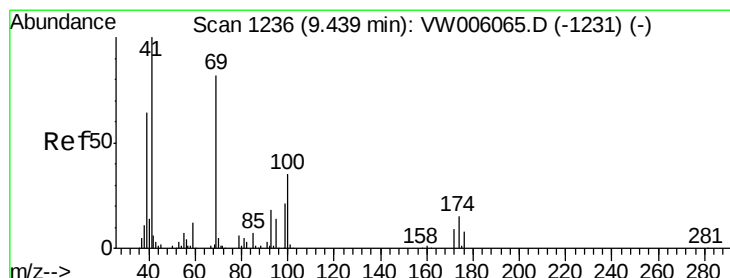
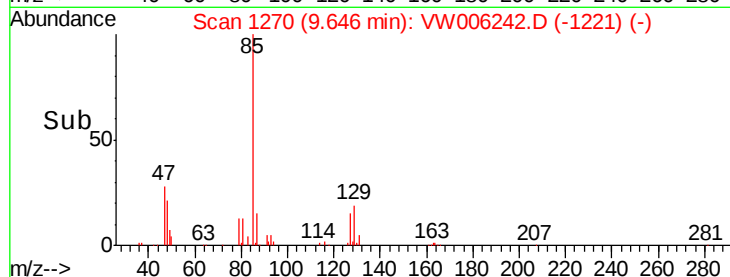
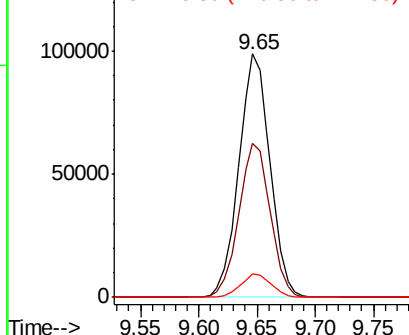
Tot Ion:	83	Resp:	184754
Ion Ratio	Lower	Upper	
83	100		
85	63.2	51.8	77.8
127	9.6	6.9	10.3

Manual Integrations
APPROVED

apatel
10/22/2018 12:17:56 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: 54.642 ug/l

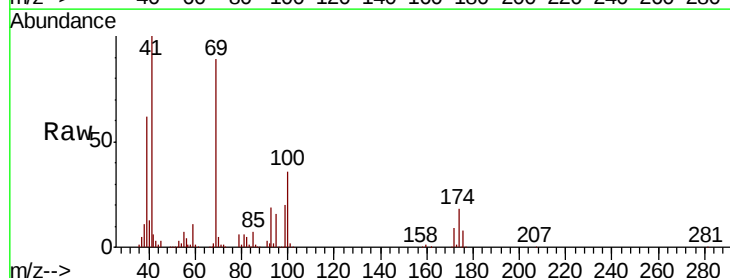
RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

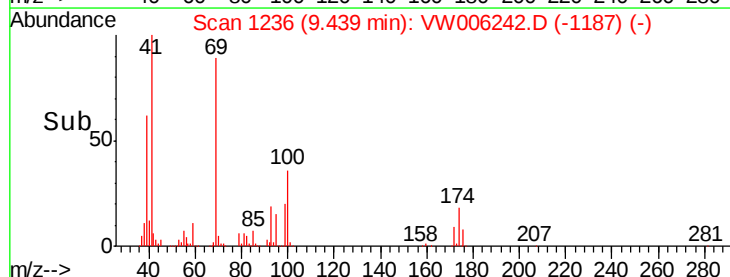
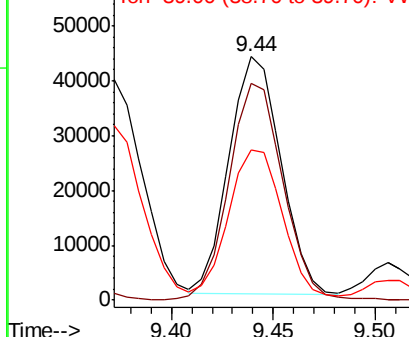
Lab File: VW006242.D

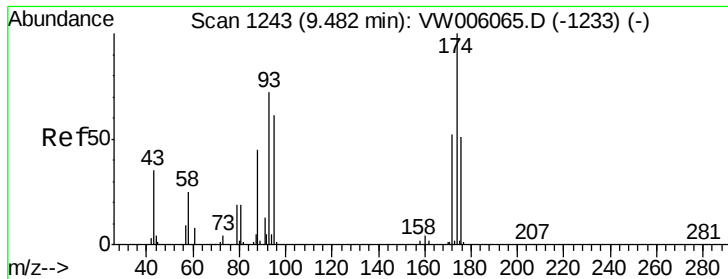
Acq: 19 Oct 2018 23:05

Tgt Ion:	41	Resp:	76317
Ion Ratio	Lower	Upper	
41	100		
69	95.0	71.8	107.8
39	63.2	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: 1175.584 ug/l

RT: 9.50 min Scan# 1246

Delta R.T. 0.02 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

Instrument :

MSVOA_W

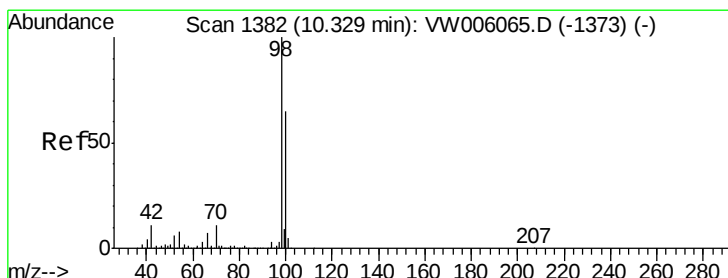
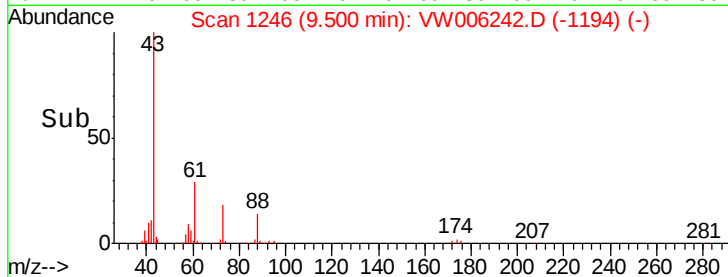
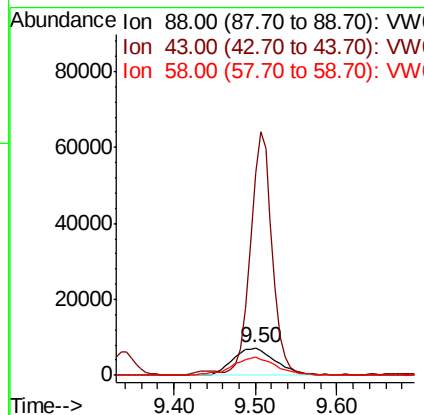
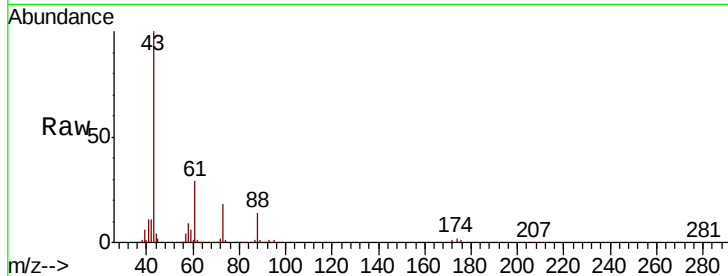
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	451.6	0.0	0.0#
58	66.3	51.2	76.8

Manual Integrations
APPROVED

apatel
10/22/2018 12:17:56 PM



#50

Toluene-d8

Concen: 47.883 ug/l

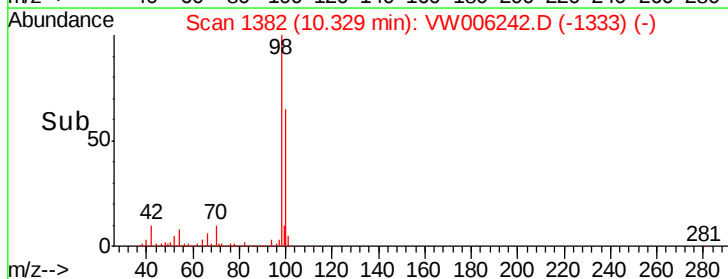
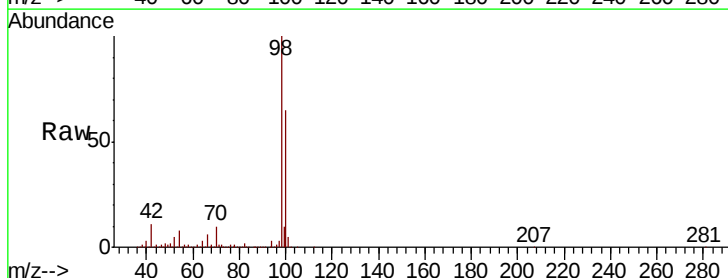
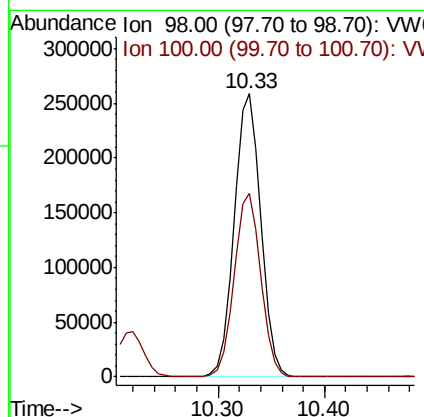
RT: 10.33 min Scan# 1382

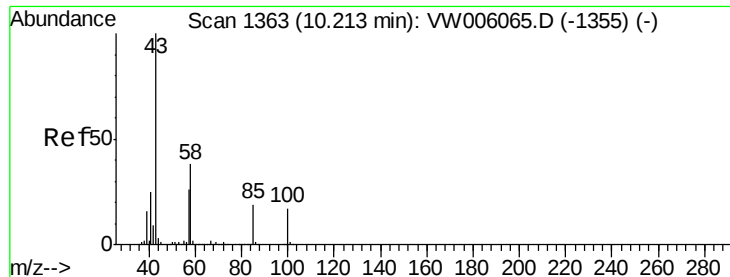
Delta R.T. 0.00 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 269.023 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 397157

Ion Ratio Lower Upper

43 100

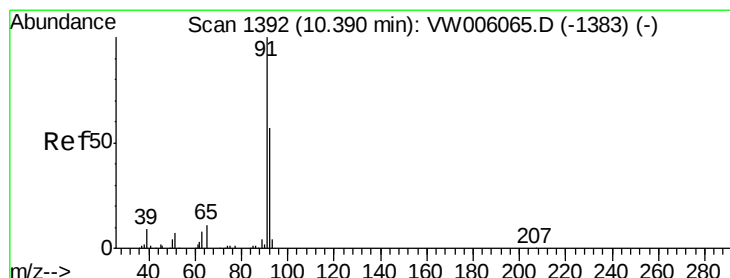
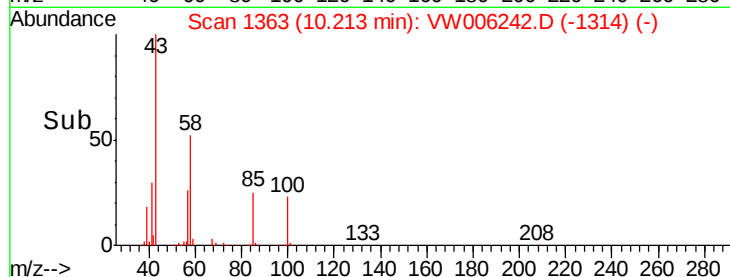
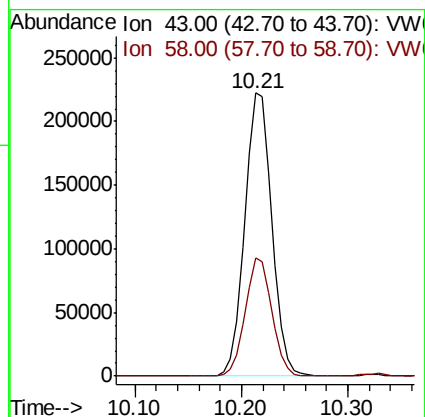
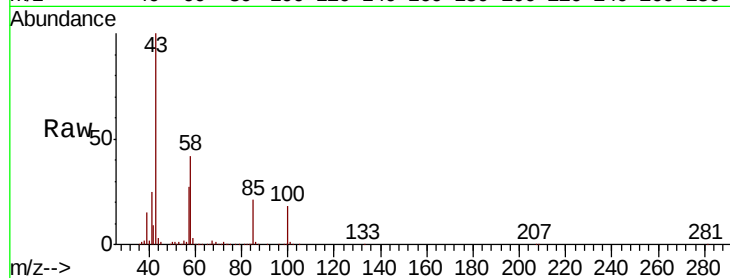
58 40.9 31.5 47.3

Manual Integrations

APPROVED

apatel

10/22/2018 12:17:56 PM



#52

Toluene

Concen: 52.814 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006242.D

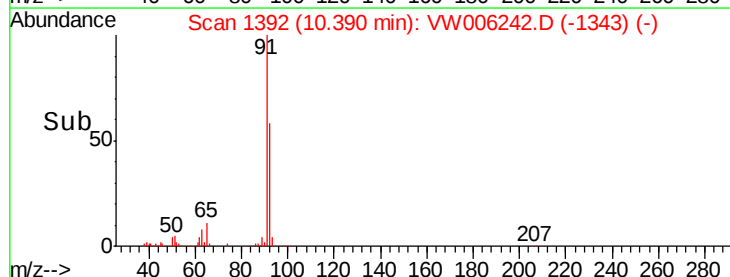
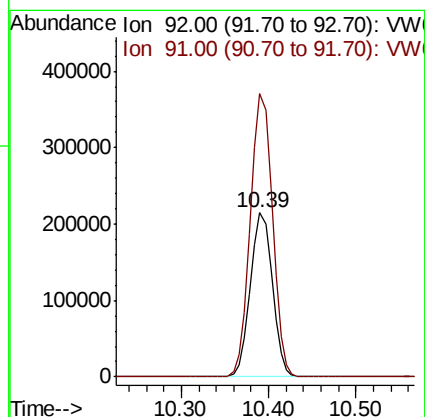
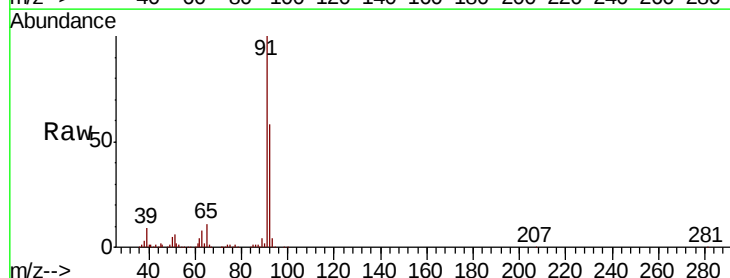
Acq: 19 Oct 2018 23:05

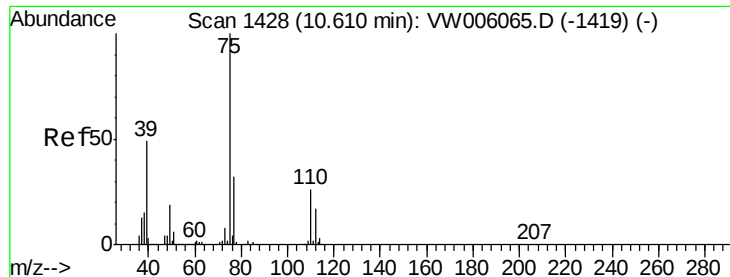
Tgt Ion: 92 Resp: 376721

Ion Ratio Lower Upper

92 100

91 173.5 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 52.127 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 182711

Ion Ratio Lower Upper

75 100

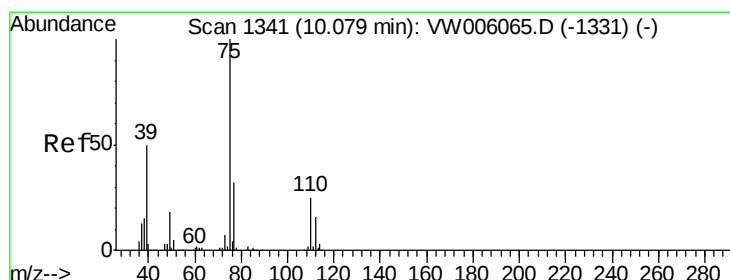
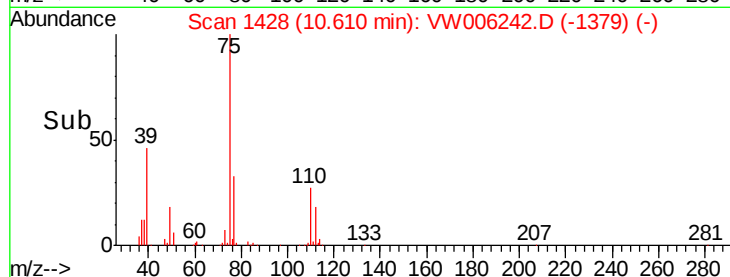
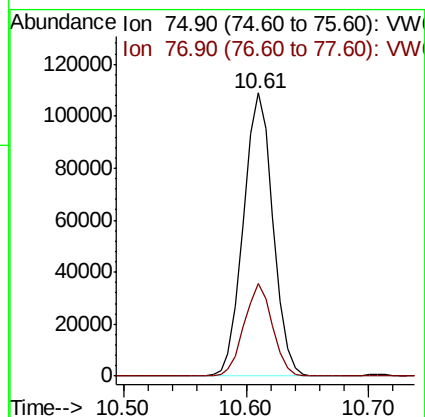
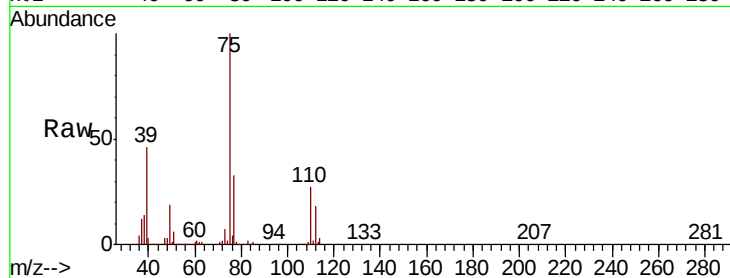
77 32.7 25.4 38.2

Manual Integrations

APPROVED

apatel

10/22/2018 12:17:56 PM



#54

cis-1,3-Dichloropropene

Concen: 52.248 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

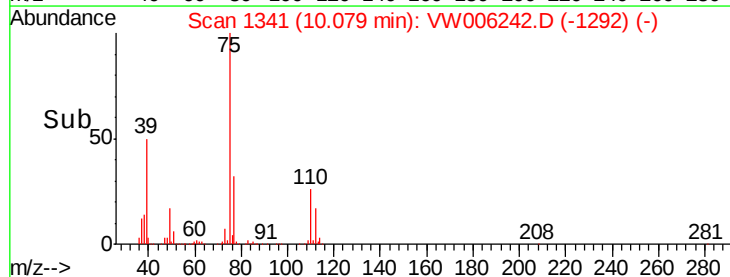
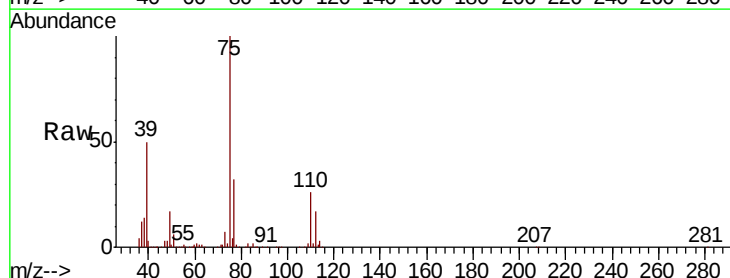
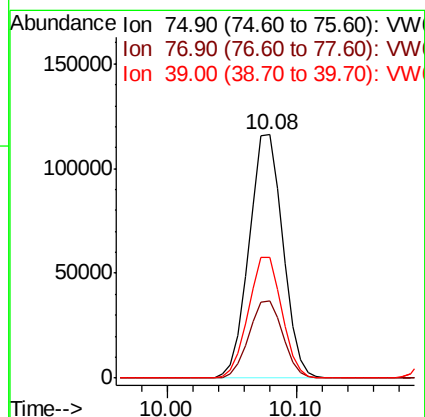
Tgt Ion: 75 Resp: 210184

Ion Ratio Lower Upper

75 100

77 31.6 25.2 37.8

39 49.6 39.9 59.9





#55

1,1,2-Trichloroethane

Concen: 55.533 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

Instrument :

MSVOA_W

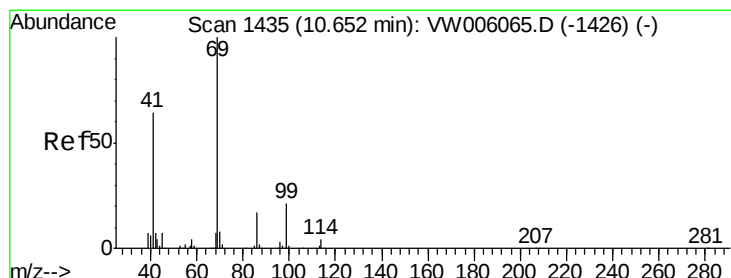
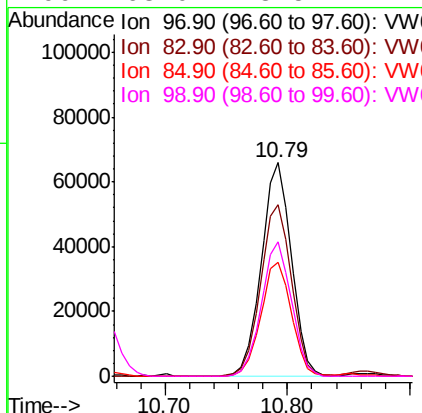
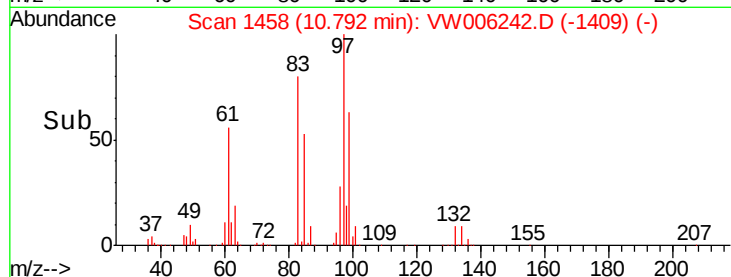
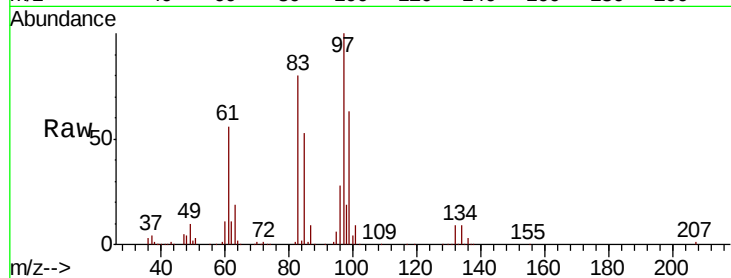
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	112767
Ion	Ratio	Lower	Upper
97	100		
83	80.3	67.2	100.8
85	53.1	43.7	65.5
99	63.0	48.5	72.7

Manual Integrations
APPROVED

apatel
10/22/2018 12:17:56 PM



#56

Ethyl methacrylate

Concen: 56.107 ug/l

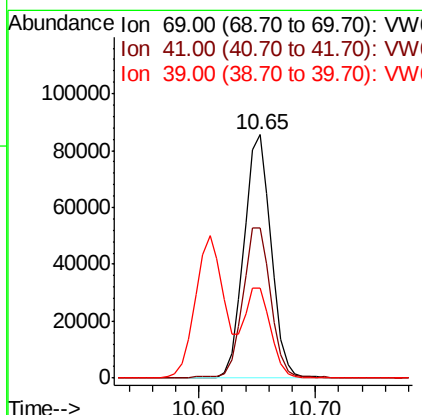
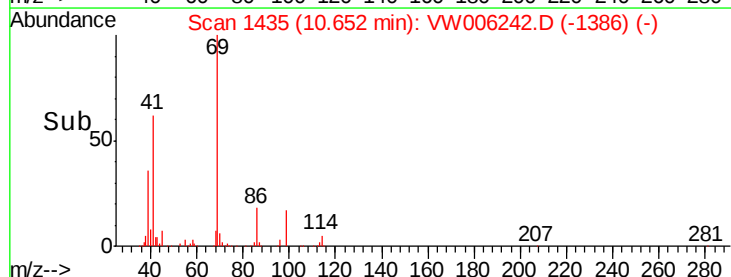
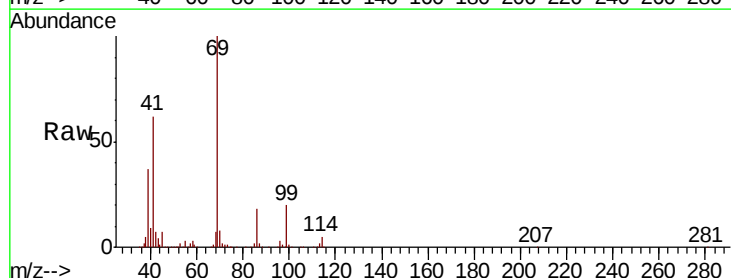
RT: 10.65 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

Tgt Ion:	69	Resp:	139671
Ion	Ratio	Lower	Upper
69	100		
41	63.5	52.8	79.2
39	33.8	30.6	45.8





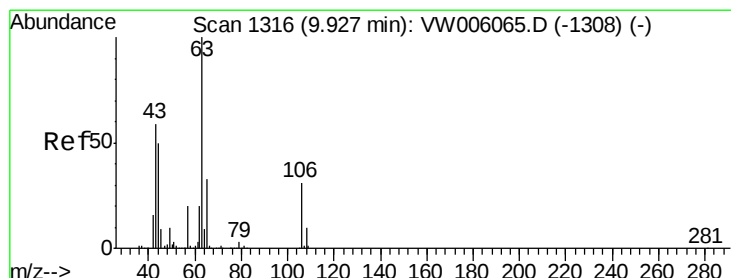
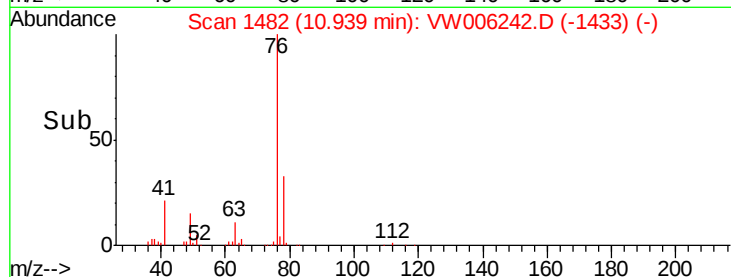
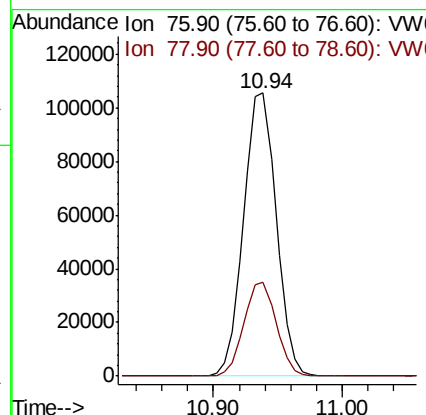
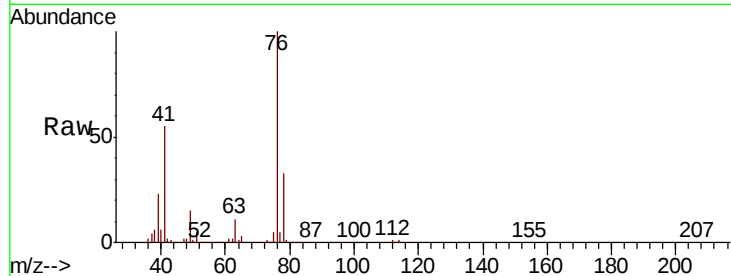
#57
 1,3-Dichloropropane
 Concen: 54.951 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. 0.00 min
 Lab File: VW006242.D
 Acq: 19 Oct 2018 23:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.9	38.9

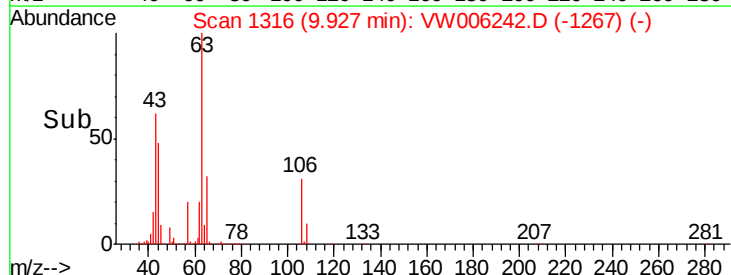
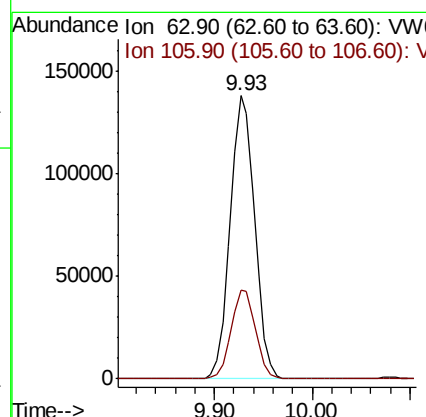
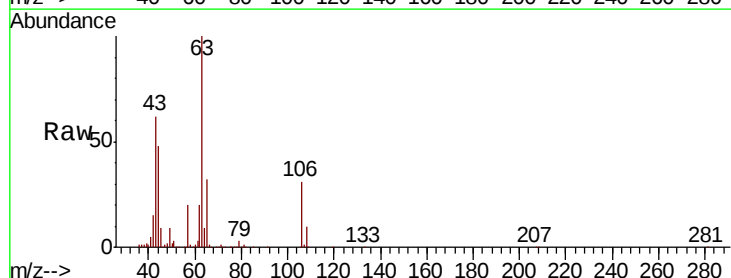
Manual Integrations
 APPROVED

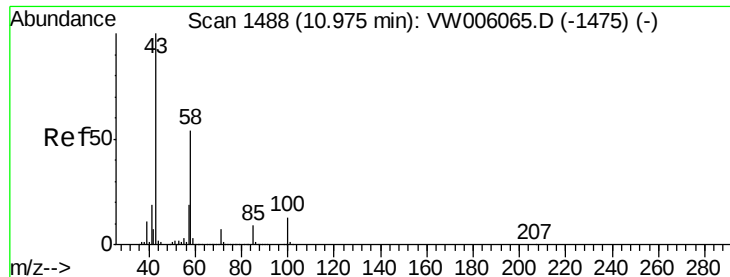
apatel
 10/22/2018 12:17:56 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.881 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006242.D
 Acq: 19 Oct 2018 23:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.3	24.5	36.7





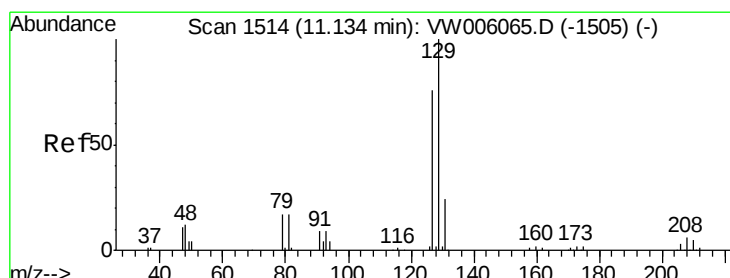
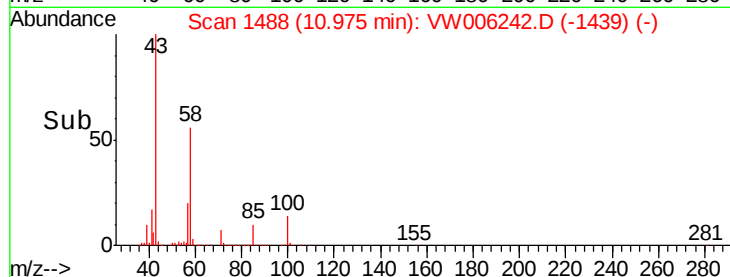
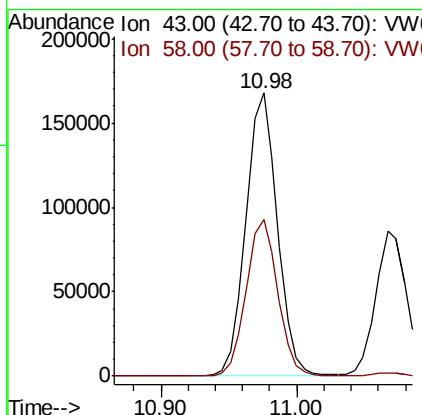
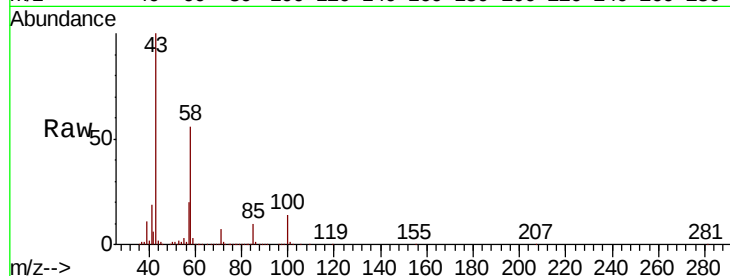
#59
2-Hexanone
Concen: 258.100 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.6	26.9	80.6

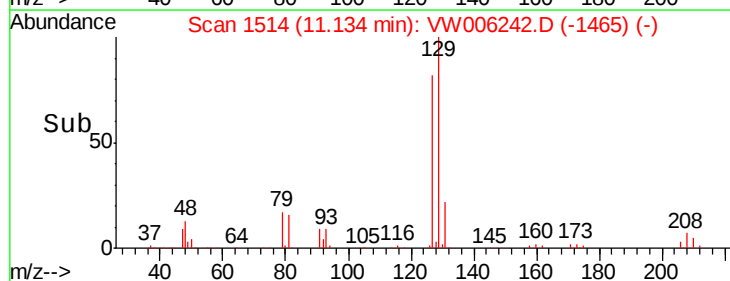
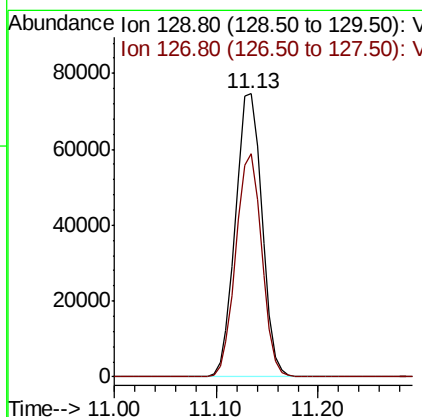
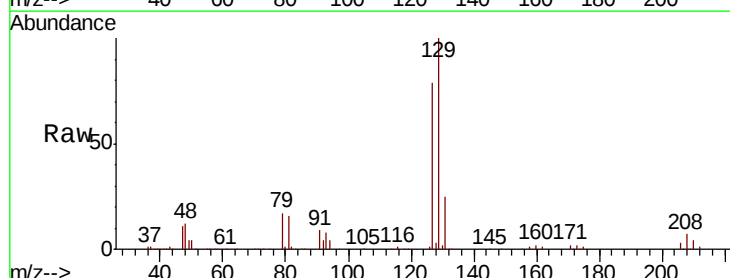
Manual Integrations
APPROVED

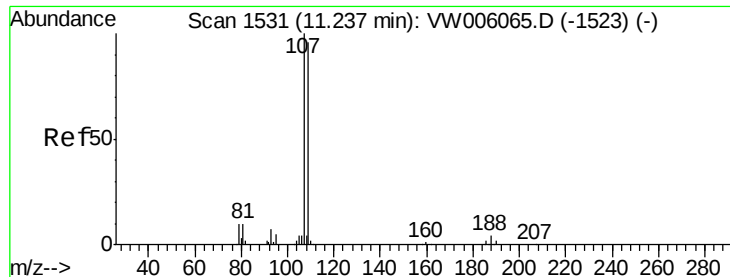
apatel
10/22/2018 12:17:56 PM



#60
Dibromochloromethane
Concen: 53.156 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.6	115.7





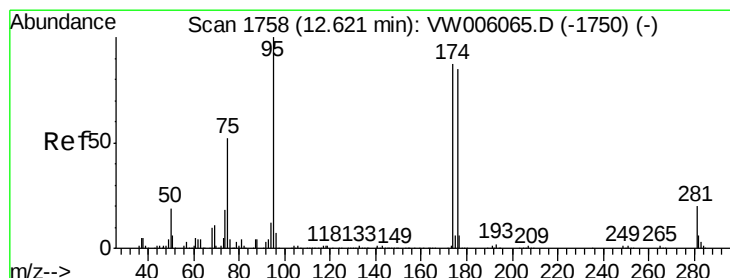
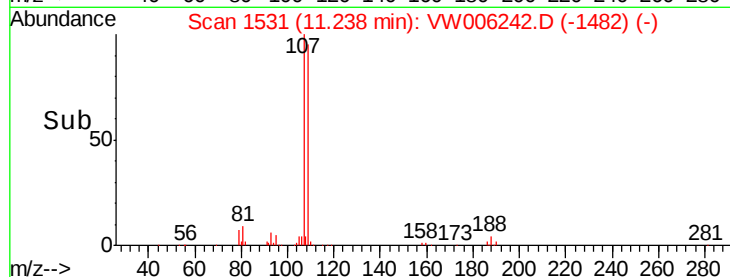
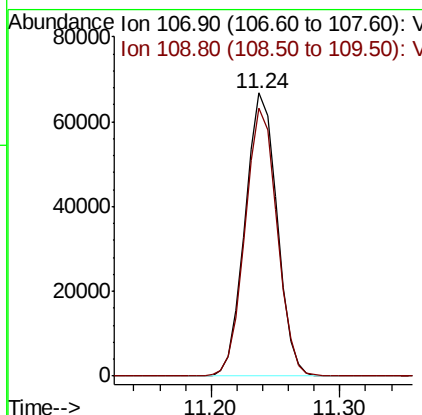
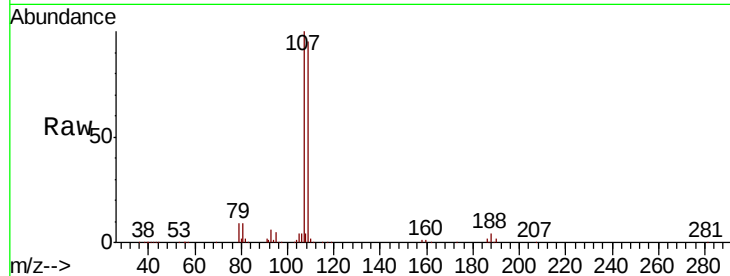
#61
 1,2-Dibromoethane
 Concen: 56.234 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006242.D
 Acq: 19 Oct 2018 23:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	76.3	114.5

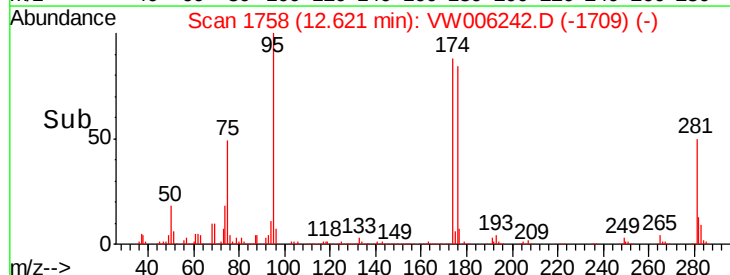
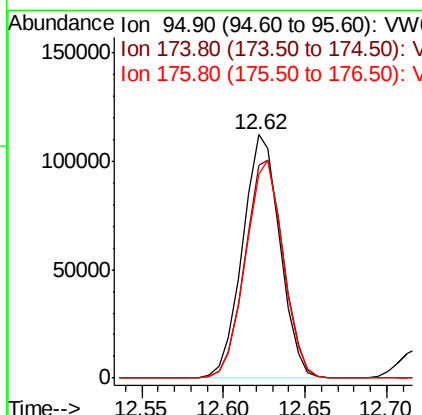
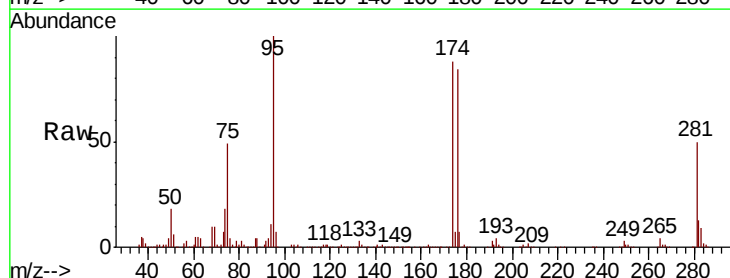
Manual Integrations
 APPROVED

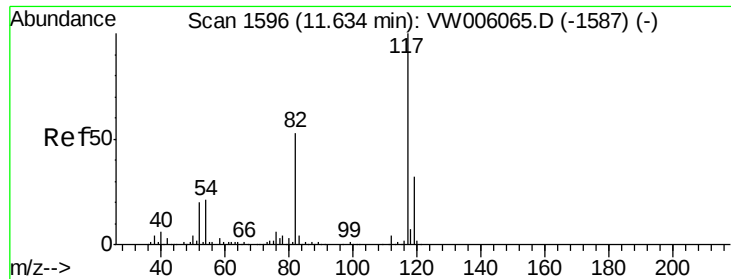
apatel
 10/22/2018 12:17:56 PM



#62
 4-Bromofluorobenzene
 Concen: 50.475 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006242.D
 Acq: 19 Oct 2018 23:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.0	0.0	186.0
176	89.8	0.0	181.6





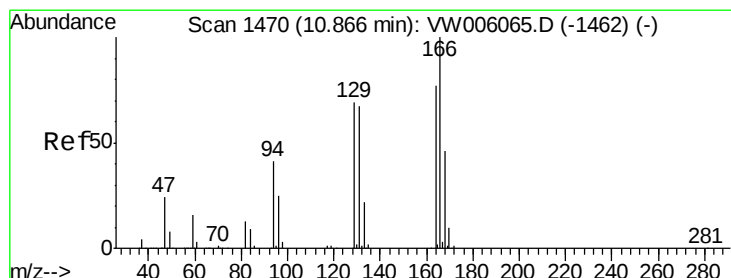
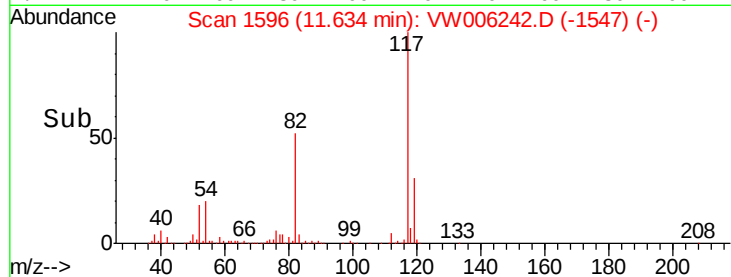
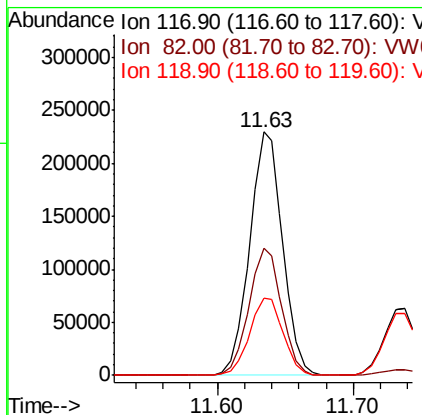
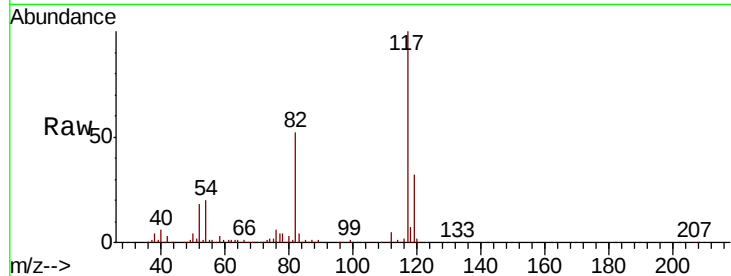
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	388069		
82	52.3		42.1	63.1
119	31.4		25.8	38.6

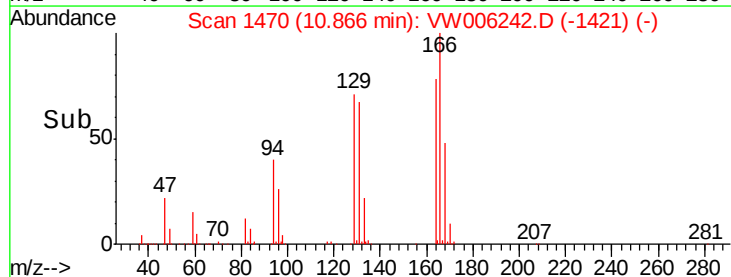
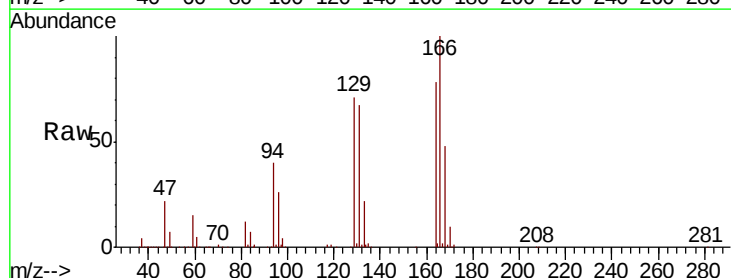
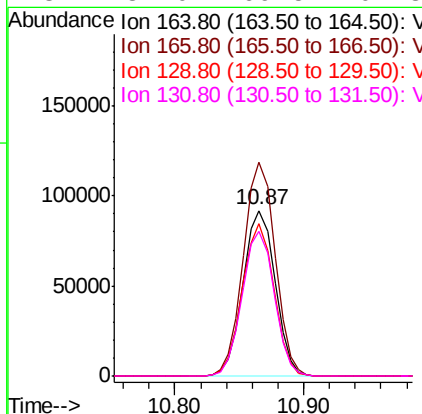
Manual Integrations
APPROVED

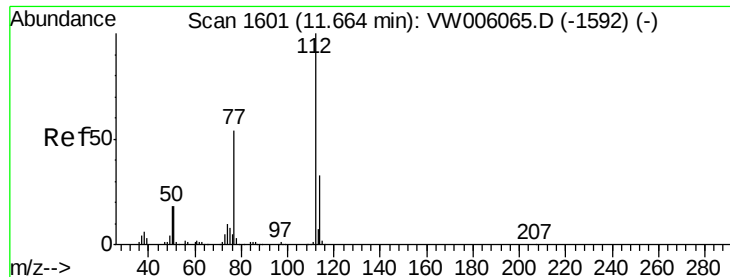
apatel
10/22/2018 12:17:56 PM



#64
Tetrachloroethene
Concen: 52.487 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	158123		
166	128.9		103.4	155.0
129	91.9		71.8	107.8
131	87.0		69.5	104.3





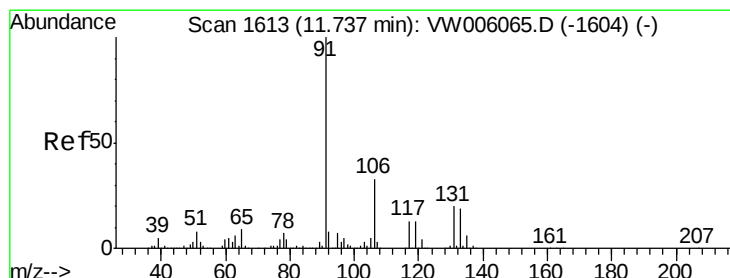
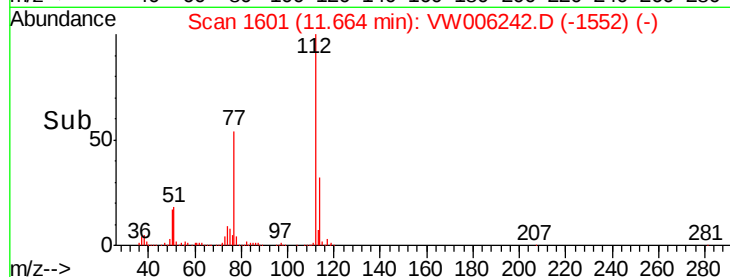
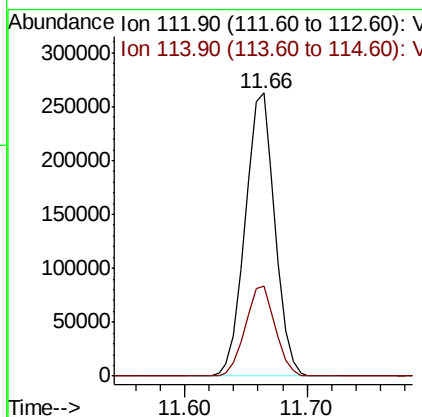
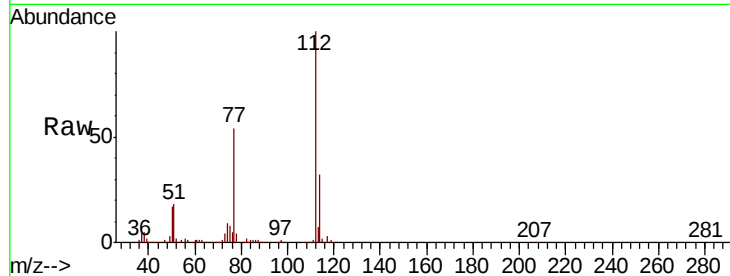
#65
Chlorobenzene
Concen: 53.317 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 442926
Ion Ratio Lower Upper
112 100
114 31.6 26.2 39.2

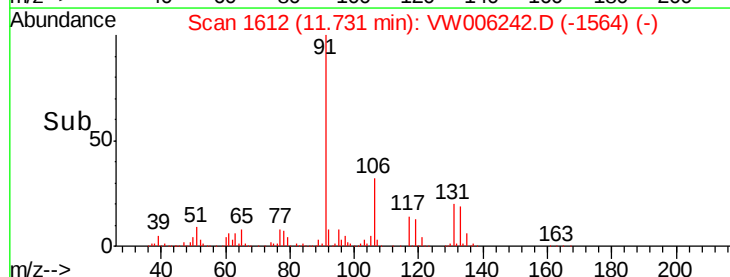
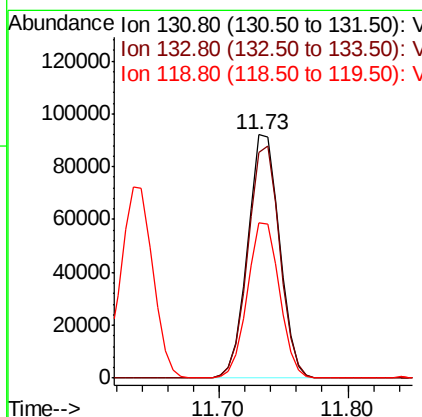
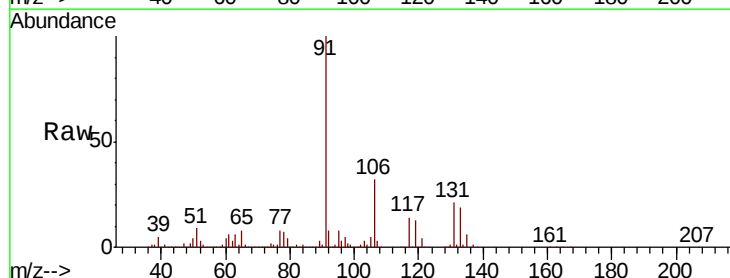
Manual Integrations
APPROVED

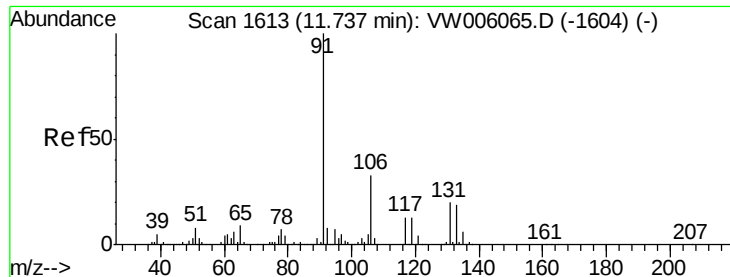
apatel
10/22/2018 12:17:56 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.064 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Tgt Ion:131 Resp: 156659
Ion Ratio Lower Upper
131 100
133 95.5 48.1 144.3
119 64.1 31.6 94.7





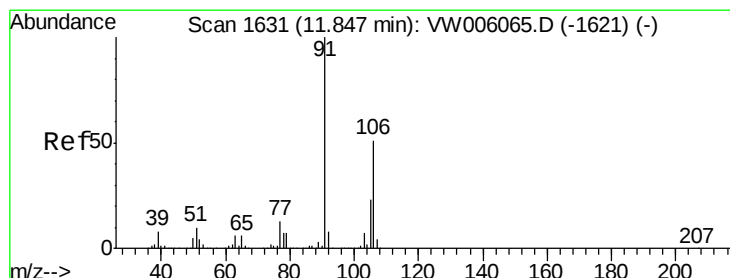
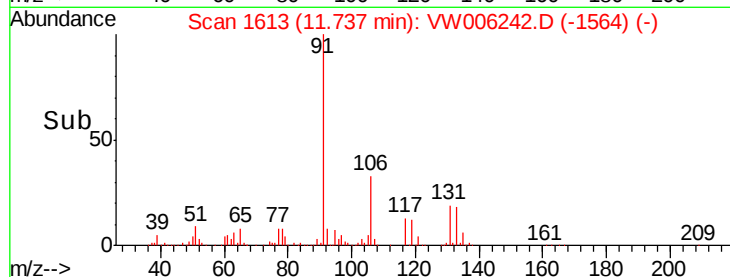
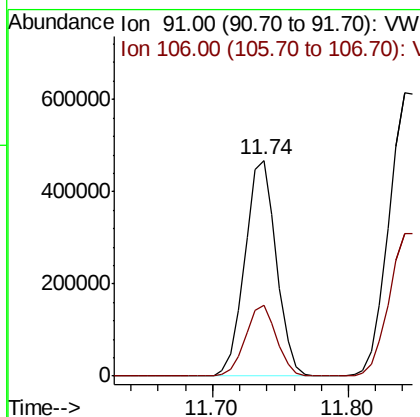
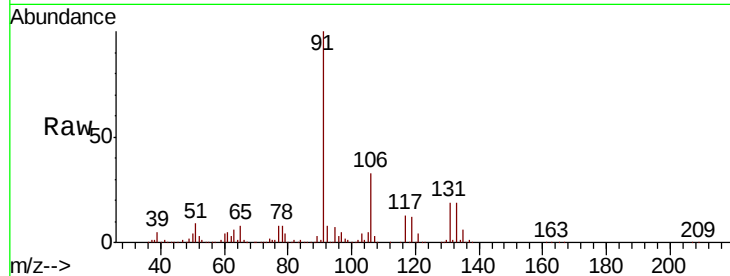
#67
Ethyl Benzene
Concen: 52.491 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.6	26.1	39.1

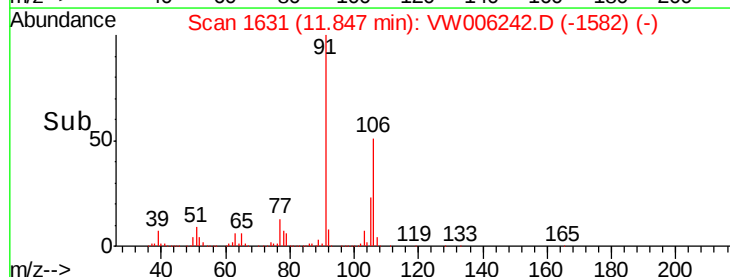
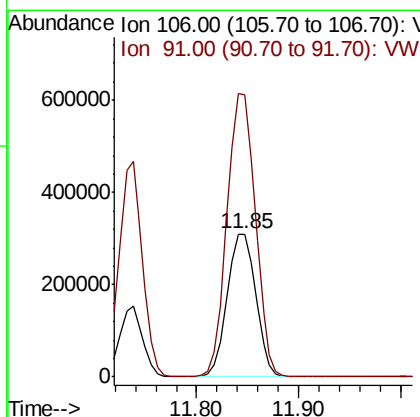
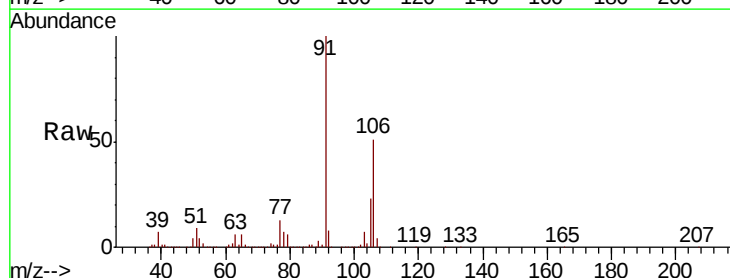
Manual Integrations
APPROVED

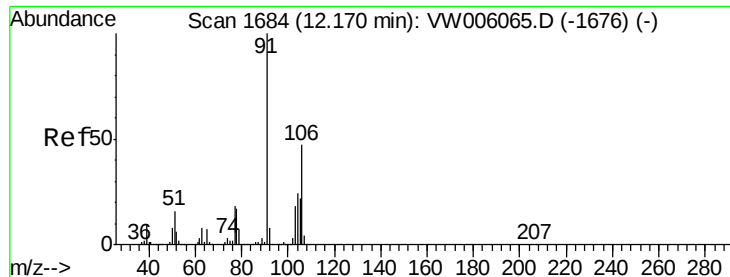
apatel
10/22/2018 12:17:56 PM



#68
m/p-Xylenes
Concen: 105.636 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Tgt Ion	Ratio	Lower	Upper
106	100		
91	196.9	159.1	238.7





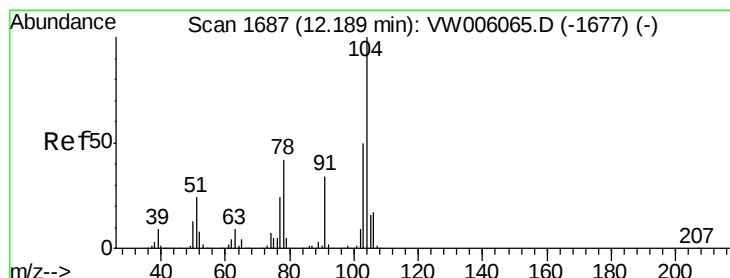
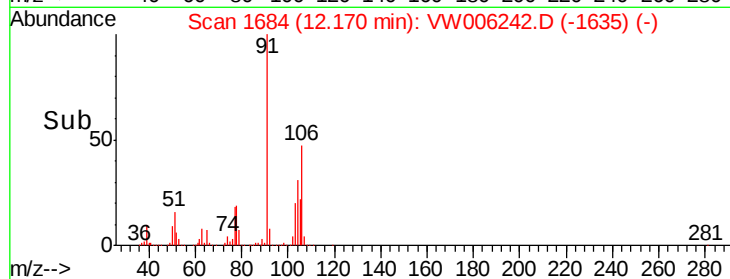
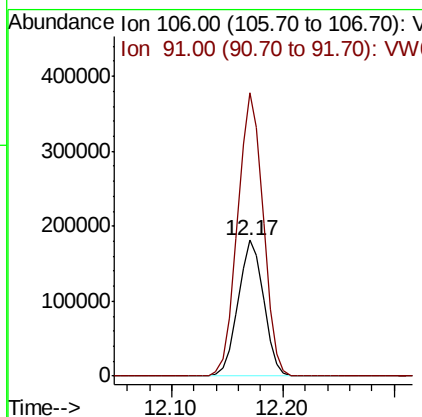
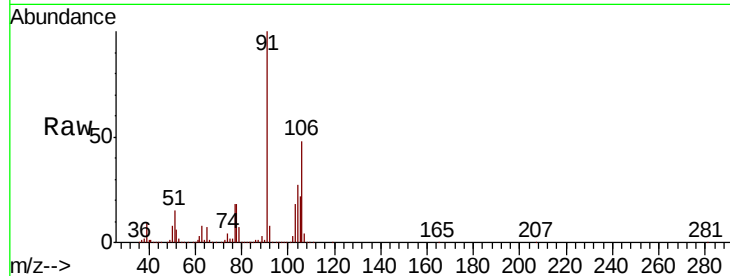
#69
o-Xylene
Concen: 53.158 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	208.5	105.4	316.1	

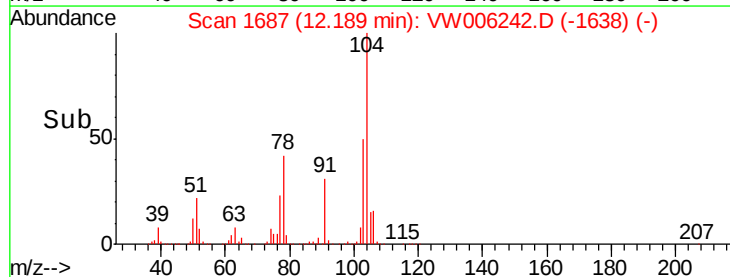
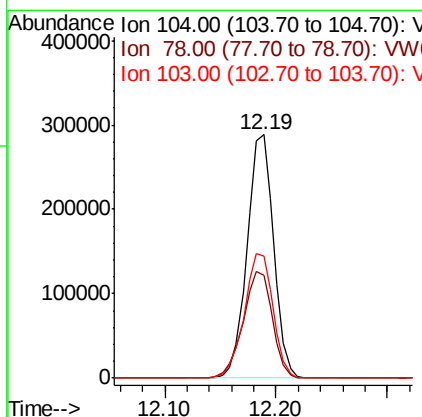
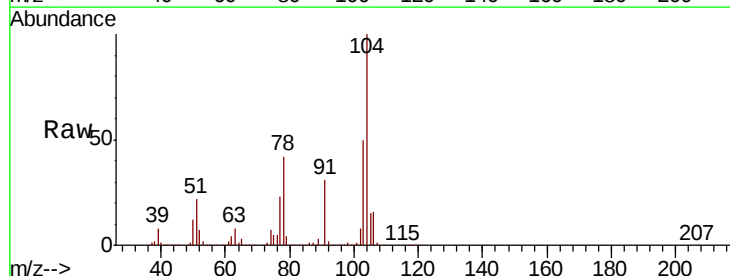
Manual Integrations
APPROVED

apatel
10/22/2018 12:17:56 PM



#70
Styrene
Concen: 54.132 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.1	39.1	58.7	
103	55.5	44.3	66.5	





#71

Bromoform

Concen: 50.908 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 83830

Ion Ratio Lower Upper

173 100

175 48.9 24.2 72.6

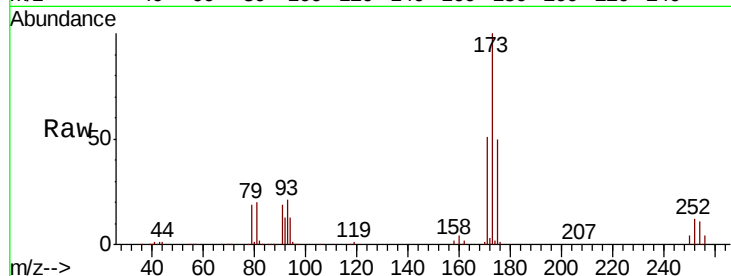
254 0.1 0.1 0.1

Manual Integrations

APPROVED

apatel

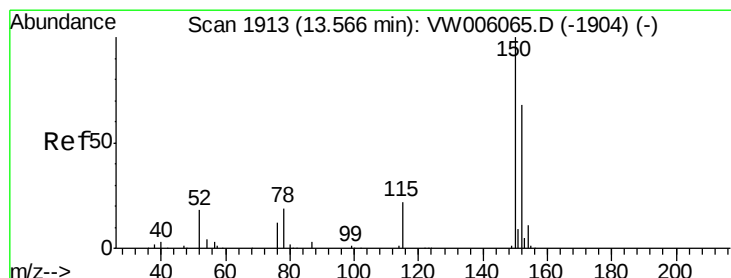
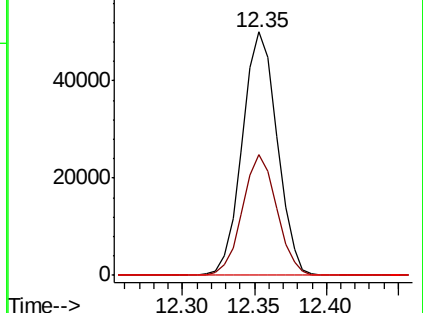
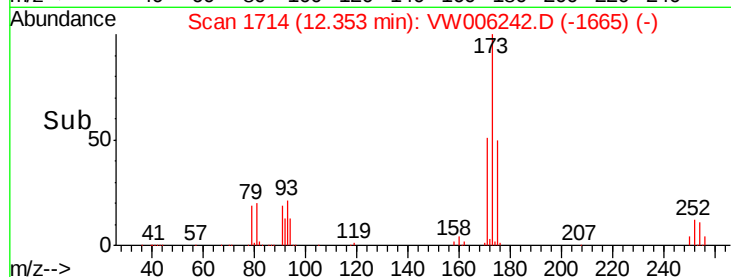
10/22/2018 12:17:56 PM



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: VW006242.D

Acq: 19 Oct 2018 23:05

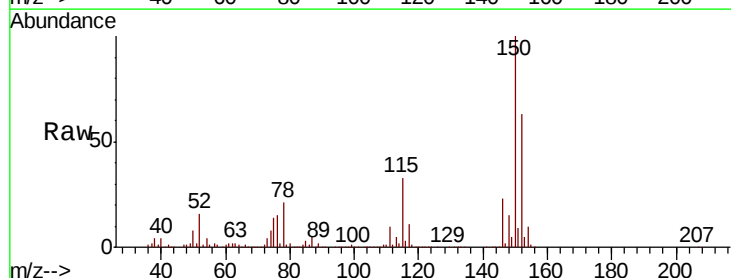
Tgt Ion:152 Resp: 217815

Ion Ratio Lower Upper

152 100

115 54.7 27.8 83.3

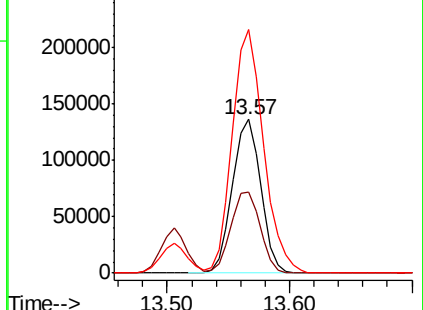
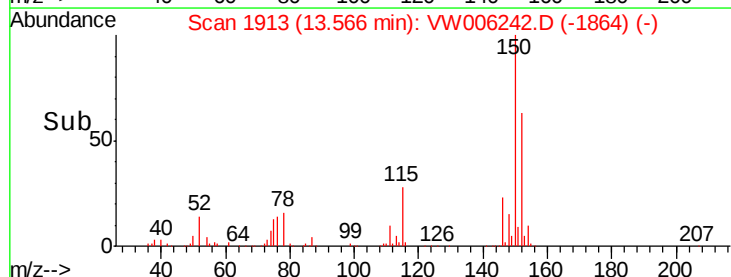
150 175.1 0.0 349.2

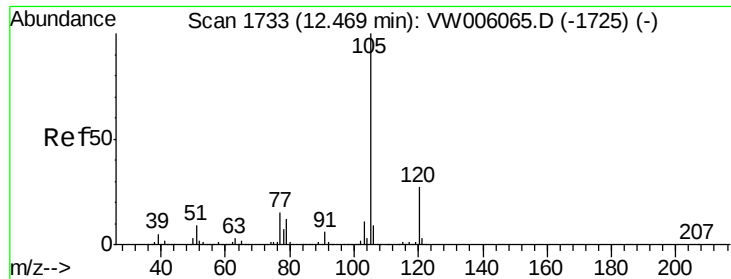


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





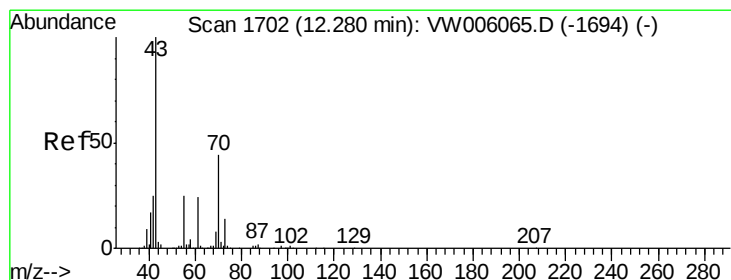
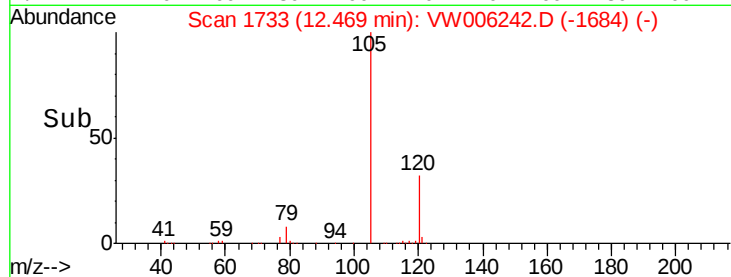
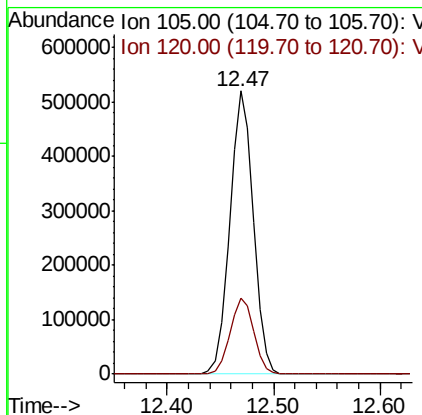
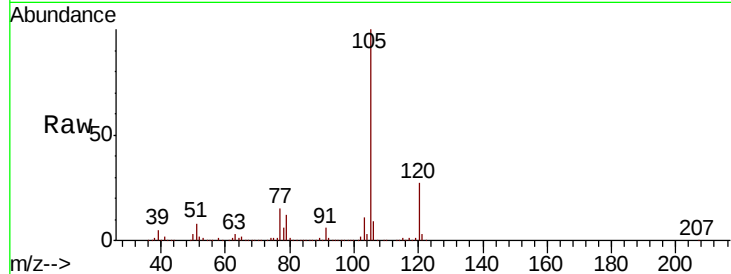
#73
Isopropylbenzene
Concen: 51.998 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.6	40.7

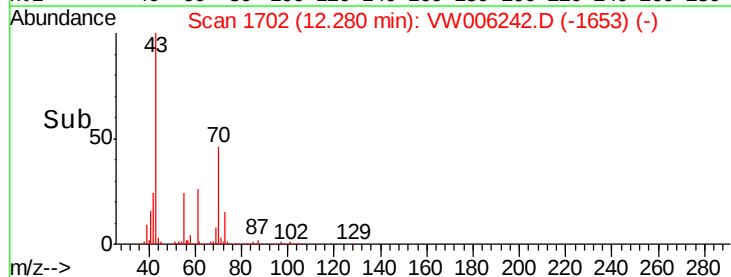
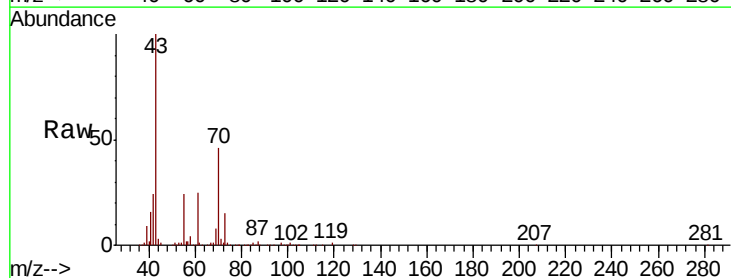
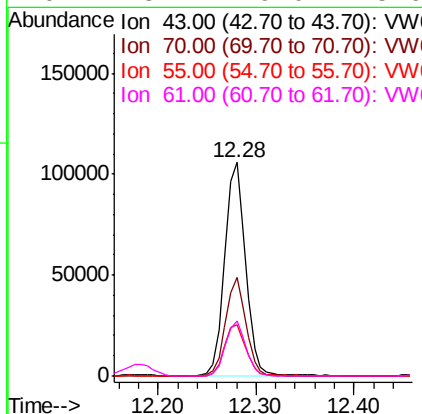
Manual Integrations
APPROVED

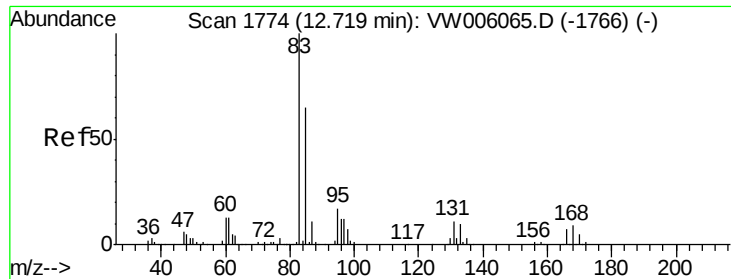
apatel
10/22/2018 12:17:56 PM



#74
N-ethyl acetate
Concen: 52.373 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. 0.00 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.2	34.2	51.4
55	24.5	19.2	28.8
61	25.2	19.0	28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 55.655 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

Instrument :

MSVOA_W

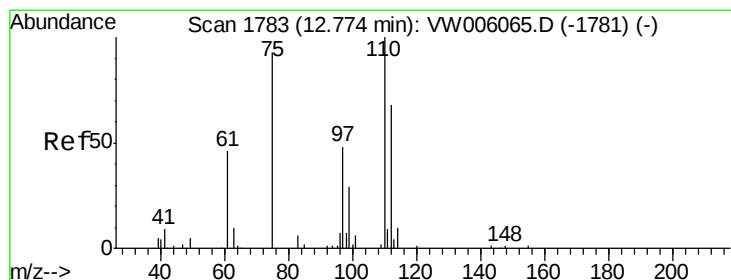
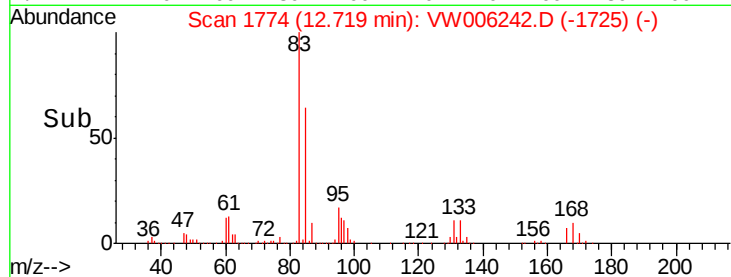
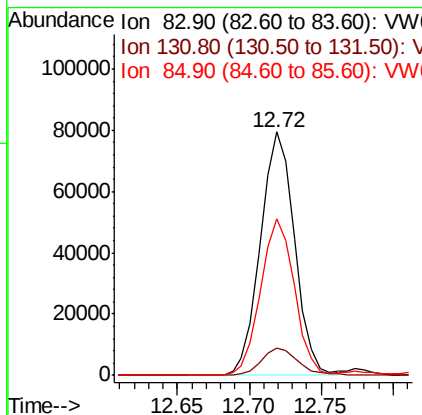
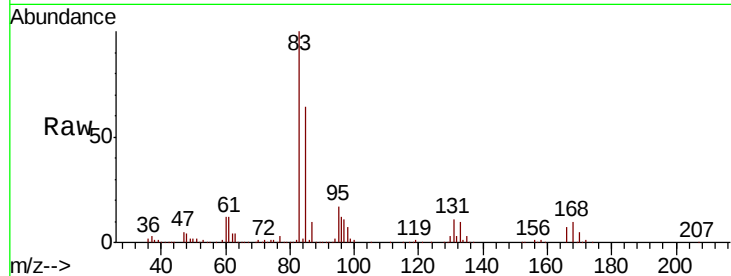
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	130258
Ion Ratio	Lower	Upper	
83	100		
131	12.2	5.9	17.7
85	63.8	31.9	95.9

Manual Integrations
APPROVED

apatel
10/22/2018 12:17:56 PM



#76

1,2,3-Trichloropropane

Concen: 51.075 ug/l m

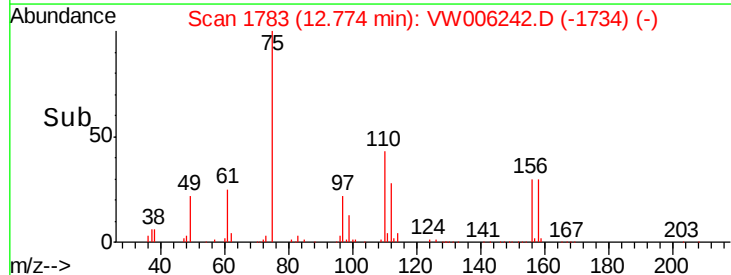
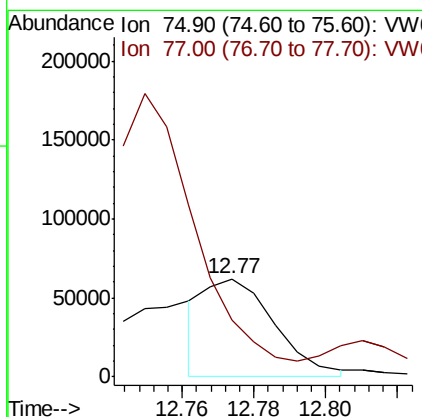
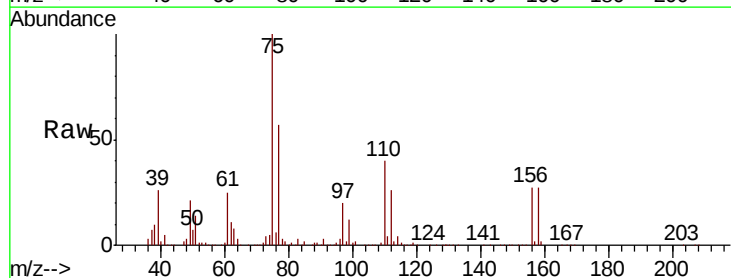
RT: 12.77 min Scan# 1783

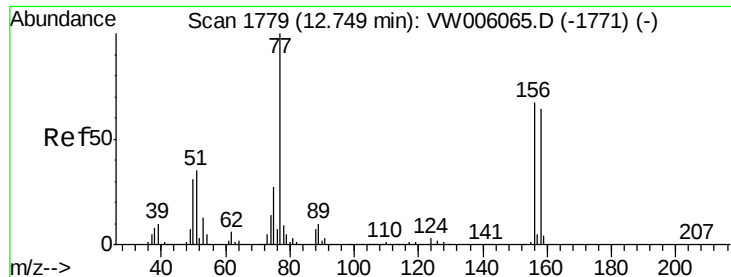
Delta R.T. 0.00 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

Tgt Ion:	75	Resp:	84973
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.220 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

Instrument :

MSVOA_W

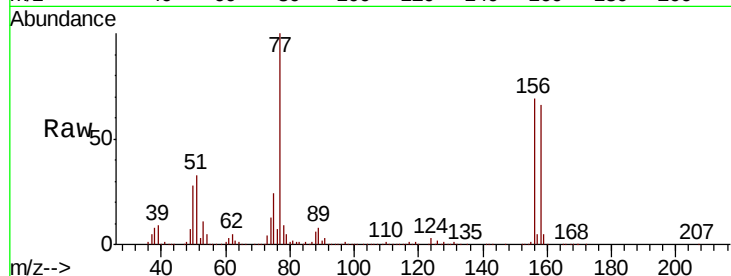
ClientSampleId :

VSTDCCC050EC

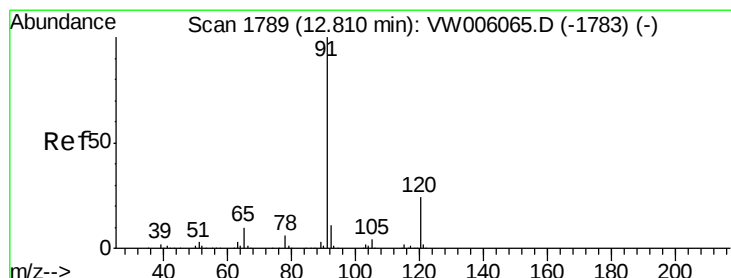
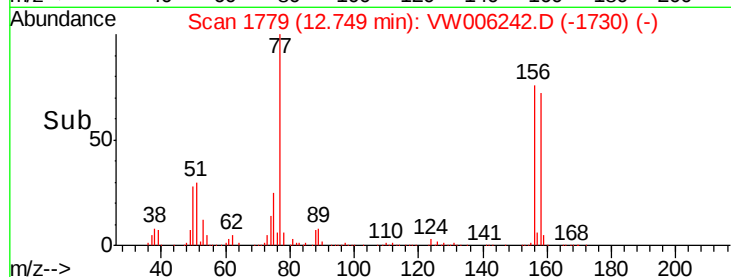
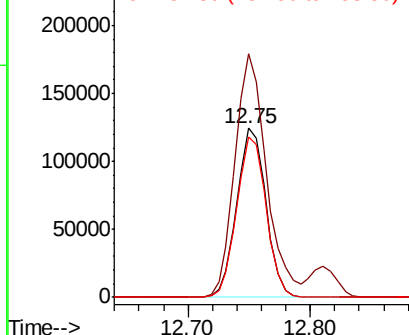
Tot Ion:	156	Resp:	204357
Ion Ratio	Lower	Upper	
156	100		
77	157.0	79.1	237.4
158	96.1	48.5	145.6

Manual Integrations
APPROVED

apatel
10/22/2018 12:17:56 PM



Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.782 ug/l

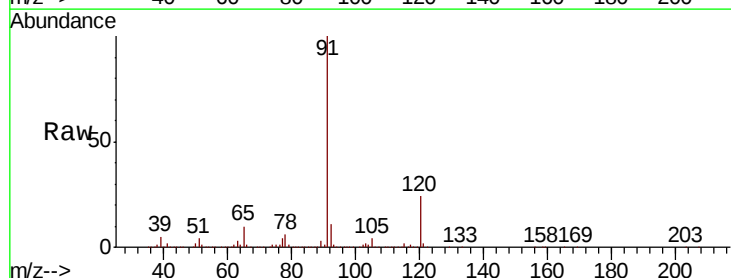
RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

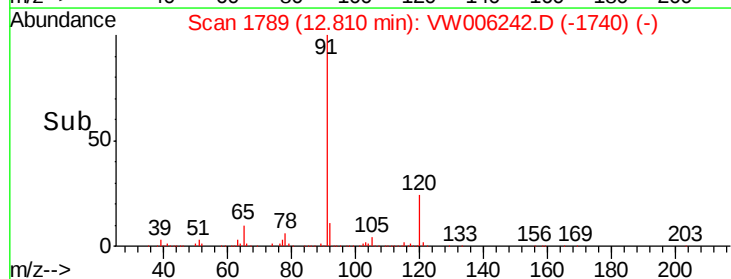
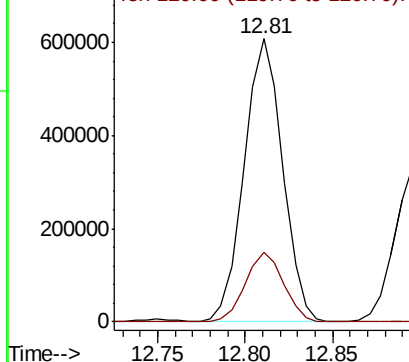
Lab File: VW006242.D

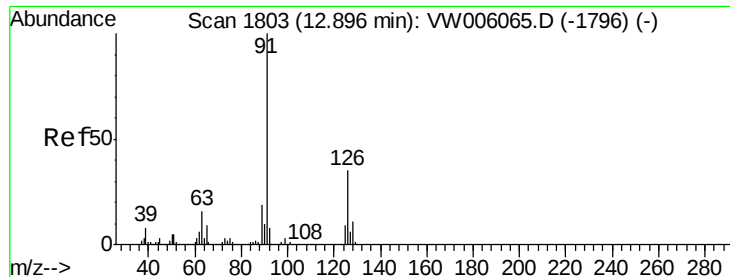
Acq: 19 Oct 2018 23:05

Tgt Ion:	91	Resp:	927039
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.2	36.6



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.716 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 530261

Ion Ratio Lower Upper

91 100

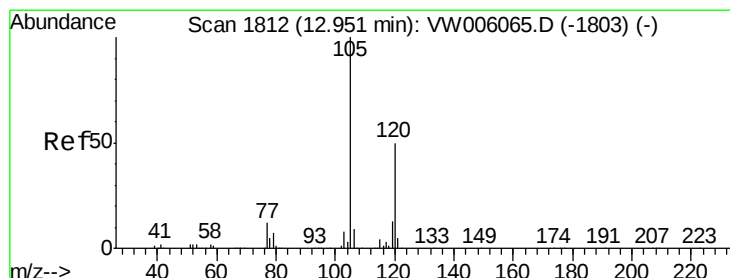
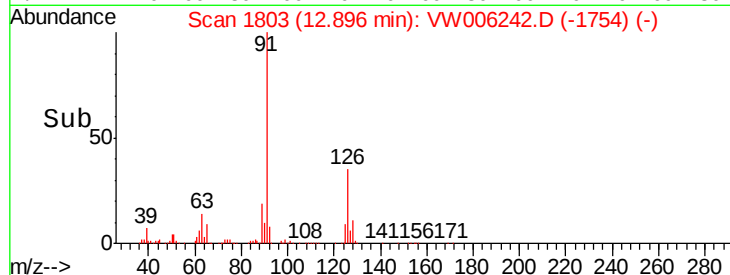
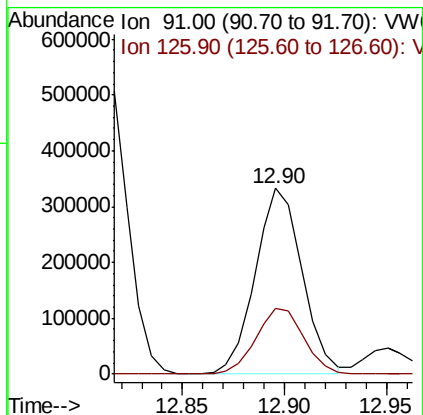
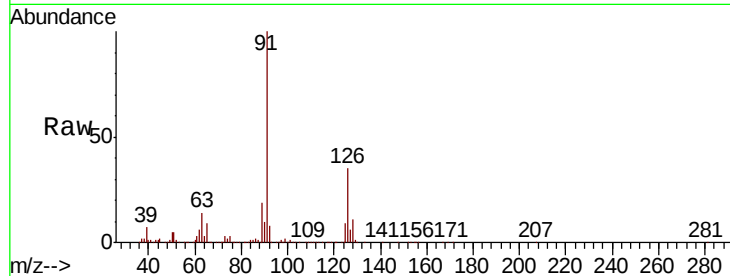
126 36.2 17.9 53.8

Manual Integrations

APPROVED

apatel

10/22/2018 12:17:56 PM



#80

1,3,5-Trimethylbenzene

Concen: 52.250 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006242.D

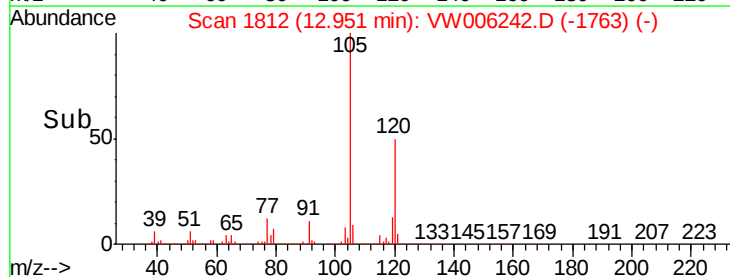
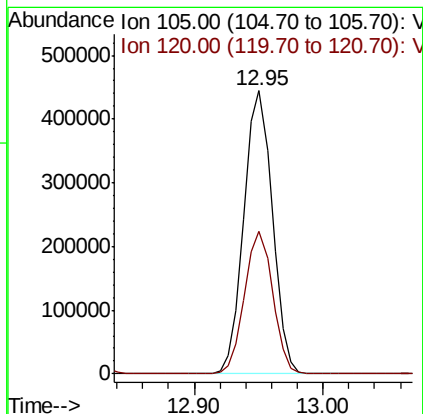
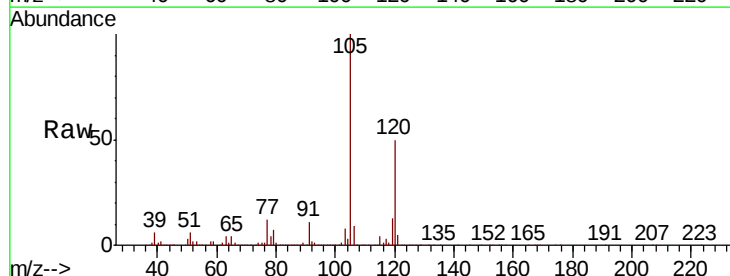
Acq: 19 Oct 2018 23:05

Tgt Ion: 105 Resp: 677806

Ion Ratio Lower Upper

105 100

120 49.8 24.9 74.6





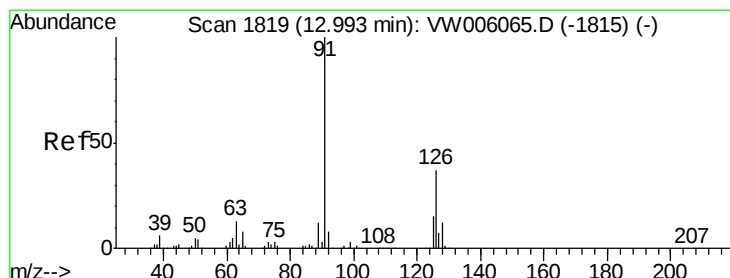
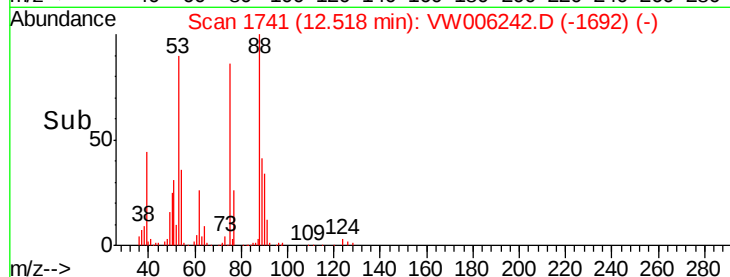
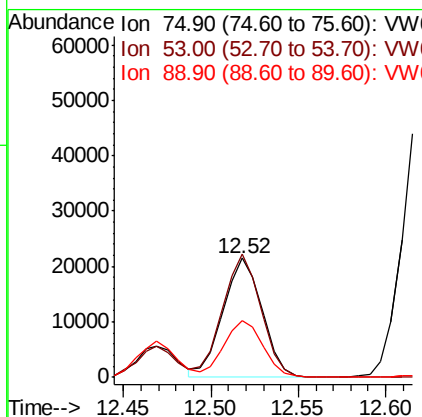
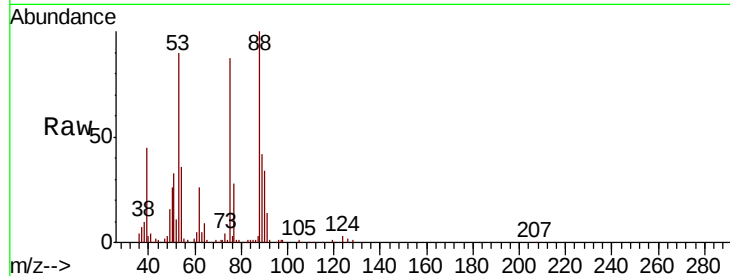
#81
trans-1,4-Dichloro-2-butene
Concen: 48.165 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.4	79.8	119.6
89	47.0	37.5	56.3

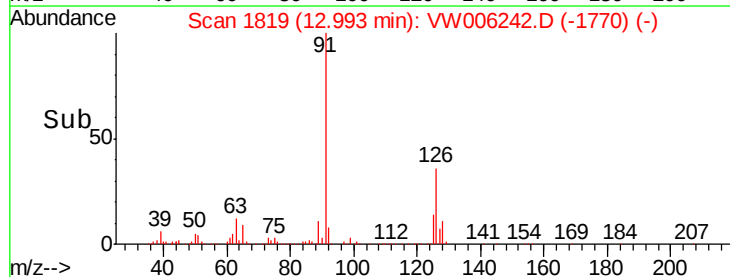
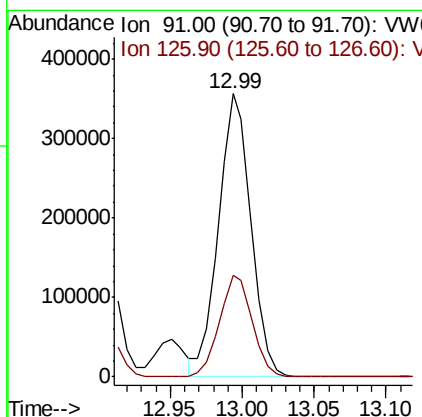
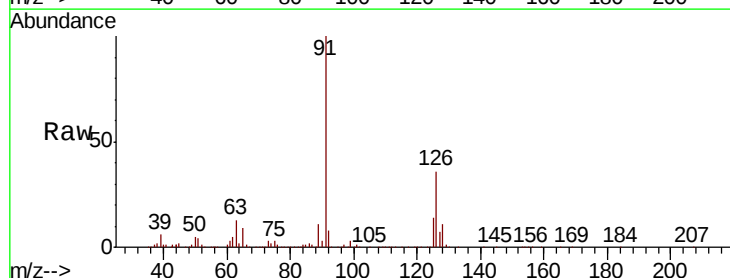
Manual Integrations
APPROVED

apatel
10/22/2018 12:17:56 PM



#82
4-Chlorotoluene
Concen: 53.296 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.4	18.1	54.3





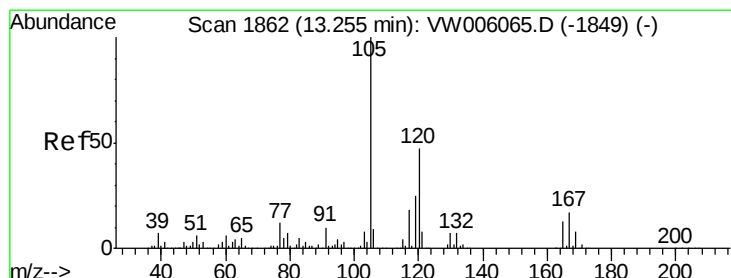
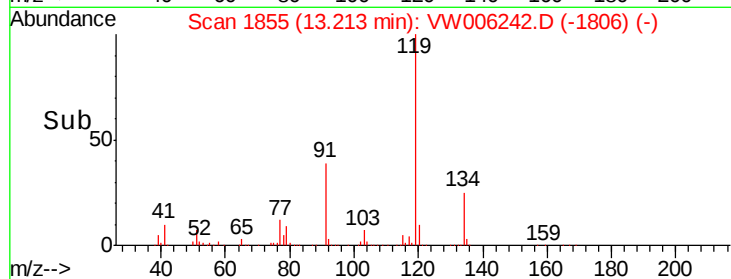
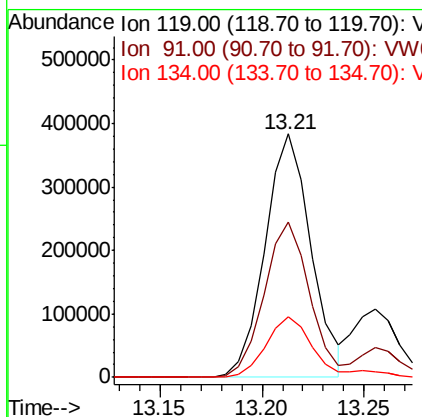
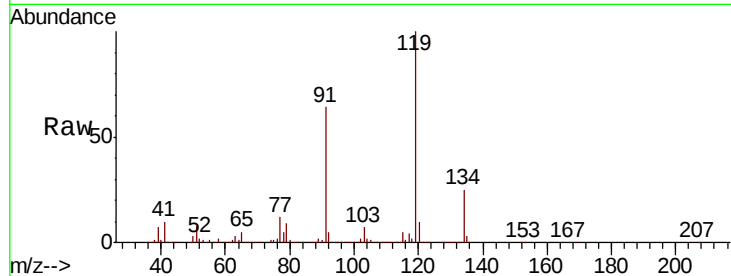
#83
tert-Butylbenzene
Concen: 51.965 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.5	32.3	96.9
134	24.9	13.6	40.8

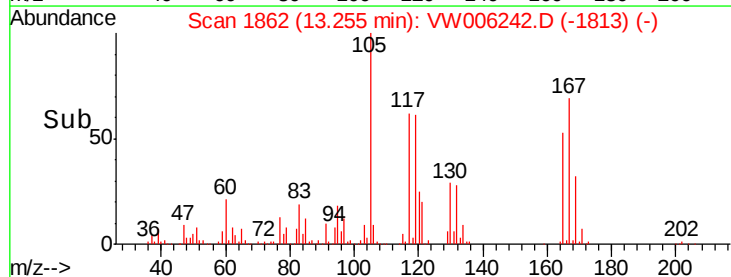
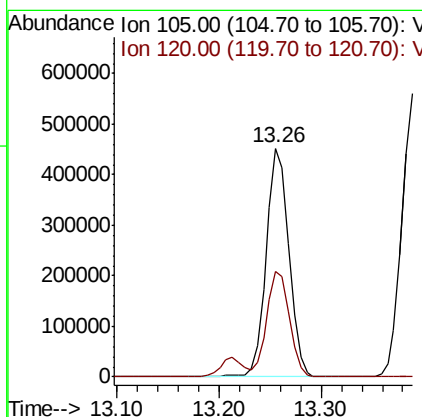
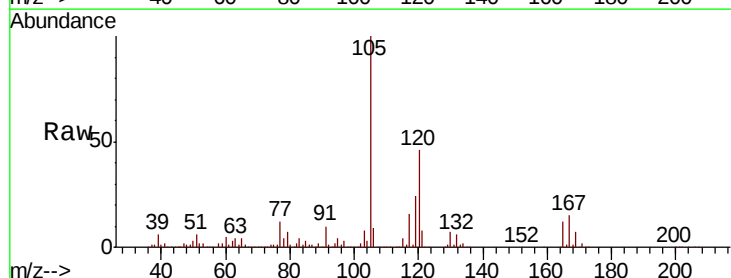
Manual Integrations
APPROVED

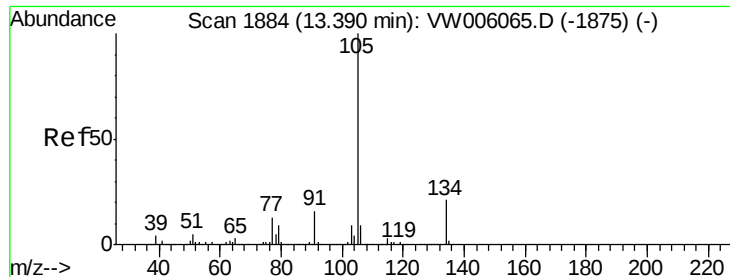
apatel
10/22/2018 12:17:56 PM



#84
1,2,4-Trimethylbenzene
Concen: 52.918 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.1	69.3





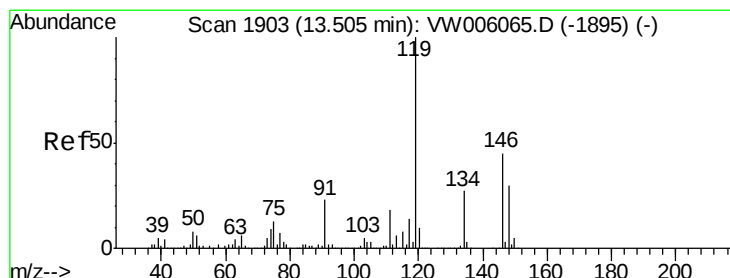
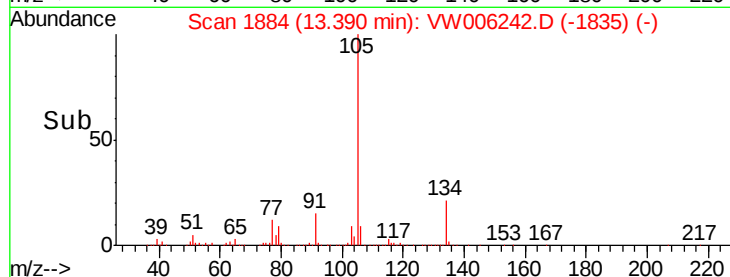
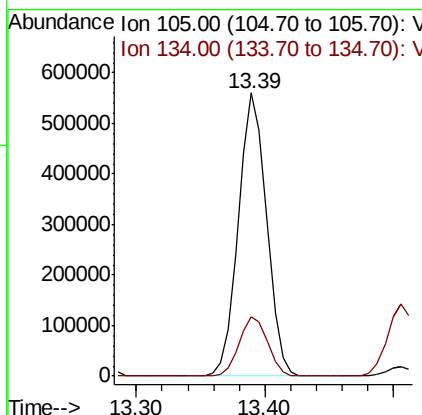
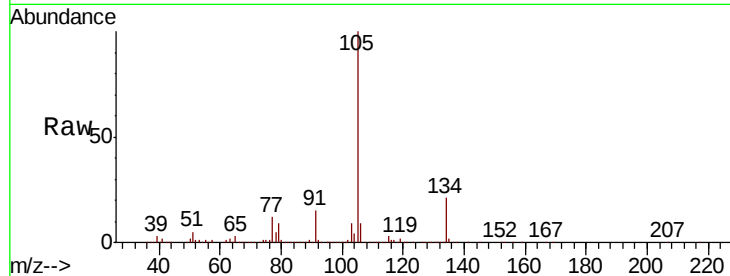
#85
 sec-Butylbenzene
 Concen: 51.658 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006242.D
 Acq: 19 Oct 2018 23:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.5	31.6

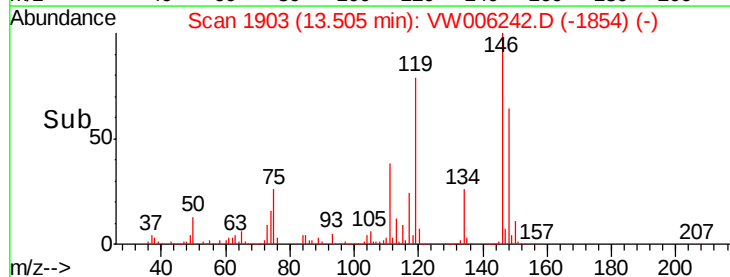
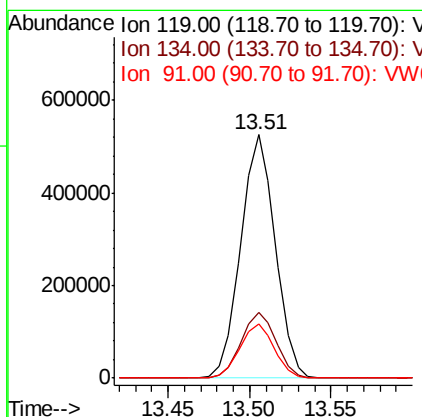
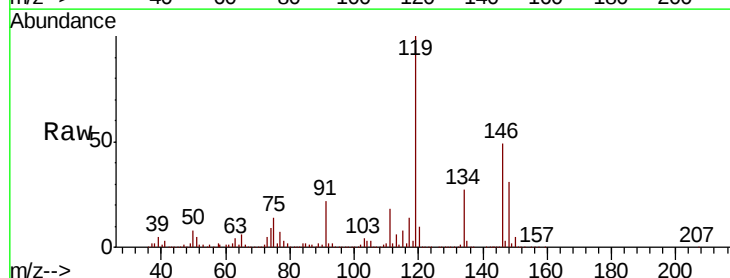
Manual Integrations
 APPROVED

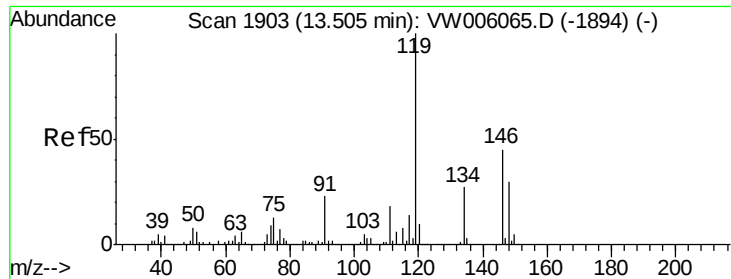
apatel
 10/22/2018 12:17:56 PM



#86
 p-Isopropyltoluene
 Concen: 52.166 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006242.D
 Acq: 19 Oct 2018 23:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.4	13.4	40.2
91	22.3	11.4	34.1





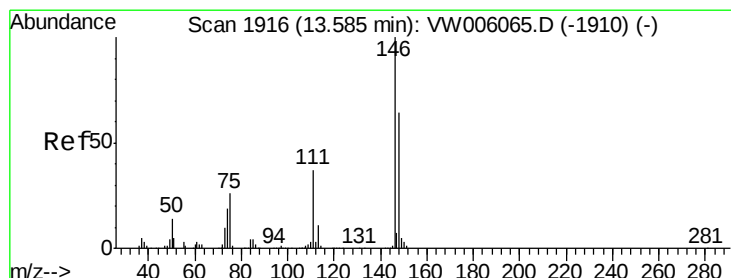
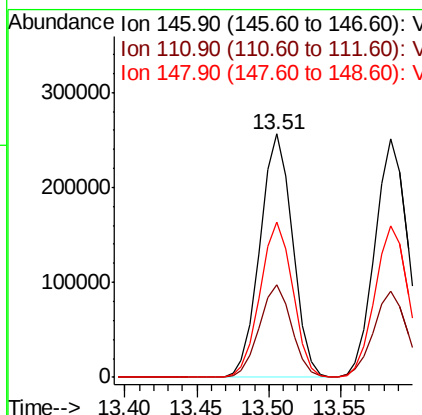
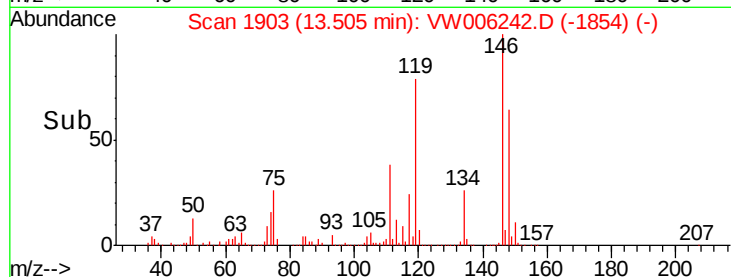
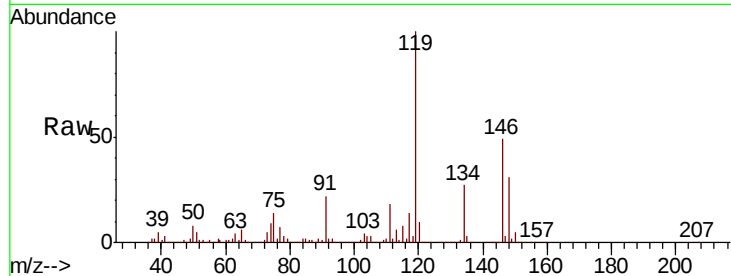
#87
 1,3-Dichlorobenzene
 Concen: 53.473 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006242.D
 Acq: 19 Oct 2018 23:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.5
148	64.0	32.0	96.2

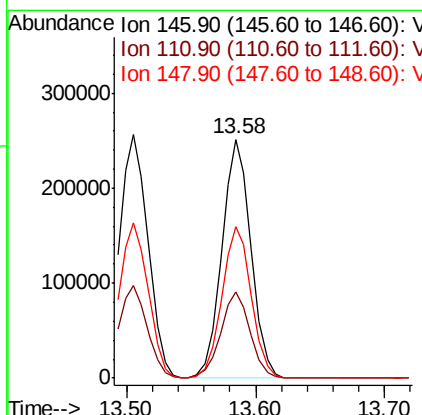
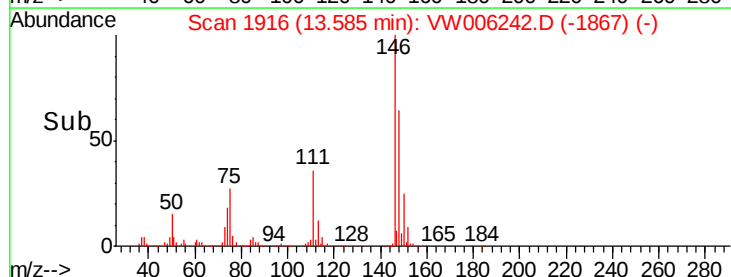
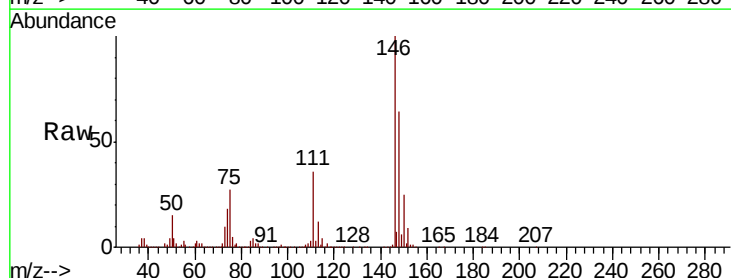
Manual Integrations
 APPROVED

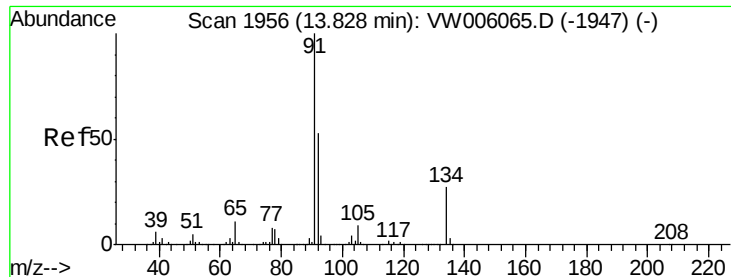
apatel
 10/22/2018 12:17:56 PM



#88
 1,4-Dichlorobenzene
 Concen: 52.885 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006242.D
 Acq: 19 Oct 2018 23:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.6	56.0
148	64.2	32.1	96.5





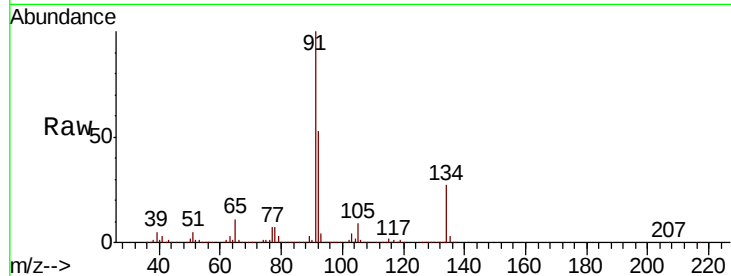
#89
n-Butylbenzene
Concen: 51.826 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.6	79.7
134	27.9	14.0	41.9

Manual Integrations
APPROVED

apatel
10/22/2018 12:17:56 PM

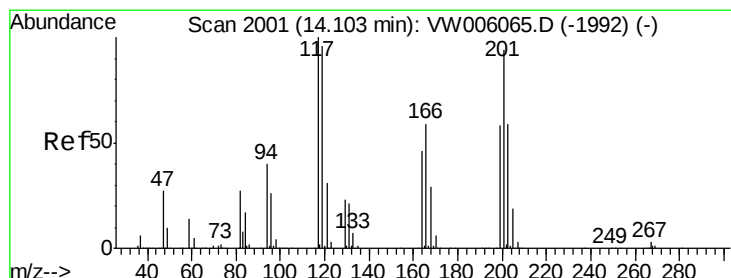
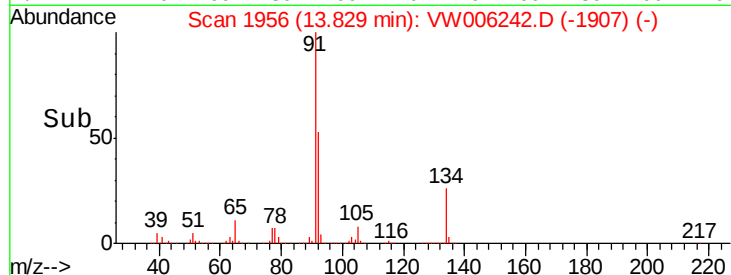
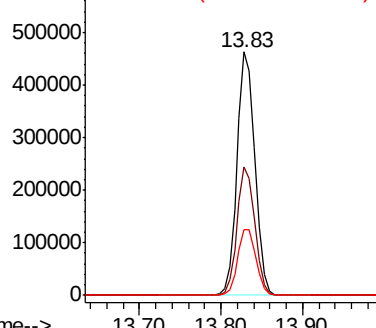


Abundance

Ion 91.00 (90.70 to 91.70): VW

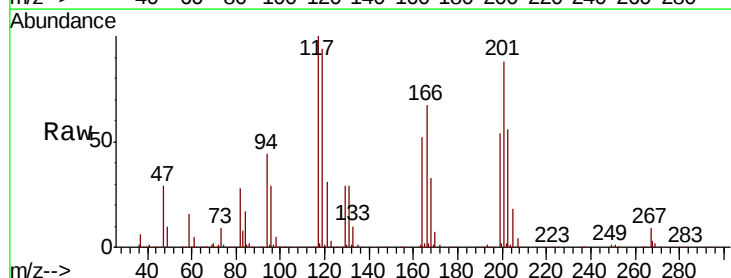
Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90
Hexachloroethane
Concen: 48.758 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.01 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

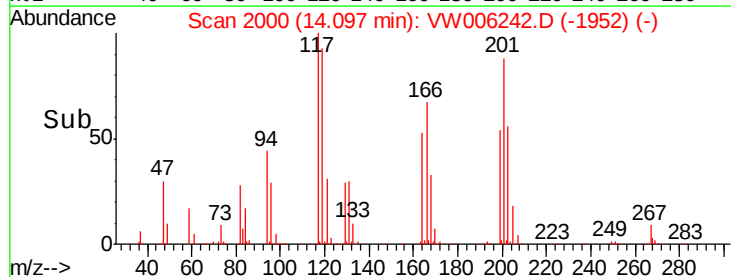
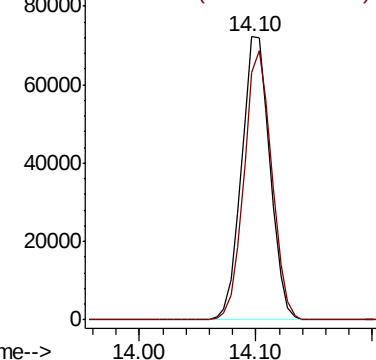
Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.1	45.3	135.9

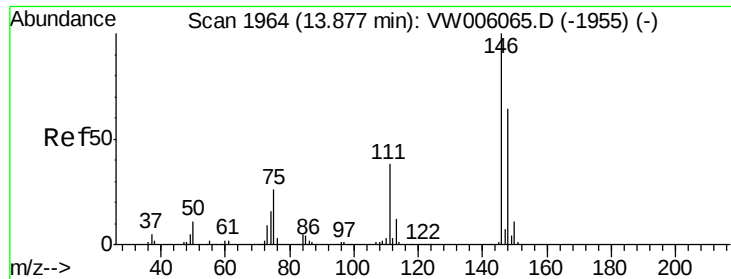


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





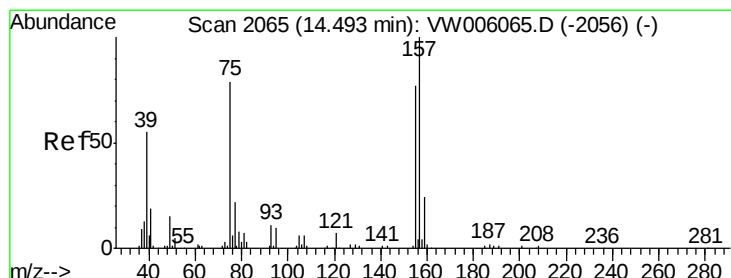
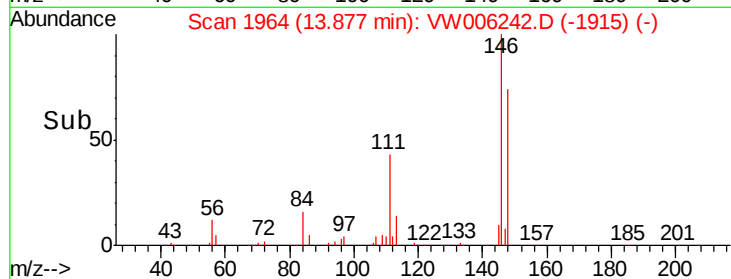
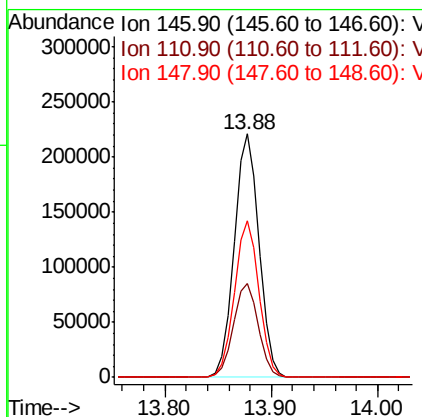
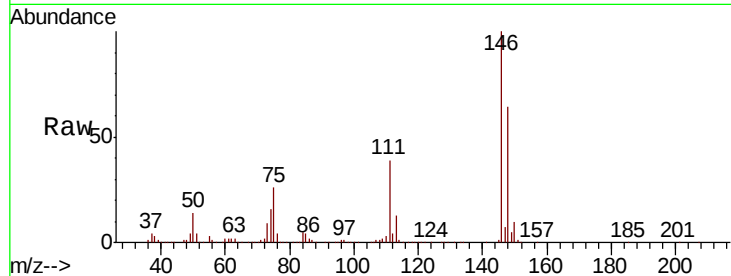
#91
 1,2-Dichlorobenzene
 Concen: 53.759 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006242.D
 Acq: 19 Oct 2018 23:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.6	58.7
148	63.8	32.2	96.6

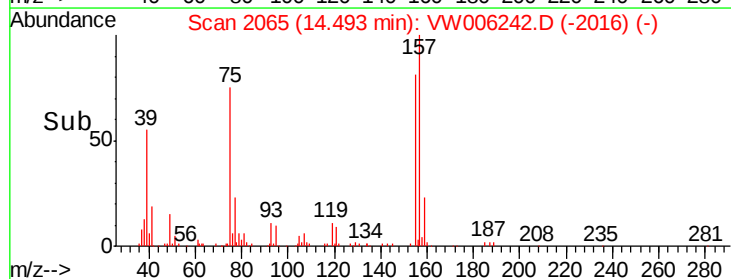
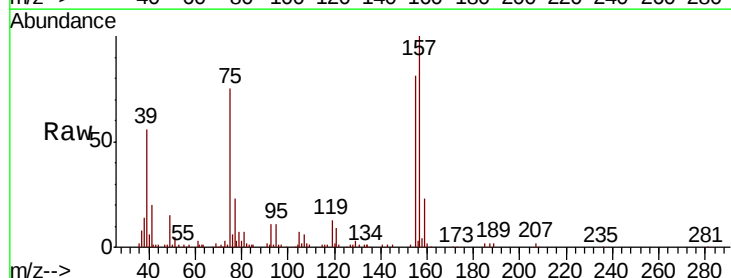
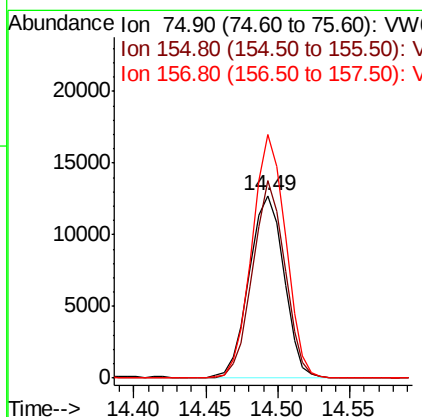
Manual Integrations
 APPROVED

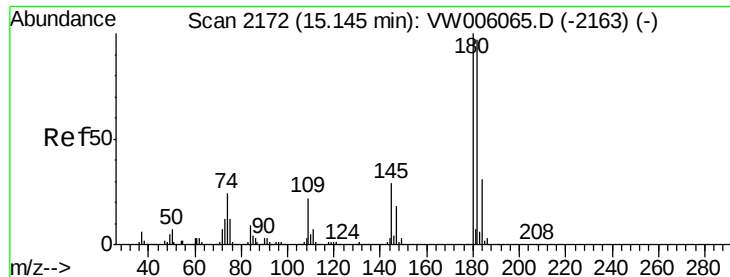
apatel
 10/22/2018 12:17:56 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.008 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW006242.D
 Acq: 19 Oct 2018 23:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.6	46.5	139.5
157	128.5	59.8	179.4





#93

1,2,4-Trichlorobenzene

Concen: 53.656 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.01 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

Instrument :

MSVOA_W

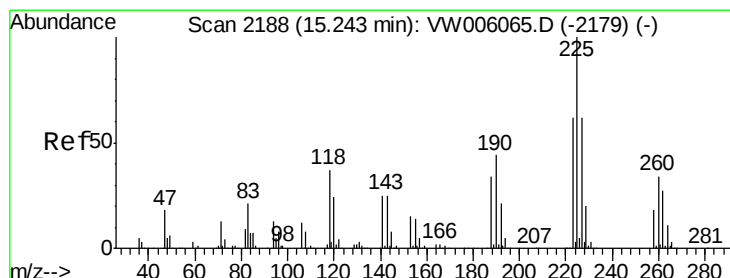
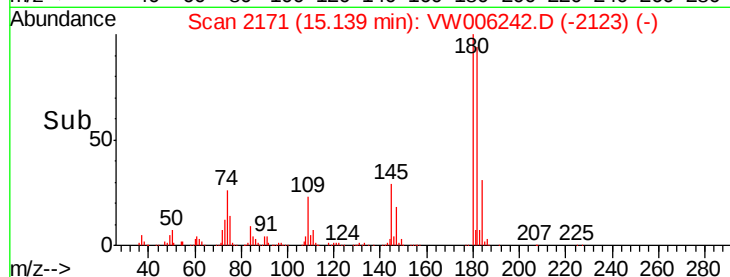
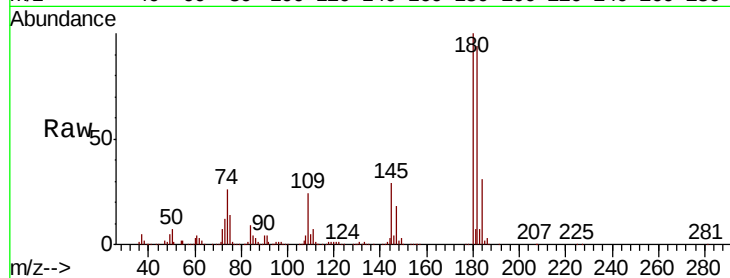
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	276233
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.9	143.6
145	28.6	14.2	42.8

Manual Integrations
APPROVED

apatel
10/22/2018 12:17:56 PM



#94

Hexachlorobutadiene

Concen: 51.314 ug/l

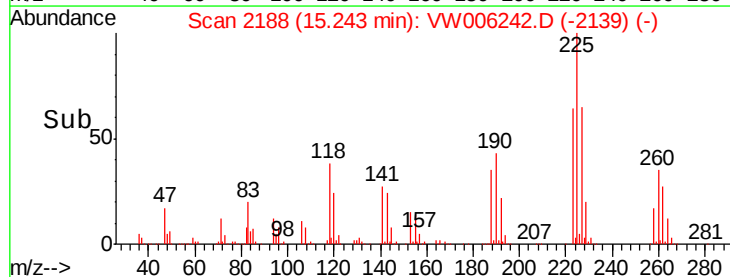
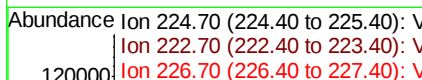
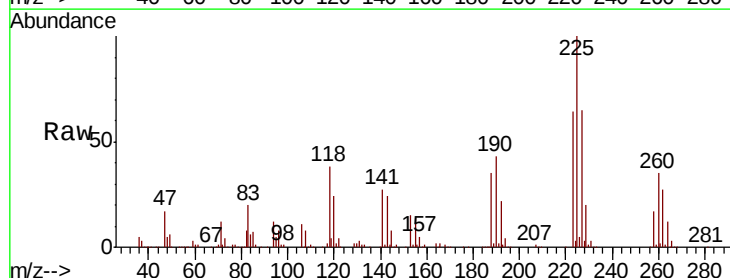
RT: 15.24 min Scan# 2188

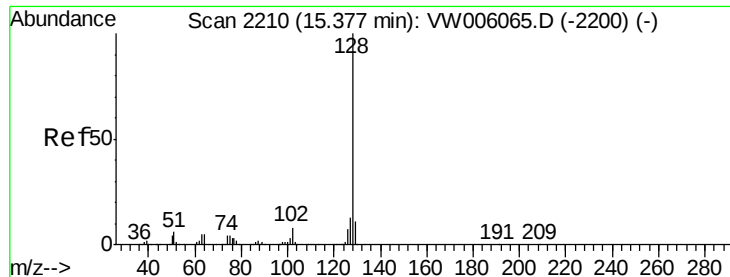
Delta R.T. 0.00 min

Lab File: VW006242.D

Acq: 19 Oct 2018 23:05

Tgt Ion:	225	Resp:	165954
Ion Ratio	Lower	Upper	
225	100		
223	62.9	31.1	93.5
227	65.1	32.4	97.0





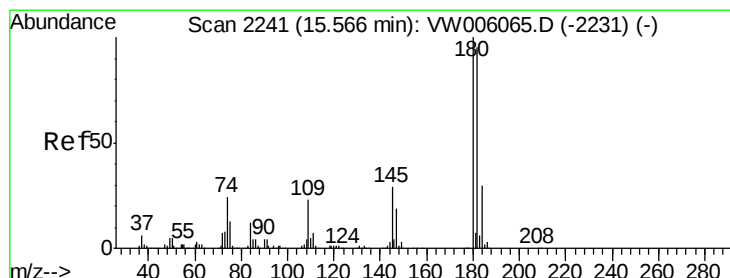
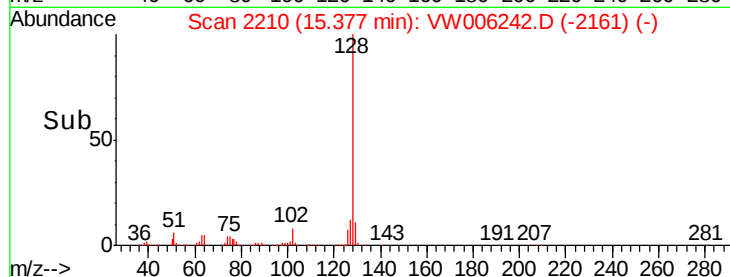
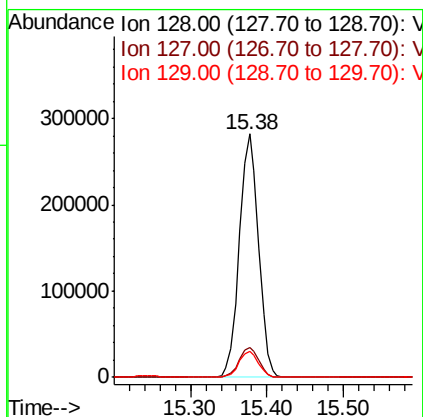
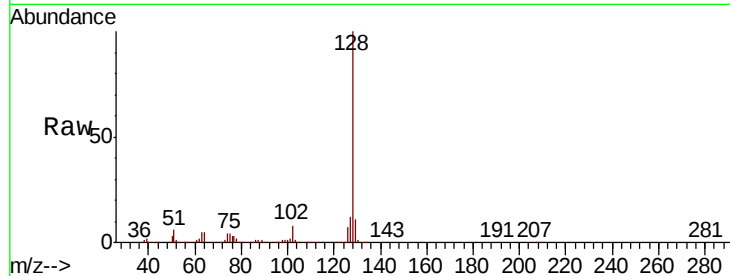
#95
Naphthalene
Concen: 56.993 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

apatel
10/22/2018 12:17:56 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.972 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006242.D
Acq: 19 Oct 2018 23:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.8	143.3
145	30.1	15.0	45.1

