

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122218\
 Data File : VW007748.D
 Acq On : 20 Dec 2018 15:49
 Operator : SY/AP
 Sample : VW1222SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1222SBS01

Manual Integrations
 APPROVED

apatel
 12/21/2018 11:02:36 AM

Quant Time: Dec 21 04:05:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	74349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	116304	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	101233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	52684	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	38883	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	
35) Dibromofluoromethane	7.88	113	35716	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	10.32	98	138421	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
62) 4-Bromofluorobenzene	12.62	95	51994	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	12993	19.658	ug/l	95
3) Chloromethane	2.21	50	8372	20.628	ug/l	95
4) Vinyl Chloride	2.36	62	10541	20.403	ug/l	90
5) Bromomethane	2.78	94	7277	20.222	ug/l	96
6) Chloroethane	2.92	64	5454	19.732	ug/l	93
7) Trichlorofluoromethane	3.25	101	10017	18.623	ug/l #	82
8) Diethyl Ether	3.67	74	6534	19.833	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	16203	20.454	ug/l	97
10) Methyl Iodide	4.26	142	25078	19.907	ug/l	99
11) Tert butyl alcohol	5.16	59	4528	82.370	ug/l	100
12) 1,1-Dichloroethene	4.03	96	14900	20.312	ug/l	96
13) Acrolein	3.89	56	3879	88.254	ug/l	99
14) Allyl chloride	4.66	41	19094	19.849	ug/l	98
15) Acrylonitrile	5.37	53	12366	87.992	ug/l	98
16) Acetone	4.12	43	13671	89.589	ug/l	92
17) Carbon Disulfide	4.37	76	45075	19.857	ug/l	97
18) Methyl Acetate	4.67	43	6200	17.084	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	19462	18.481	ug/l	93
20) Methylene Chloride	4.92	84	17523	19.060	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	16150	20.018	ug/l	96
22) Diisopropyl ether	6.31	45	34591	19.204	ug/l	97
23) Vinyl Acetate	6.25	43	97245	90.871	ug/l	99
24) 1,1-Dichloroethane	6.20	63	26994	20.372	ug/l	96
25) 2-Butanone	7.17	43	15134	84.672	ug/l	94
26) 2,2-Dichloropropane	7.17	77	20241	20.875	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	17078	19.869	ug/l	98
28) Bromochloromethane	7.51	49	8308	18.389	ug/l	99
29) Tetrahydrofuran	7.52	42	9077	85.139	ug/l	99
30) Chloroform	7.67	83	30075	20.056	ug/l	99
31) Cyclohexane	7.95	56	24358	20.080	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	27489	20.128	ug/l	99
36) 1,1-Dichloropropene	8.08	75	23699	21.112	ug/l	99
37) Ethyl Acetate	7.25	43	7032	18.152	ug/l	98
38) Carbon Tetrachloride	8.06	117	26115	19.754	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122218\
 Data File : VW007748.D
 Acq On : 20 Dec 2018 15:49
 Operator : SY/AP
 Sample : VW1222SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1222SBS01

Manual Integrations
 APPROVED

apatel
 12/21/2018 11:02:36 AM

Quant Time: Dec 21 04:05:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	29160	20.905	ug/l	97
40) Benzene	8.32	78	61352	20.481	ug/l	98
41) Methacrylonitrile	7.48	41	4228	19.223	ug/l	95
42) 1,2-Dichloroethane	8.40	62	19519	19.444	ug/l	98
43) Isopropyl Acetate	8.42	43	13125	16.910	ug/l	97
44) Trichloroethene	9.09	130	18617	20.551	ug/l	92
45) 1,2-Dichloropropane	9.37	63	13809	20.776	ug/l	100
46) Dibromomethane	9.46	93	7801	19.066	ug/l	97
47) Bromodichloromethane	9.65	83	20951	19.478	ug/l	100
48) Methyl methacrylate	9.43	41	6541	16.884	ug/l	98
49) 1,4-Dioxane	9.45	88	2504	386.007	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	30882	84.192	ug/l	100
52) Toluene	10.39	92	40717	20.260	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	20530	19.189	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	22605	19.128	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	10867	19.266	ug/l	98
56) Ethyl methacrylate	10.65	69	11554	17.337	ug/l	98
57) 1,3-Dichloropropane	10.93	76	17550	18.737	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	29156	95.821	ug/l	98
59) 2-Hexanone	10.97	43	22082	85.601	ug/l	97
60) Dibromochloromethane	11.13	129	13823	18.509	ug/l	96
61) 1,2-Dibromoethane	11.24	107	10344	18.109	ug/l	100
64) Tetrachloroethene	10.87	164	15529	21.663	ug/l	95
65) Chlorobenzene	11.66	112	45499	20.765	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	16327	20.854	ug/l	98
67) Ethyl Benzene	11.73	91	81408	21.651	ug/l	99
68) m/p-Xylenes	11.84	106	63788	43.734	ug/l	99
69) o-Xylene	12.17	106	29471	21.556	ug/l	98
70) Styrene	12.18	104	48048	21.379	ug/l	99
71) Bromoform	12.35	173	7630	18.773	ug/l #	99
73) Isopropylbenzene	12.47	105	83397	20.942	ug/l	100
74) N-amyl acetate	12.27	43	12261	17.775	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	11172	18.711	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	8195m	20.125	ug/l	
77) Bromobenzene	12.75	156	18629	20.412	ug/l	97
78) n-propylbenzene	12.80	91	99577	21.481	ug/l	99
79) 2-Chlorotoluene	12.90	91	57013	21.112	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	73243	21.322	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	3397	17.511	ug/l	95
82) 4-Chlorotoluene	12.99	91	60998	21.214	ug/l	98
83) tert-Butylbenzene	13.21	119	65439	21.712	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	74628	21.531	ug/l	100
85) sec-Butylbenzene	13.39	105	90246	21.726	ug/l	100
86) p-Isopropyltoluene	13.50	119	81137	21.481	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	38361	21.170	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	38218	21.085	ug/l	99
89) n-Butylbenzene	13.83	91	75661	21.847	ug/l	98
90) Hexachloroethane	14.10	117	14094	21.254	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	33120	20.414	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2090	17.045	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122218\
Data File : VW007748.D
Acq On : 20 Dec 2018 15:49
Operator : SY/AP
Sample : VW1222SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1222SBS01

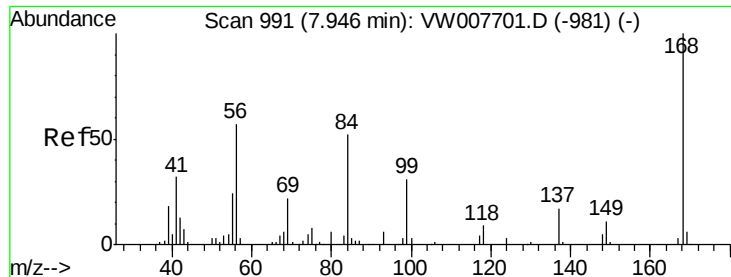
Manual Integrations
APPROVED

apatel
12/21/2018 11:02:36 AM

Quant Time: Dec 21 04:05:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	22840	20.281	ug/l	99
94) Hexachlorobutadiene	15.24	225	12936	21.494	ug/l	100
95) Naphthalene	15.37	128	39693	19.064	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	19494	20.222	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

ClientSampleId :

VW1222SBS01

Tgt Ion:168 Resp: 74349

Ion Ratio Lower Upper

168 100

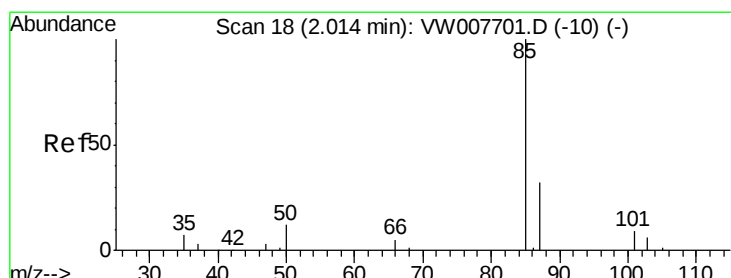
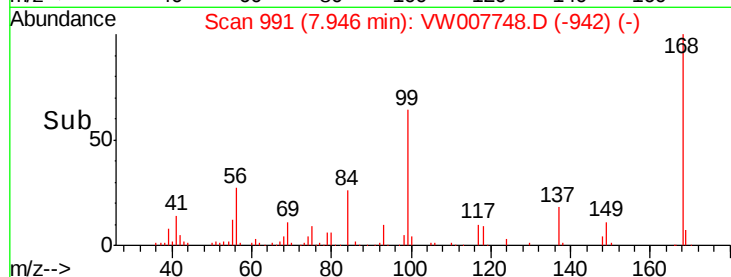
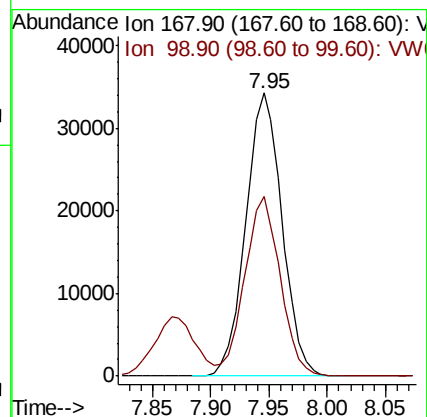
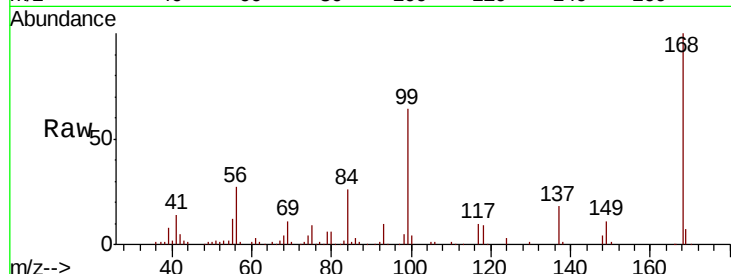
99 63.7 54.0 81.0

Manual Integrations

APPROVED

apatel

12/21/2018 11:02:36 AM



#2

Dichlorodifluoromethane

Concen: 19.658 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW007748.D

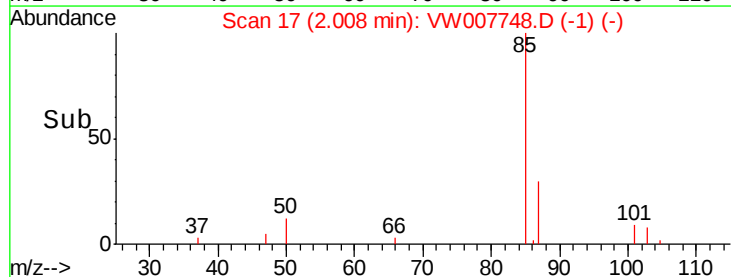
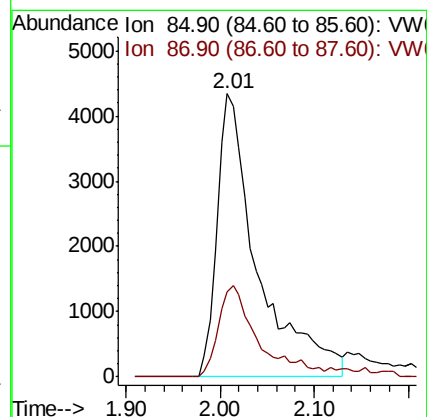
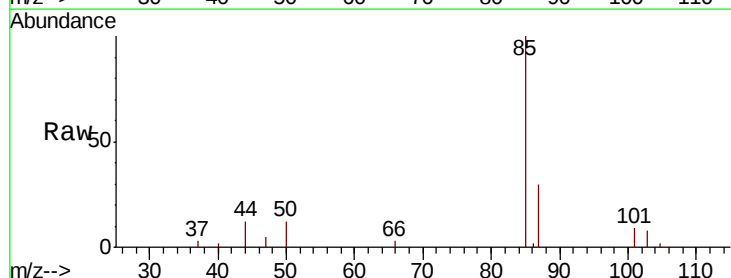
Acq: 20 Dec 2018 15:49

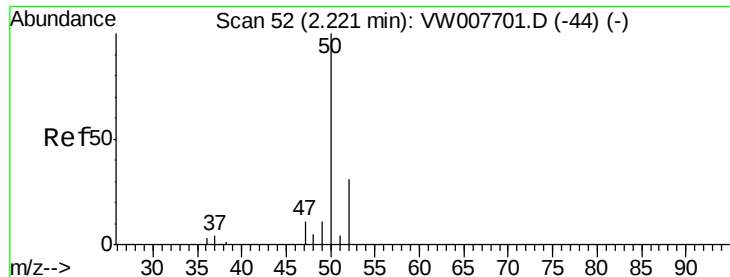
Tgt Ion: 85 Resp: 12993

Ion Ratio Lower Upper

85 100

87 29.9 16.3 48.8





#3

Chloromethane

Concen: 20.628 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

ClientSampleId :

VW1222SBS01

Tgt Ion: 50 Resp: 8372

Ion Ratio Lower Upper

50 100

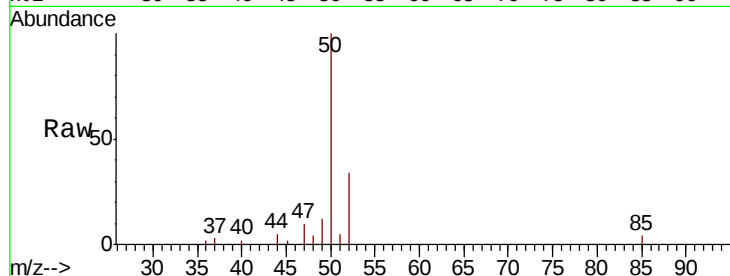
52 34.3 25.1 37.7

Manual Integrations

APPROVED

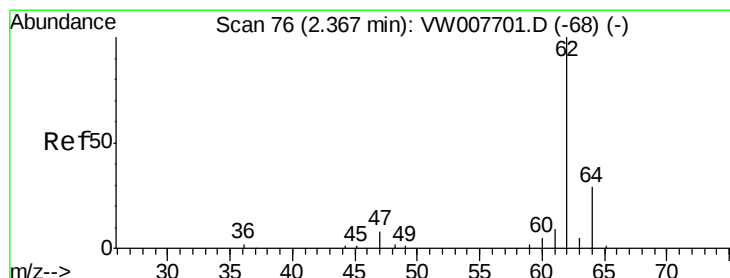
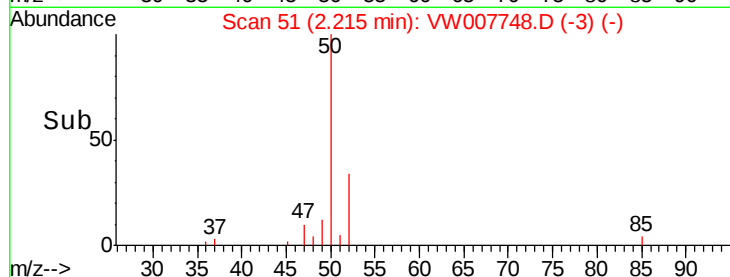
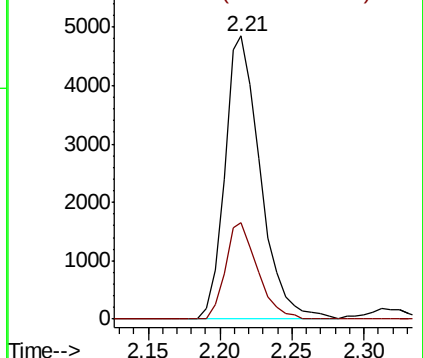
apatel

12/21/2018 11:02:36 AM



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 20.403 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW007748.D

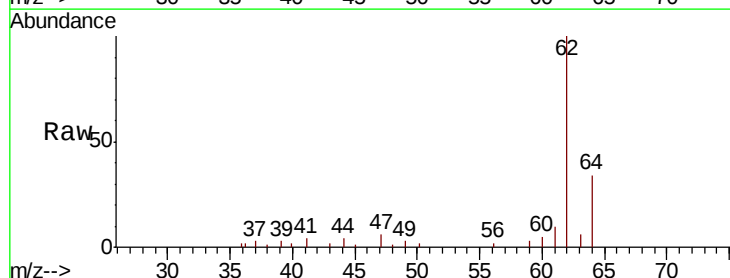
Acq: 20 Dec 2018 15:49

Tgt Ion: 62 Resp: 10541

Ion Ratio Lower Upper

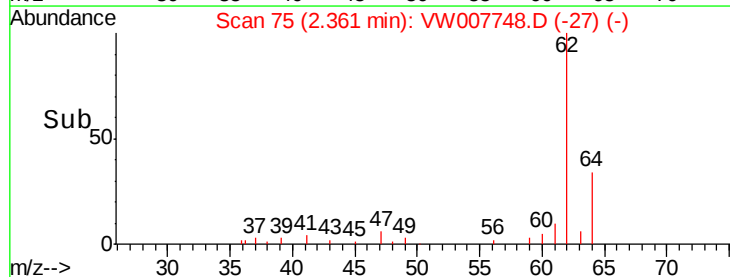
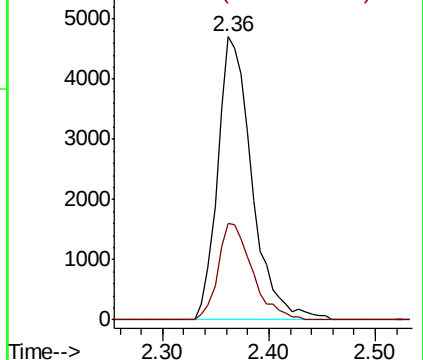
62 100

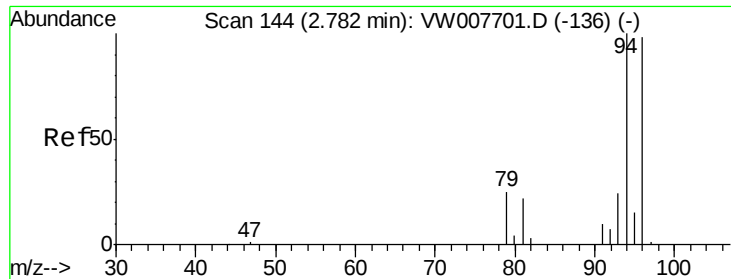
64 34.3 23.4 35.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 20.222 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

ClientSampleId :

VW1222SBS01

Tgt Ion: 94 Resp: 7277

Ion Ratio Lower Upper

94 100

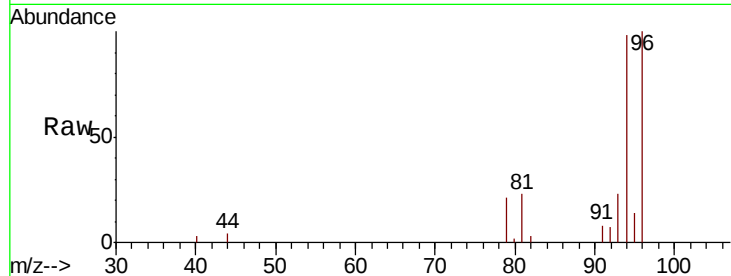
96 101.7 78.2 117.2

Manual Integrations

APPROVED

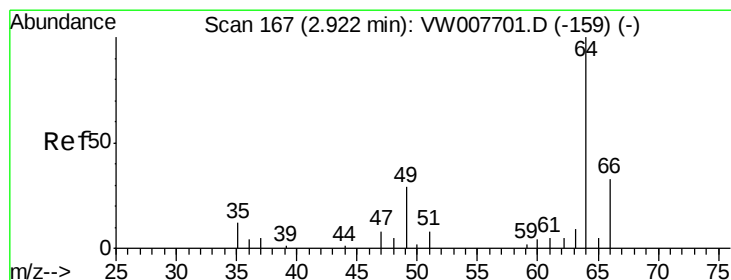
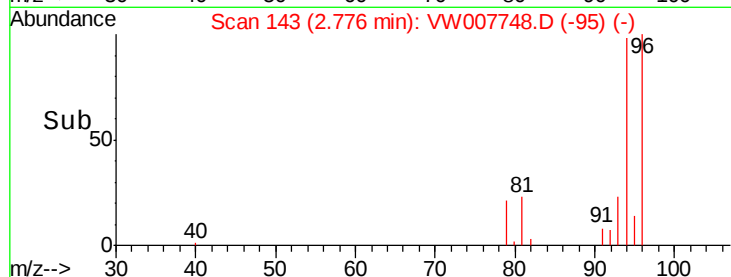
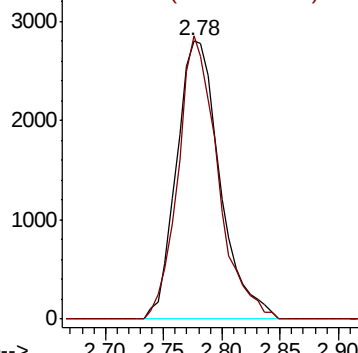
apatel

12/21/2018 11:02:36 AM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 19.732 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW007748.D

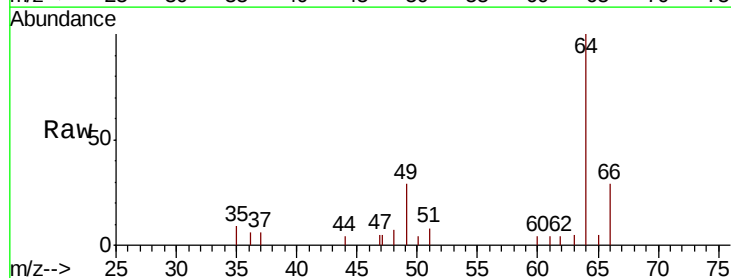
Acq: 20 Dec 2018 15:49

Tgt Ion: 64 Resp: 5454

Ion Ratio Lower Upper

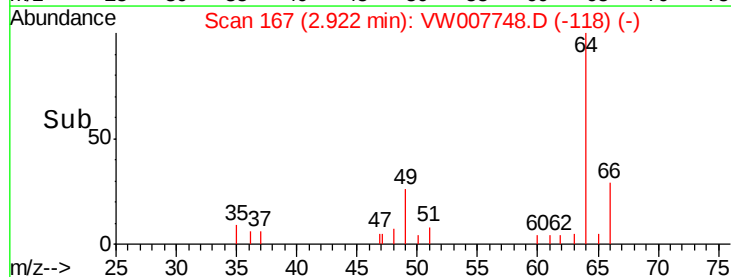
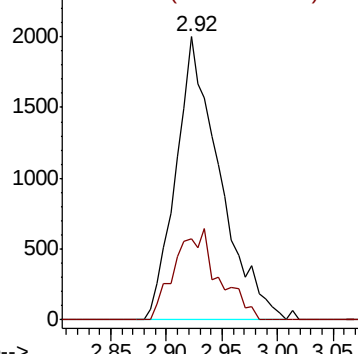
64 100

66 28.8 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

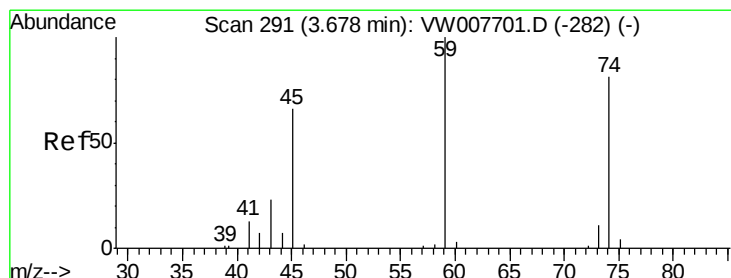
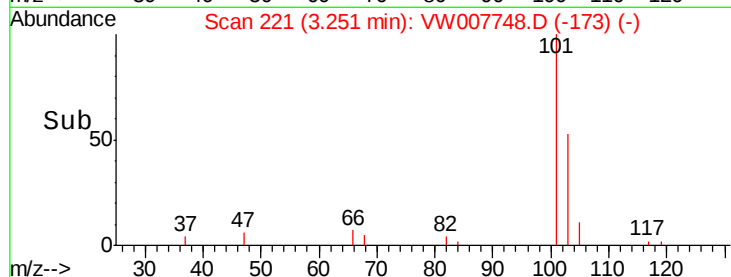
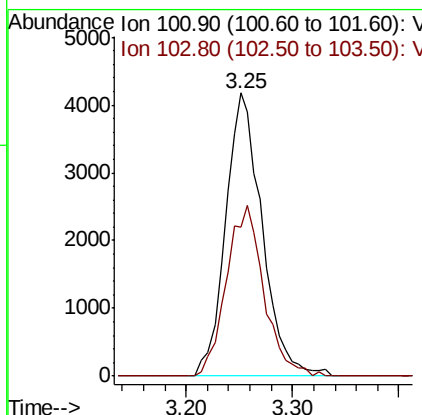
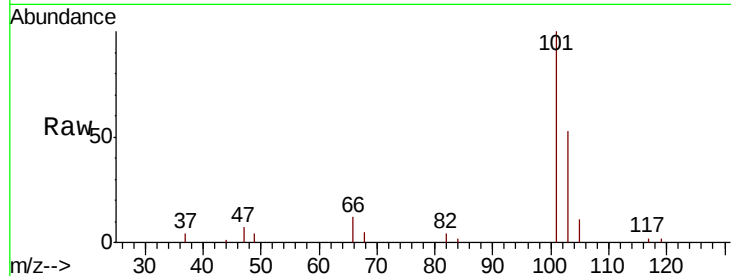
Trichlorofluoromethane
 Concen: 18.623 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1222SBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	52.7	53.4	80.2#

Manual Integrations
 APPROVED

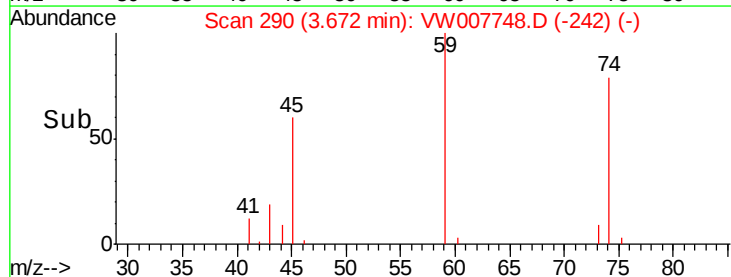
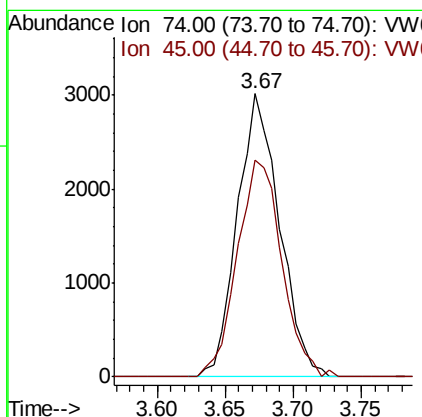
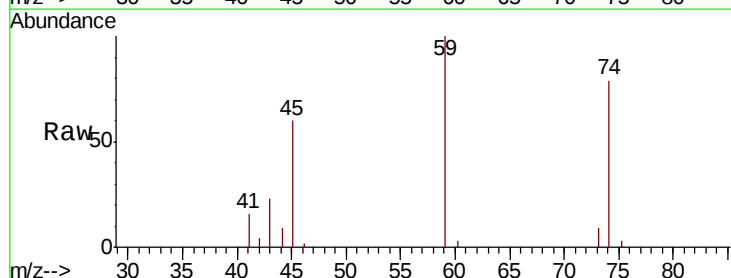
apatel
 12/21/2018 11:02:36 AM

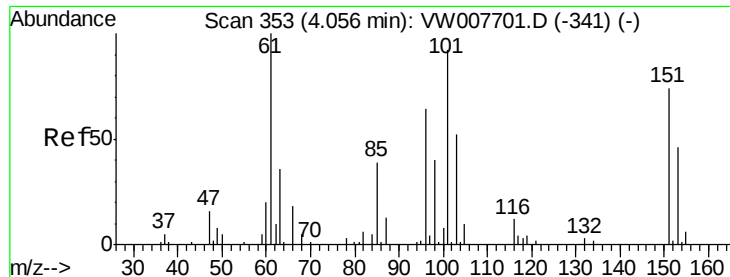


#8

Diethyl Ether
 Concen: 19.833 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.0	39.4	118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.454 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

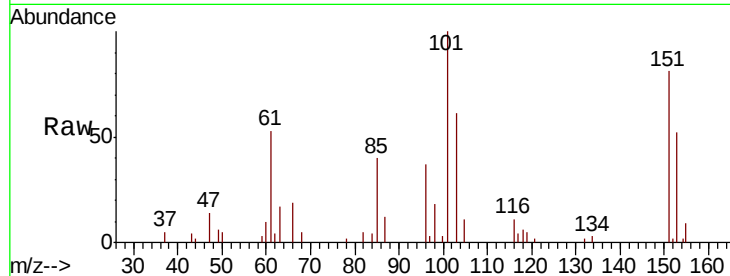
ClientSampleId :

VW1222SBS01

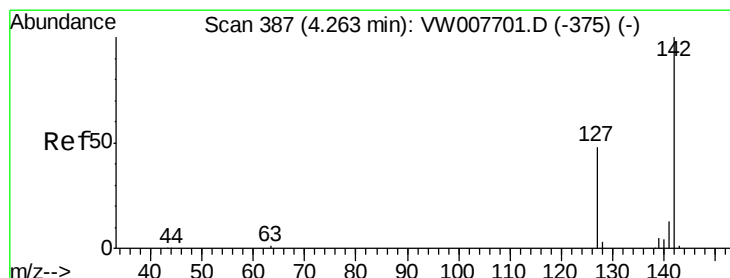
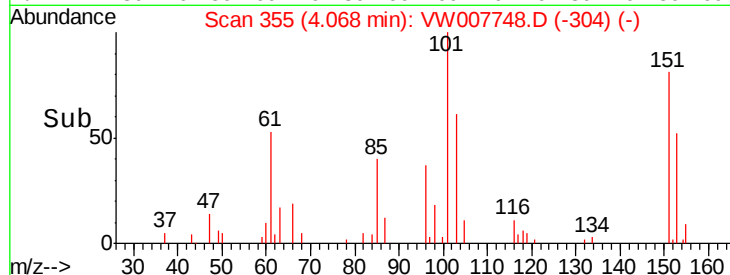
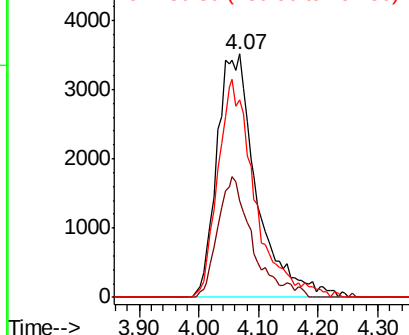
Tgt Ion:	101	Resp:	16203
Ion Ratio	Lower	Upper	
101	100		
85	41.4	34.3	51.5
151	83.6	64.6	96.8

Manual Integrations
APPROVED

apatel
12/21/2018 11:02:36 AM



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



#10

Methyl Iodide

Concen: 19.907 ug/l

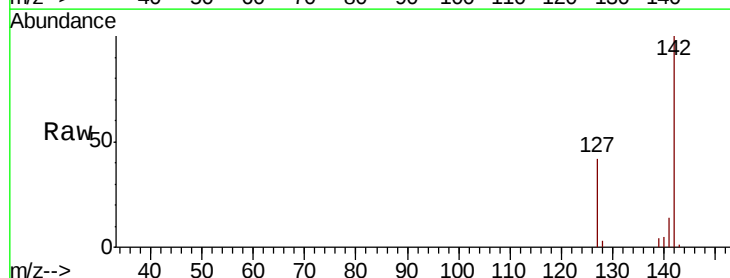
RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

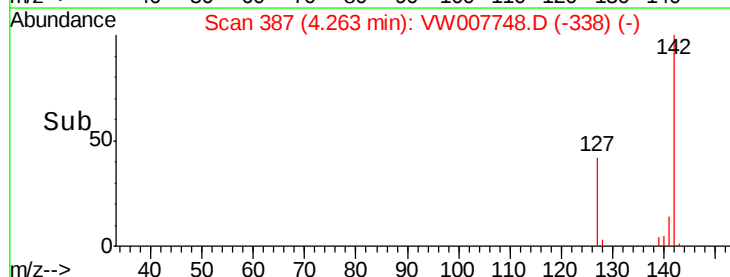
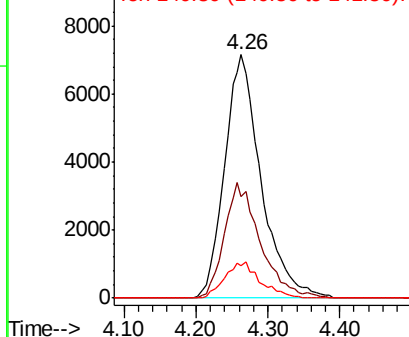
Lab File: VW007748.D

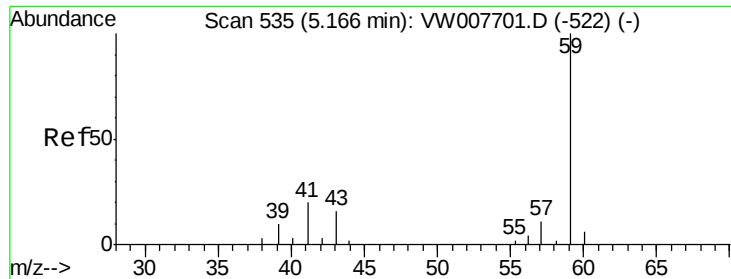
Acq: 20 Dec 2018 15:49

Tgt Ion:	142	Resp:	25078
Ion Ratio	Lower	Upper	
142	100		
127	46.7	37.7	56.5
141	14.5	11.5	17.3



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





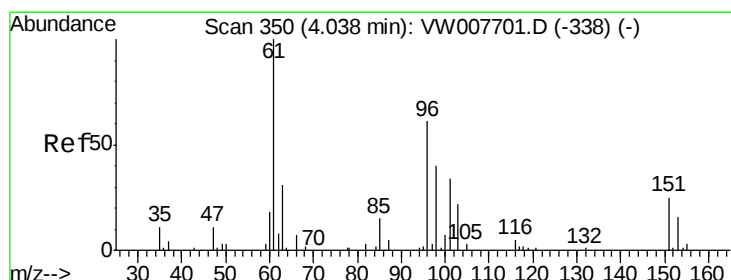
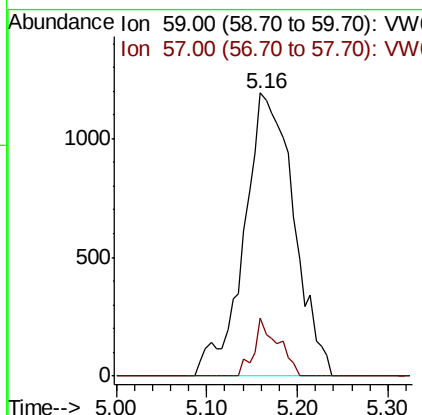
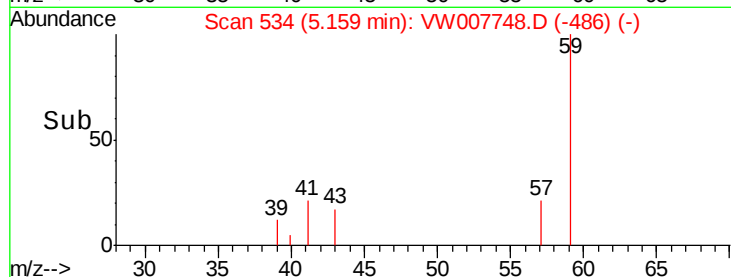
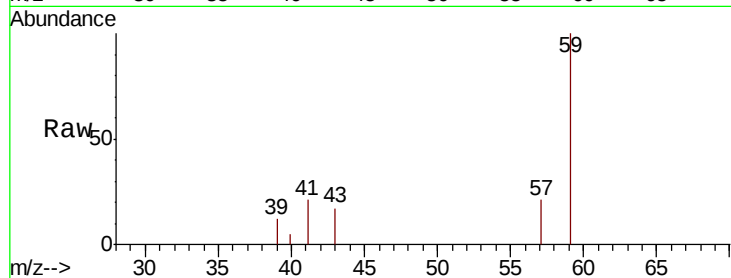
#11
Tert butyl alcohol
Concen: 82.370 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Instrument :
MSVOA_W
ClientSampleId :
VW1222SBS01

Tgt Ion: 59 Resp: 4528
Ion Ratio Lower Upper
59 100
57 9.9 7.8 11.8

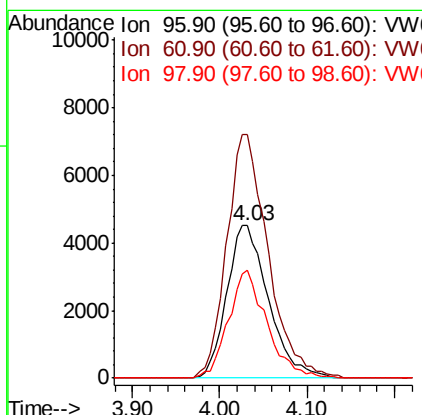
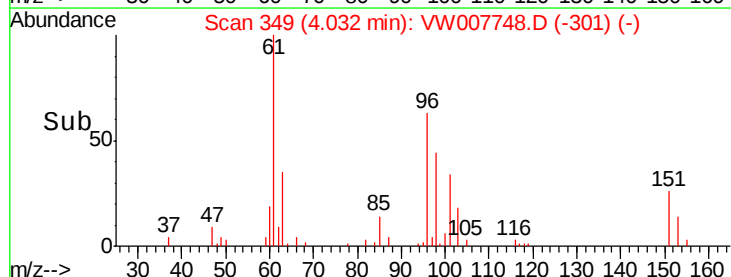
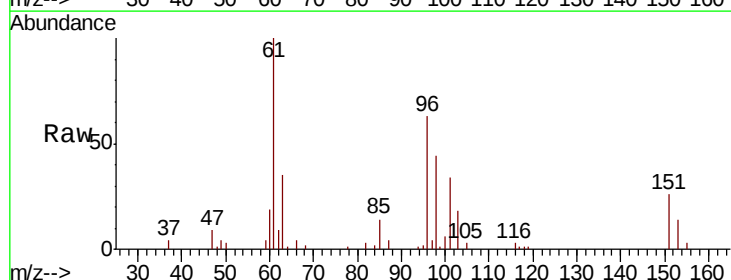
Manual Integrations
APPROVED

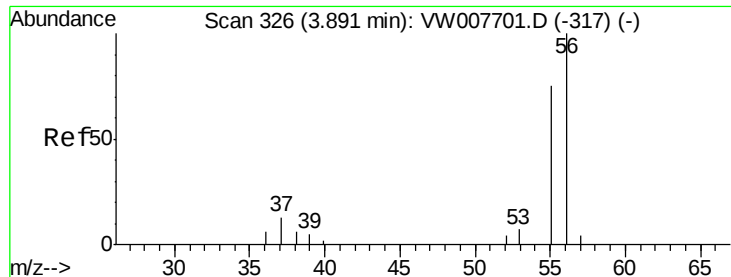
apatel
12/21/2018 11:02:36 AM



#12
1,1-Dichloroethene
Concen: 20.312 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion: 96 Resp: 14900
Ion Ratio Lower Upper
96 100
61 159.8 130.6 195.8
98 70.8 52.3 78.5





#13

Acrolein

Concen: 88.254 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

ClientSampleId :

VW1222SBS01

Tgt Ion: 56 Resp: 3879

Ion Ratio Lower Upper

56 100

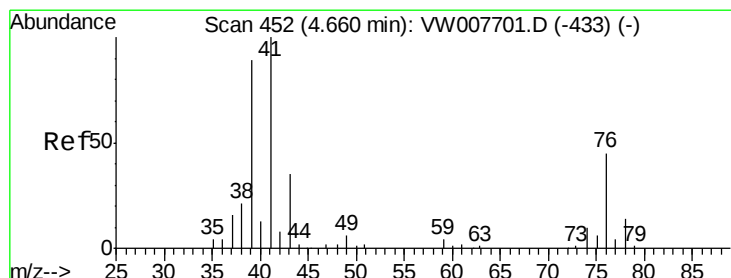
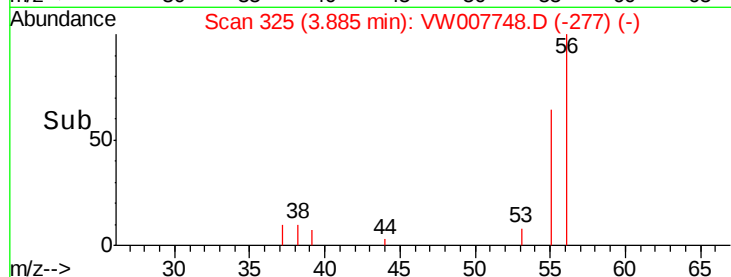
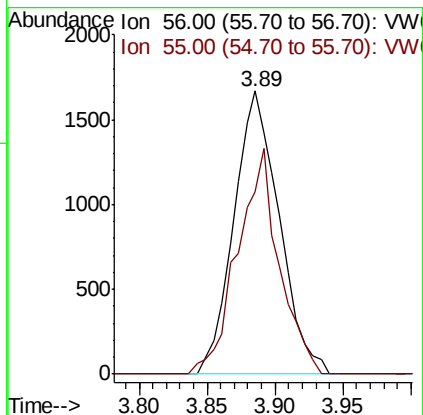
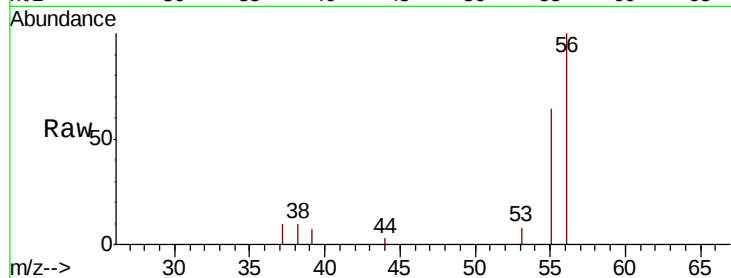
55 73.0 57.7 86.5

Manual Integrations

APPROVED

apatel

12/21/2018 11:02:36 AM



#14

Allyl chloride

Concen: 19.849 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

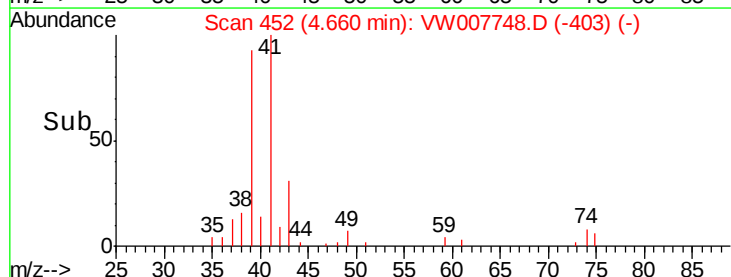
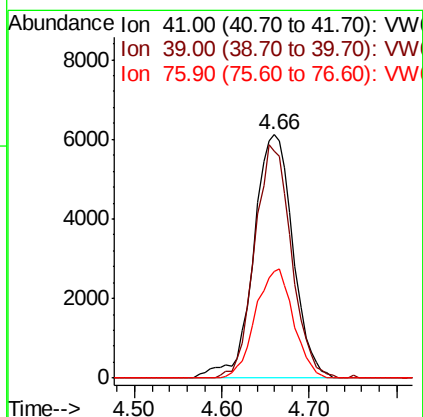
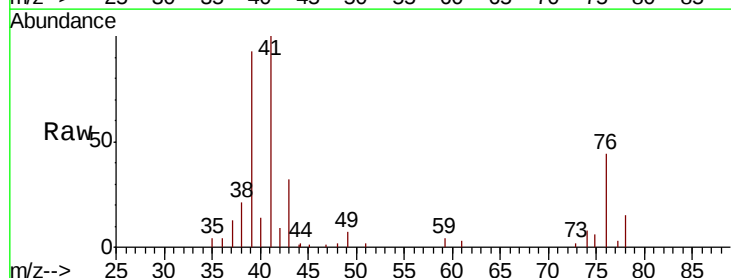
Tgt Ion: 41 Resp: 19094

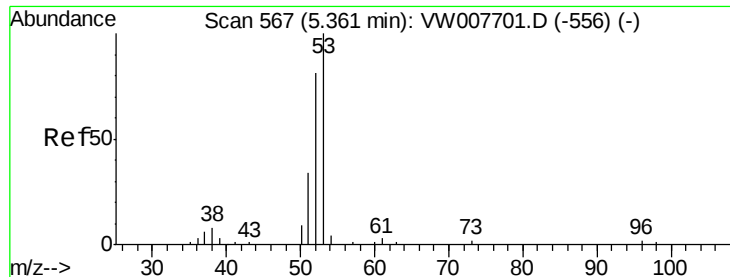
Ion Ratio Lower Upper

41 100

39 89.6 69.5 104.3

76 43.3 34.8 52.2





#15

Acrylonitrile

Concen: 87.992 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

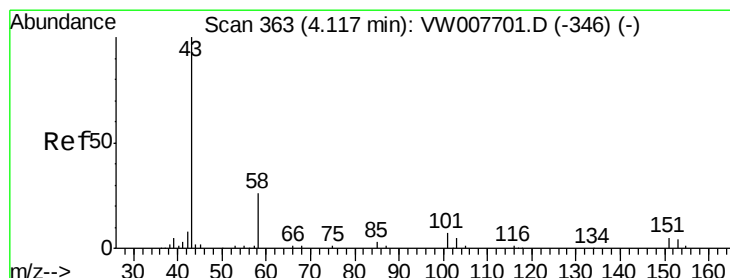
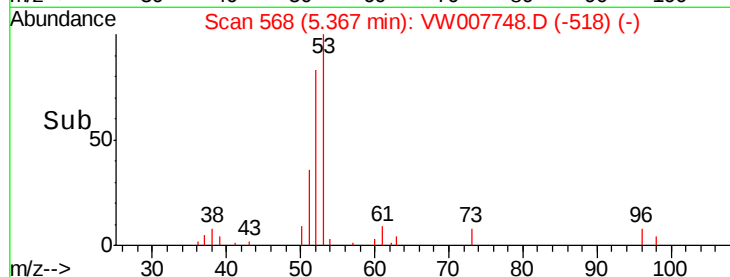
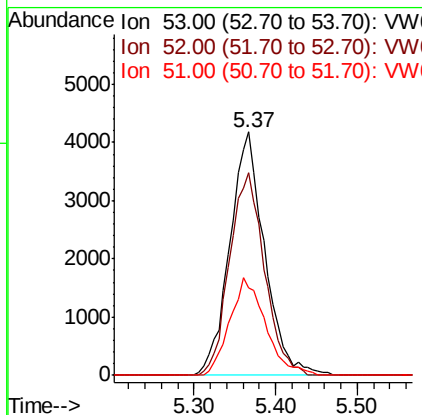
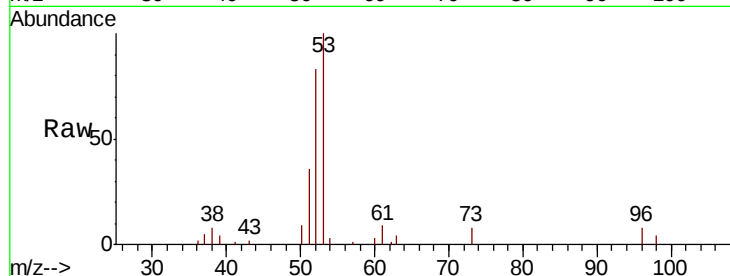
ClientSampleId :

VW1222SBS01

Tgt Ion:	53	Resp:	12366
Ion	Ratio	Lower	Upper
53	100		
52	83.1	67.0	100.4
51	41.0	30.2	45.2

Manual Integrations
APPROVED

apatel
12/21/2018 11:02:36 AM



#16

Acetone

Concen: 89.589 ug/l

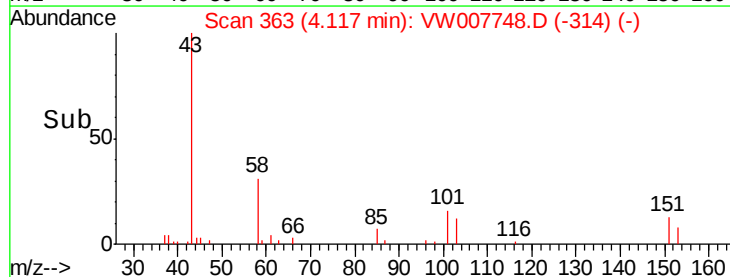
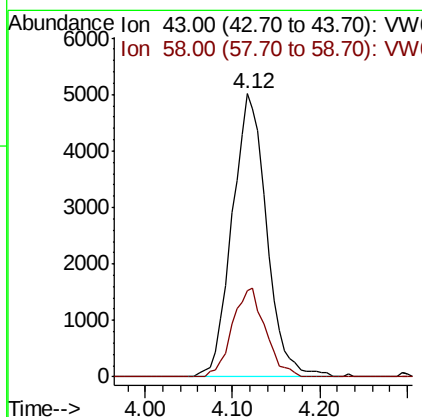
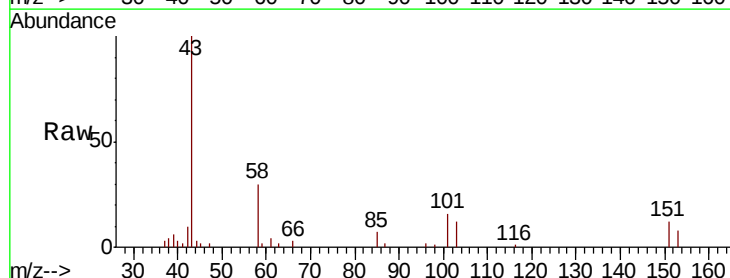
RT: 4.12 min Scan# 363

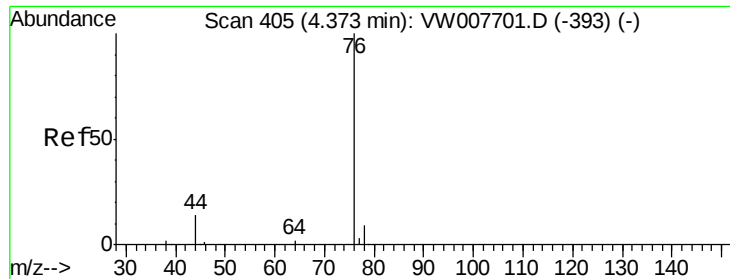
Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Tgt Ion:	43	Resp:	13671
Ion	Ratio	Lower	Upper
43	100		
58	30.4	21.2	31.8





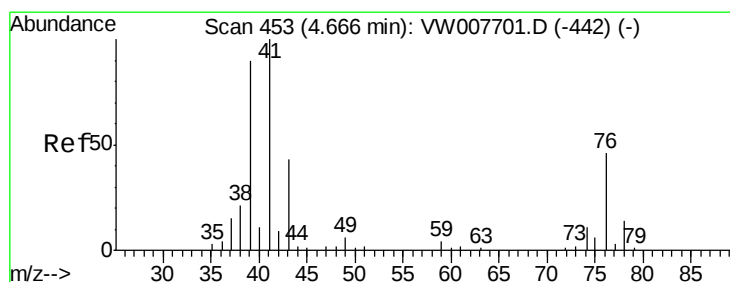
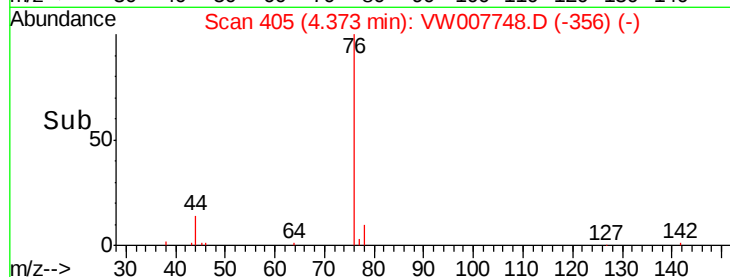
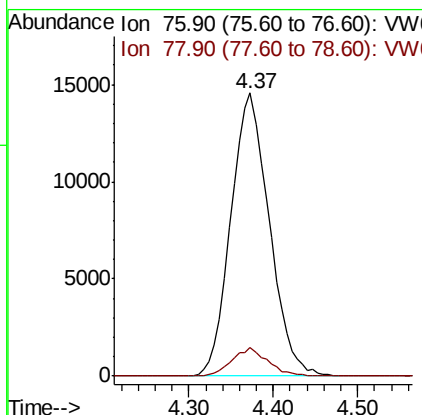
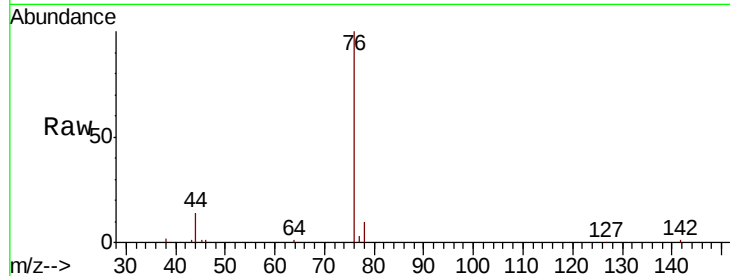
#17
Carbon Disulfide
Concen: 19.857 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Instrument :
MSVOA_W
ClientSampleId :
VW1222SBS01

Tgt Ion: 76 Resp: 45075
Ion Ratio Lower Upper
76 100
78 10.3 7.3 10.9

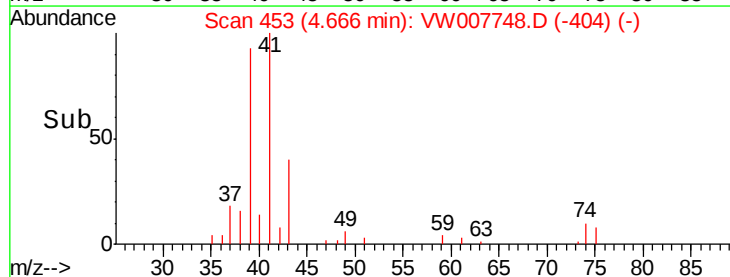
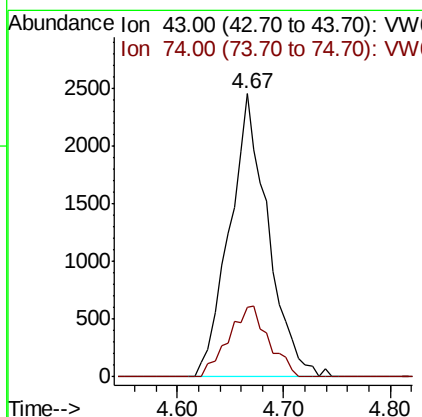
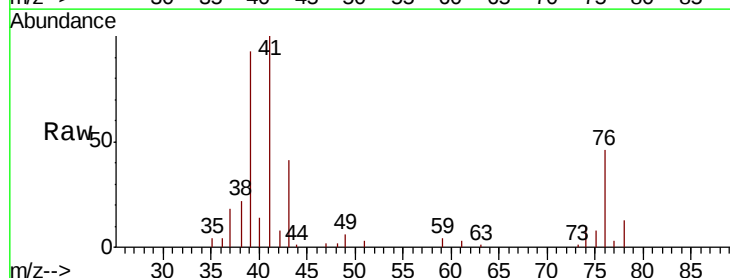
Manual Integrations
APPROVED

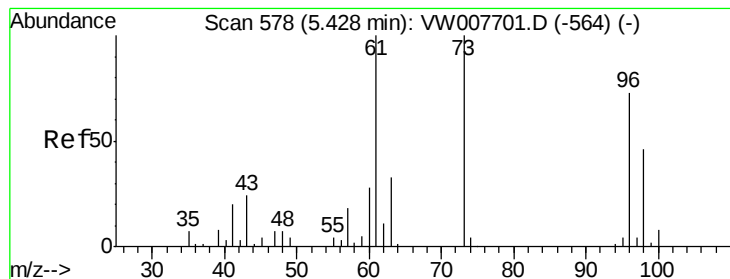
apatel
12/21/2018 11:02:36 AM



#18
Methyl Acetate
Concen: 17.084 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion: 43 Resp: 6200
Ion Ratio Lower Upper
43 100
74 26.0 22.7 34.1





#19

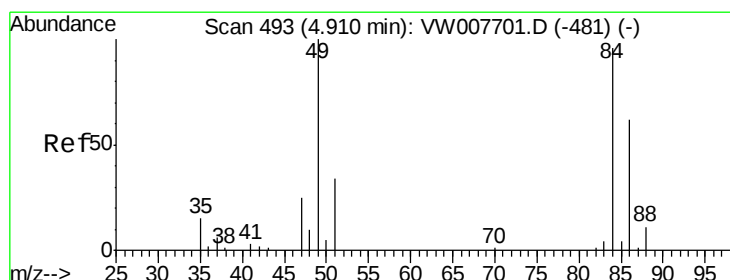
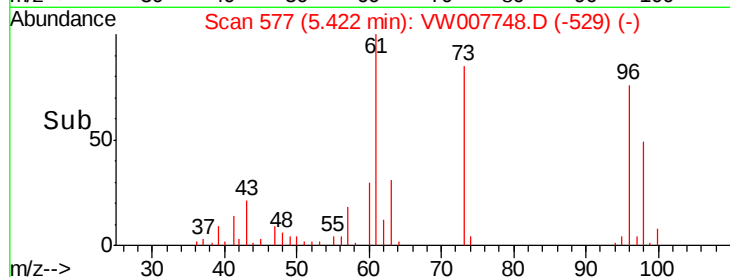
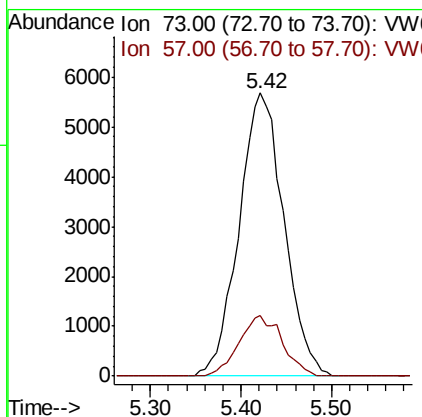
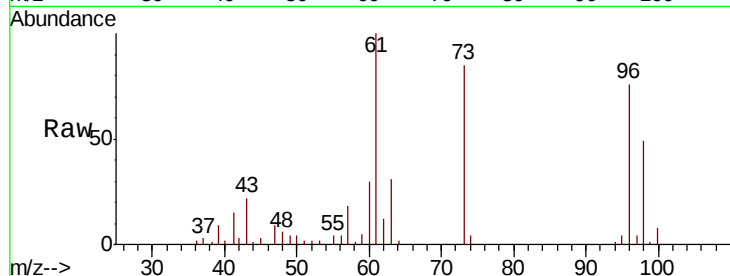
Methyl tert-butyl Ether
 Concen: 18.481 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1222SBS01

Tgt Ion: 73 Resp: 19462
 Ion Ratio Lower Upper
 73 100
 57 21.5 14.7 22.1

Manual Integrations
 APPROVED

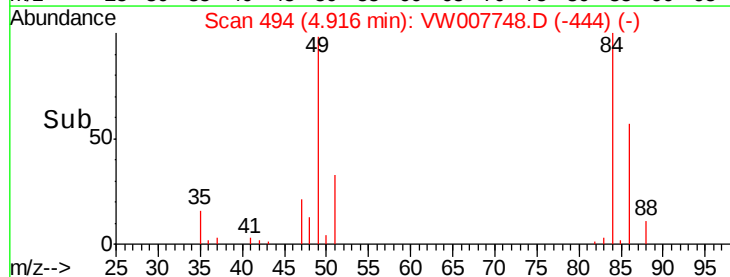
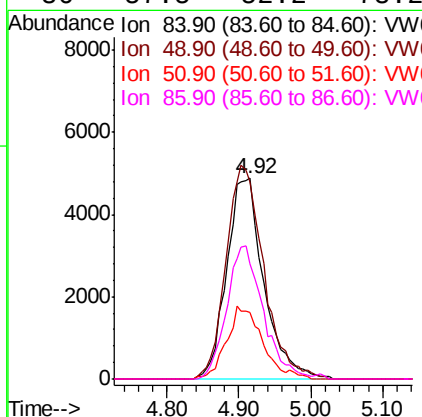
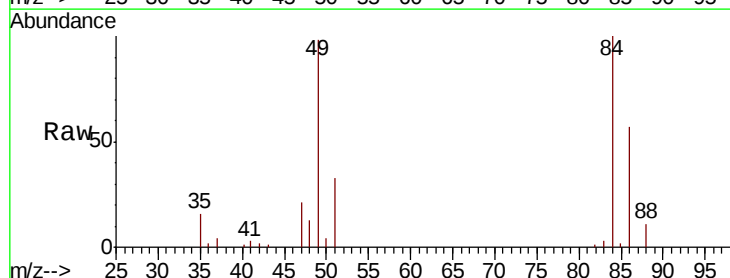
apatel
 12/21/2018 11:02:36 AM

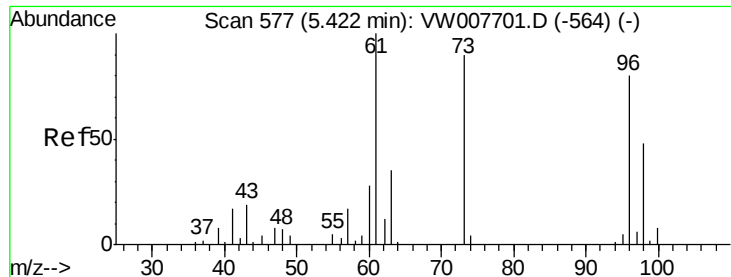


#20

Methylene Chloride
 Concen: 19.060 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Tgt Ion: 84 Resp: 17523
 Ion Ratio Lower Upper
 84 100
 49 98.1 83.7 125.5
 51 33.1 28.2 42.2
 86 57.5 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 20.018 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

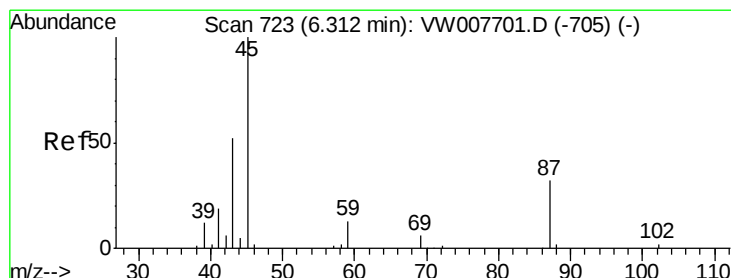
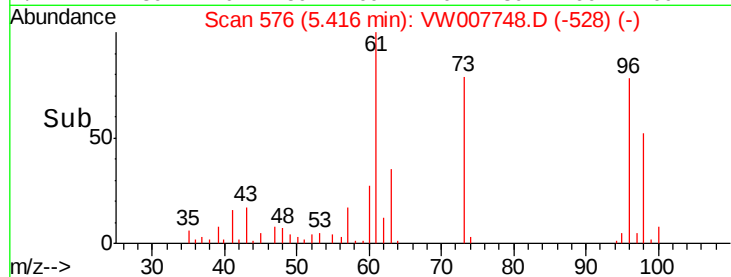
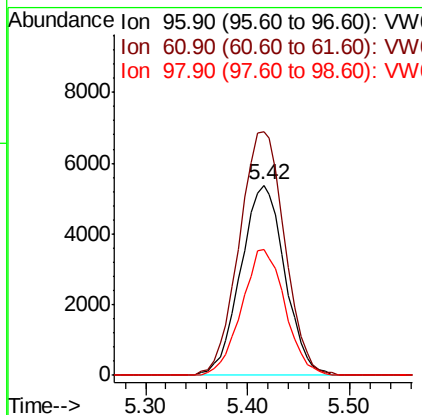
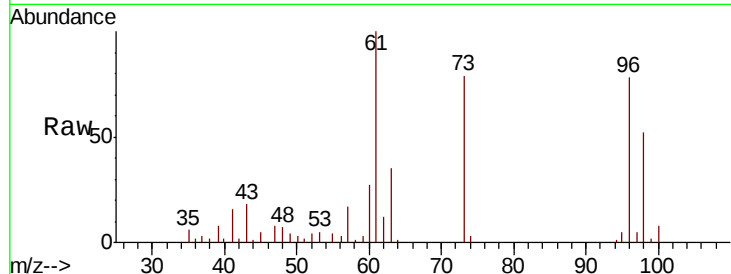
ClientSampleId :

VW1222SBS01

Tgt Ion:	96	Resp:	16150
Ion	Ratio	Lower	Upper
96	100		
61	128.3	100.1	150.1
98	66.4	48.5	72.7

Manual Integrations
APPROVED

apatel
12/21/2018 11:02:36 AM



#22

Diisopropyl ether

Concen: 19.204 ug/l

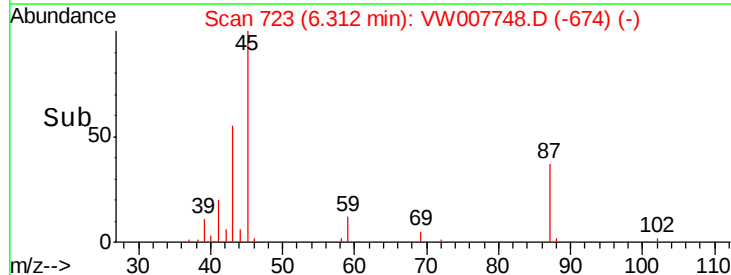
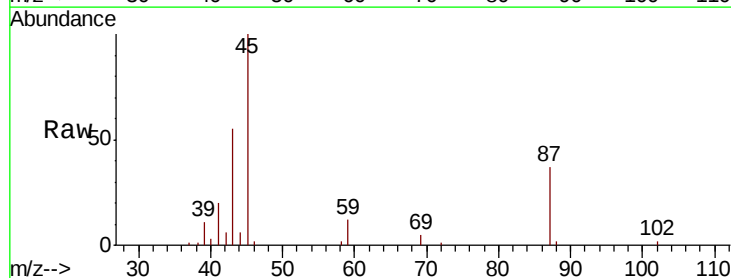
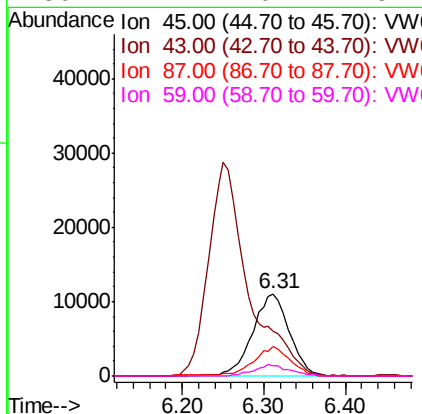
RT: 6.31 min Scan# 723

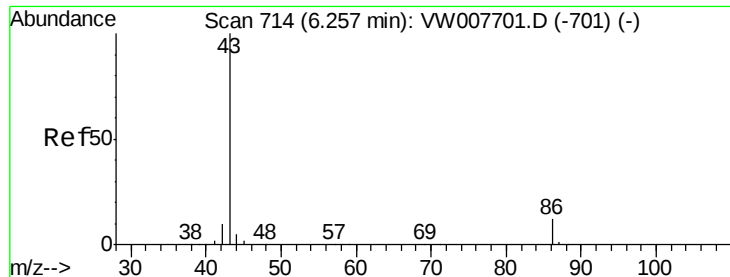
Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Tgt Ion:	45	Resp:	34591
Ion	Ratio	Lower	Upper
45	100		
43	53.8	43.7	65.5
87	36.5	26.6	40.0
59	12.2	10.2	15.2





#23

Vinyl Acetate

Concen: 90.871 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

ClientSampleId :

VW1222SBS01

Tgt Ion: 43 Resp: 97245

Ion Ratio Lower Upper

43 100

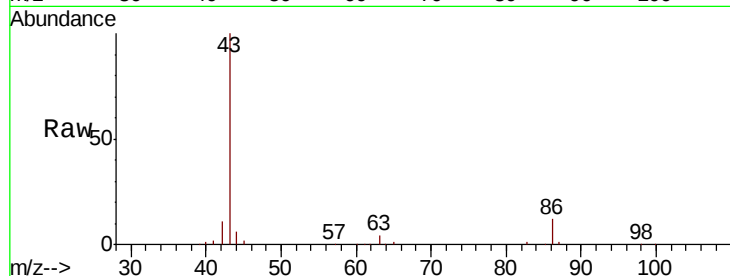
86 11.8 9.6 14.4

Manual Integrations

APPROVED

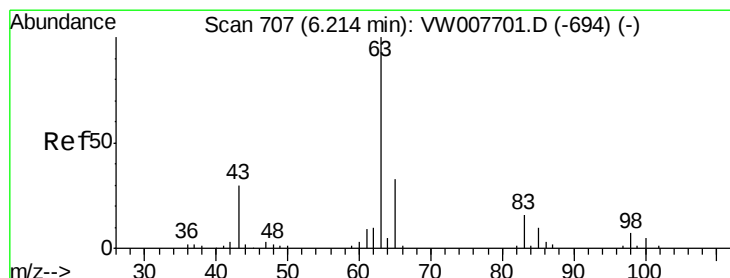
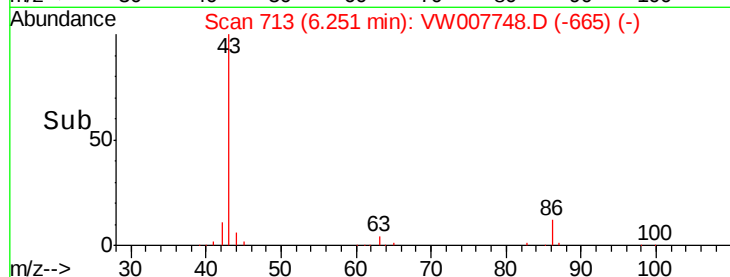
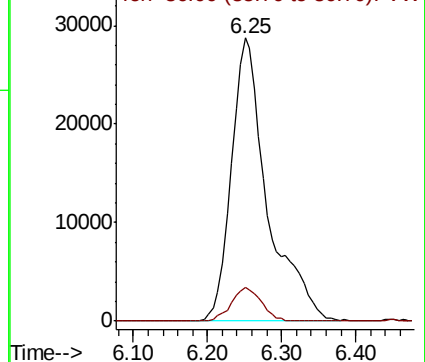
apatel

12/21/2018 11:02:36 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.372 ug/l

RT: 6.20 min Scan# 705

Delta R.T. -0.01 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

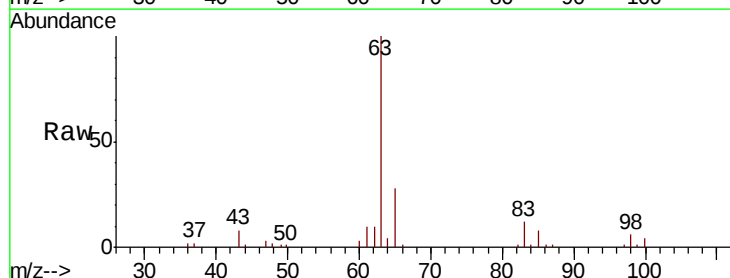
Tgt Ion: 63 Resp: 26994

Ion Ratio Lower Upper

63 100

98 6.0 3.6 10.9

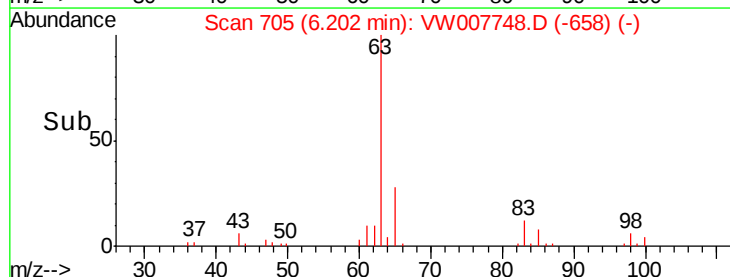
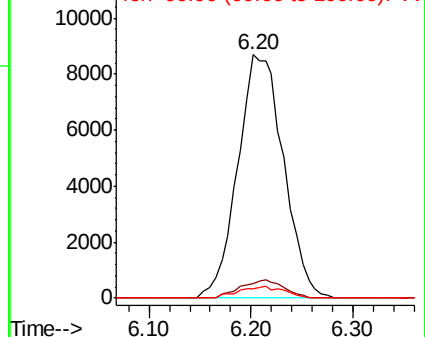
100 3.7 2.5 7.5

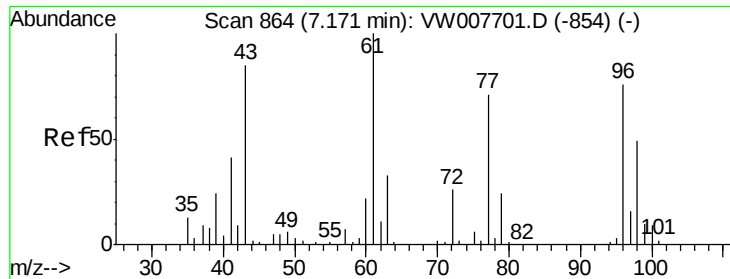


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 84.672 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

ClientSampleId :

VW1222SBS01

Tgt Ion: 43 Resp: 15134

Ion Ratio Lower Upper

43 100

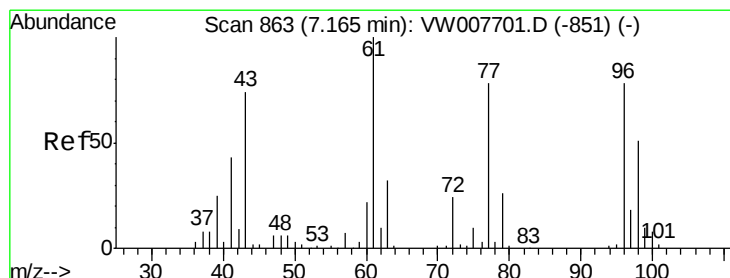
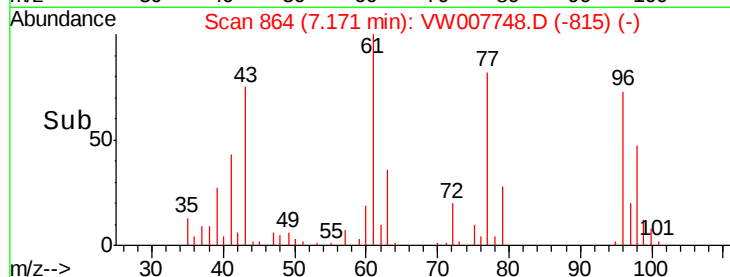
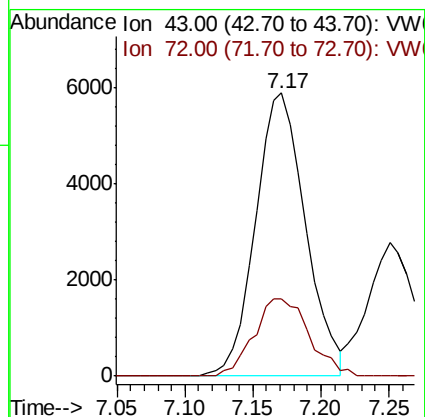
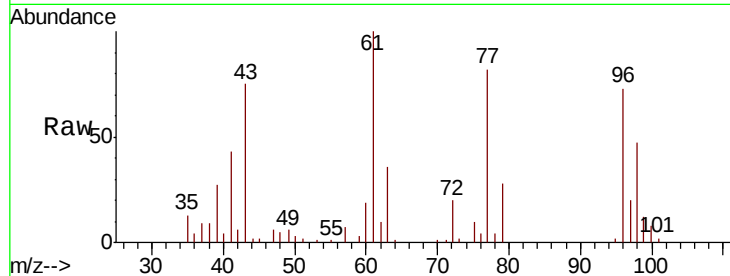
72 27.3 24.5 36.7

Manual Integrations

APPROVED

apatel

12/21/2018 11:02:36 AM



#26

2,2-Dichloropropane

Concen: 20.875 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007748.D

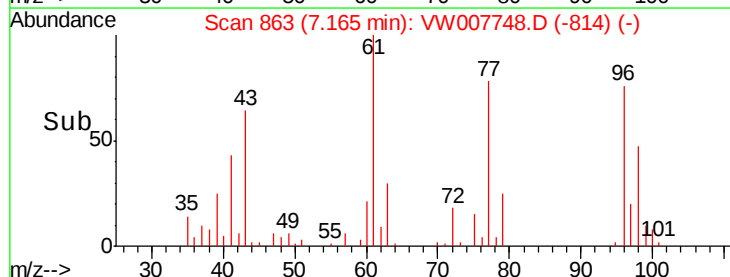
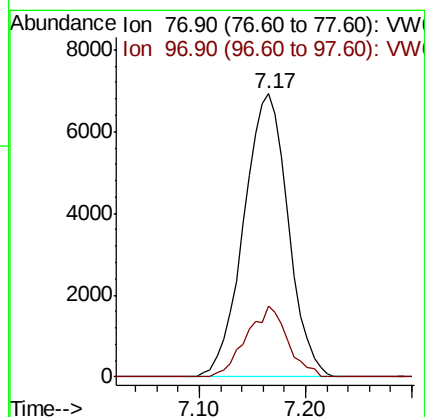
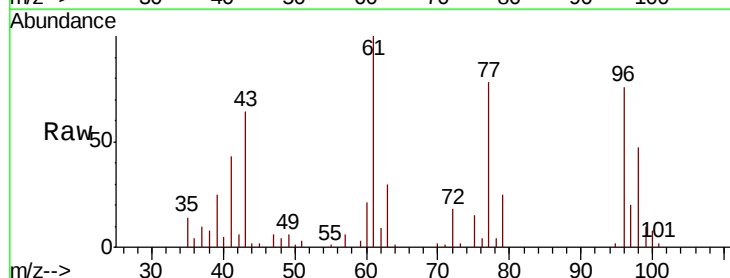
Acq: 20 Dec 2018 15:49

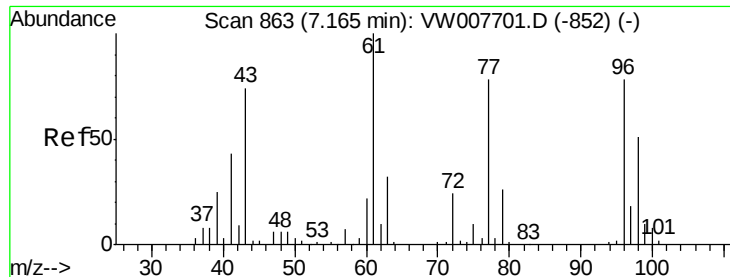
Tgt Ion: 77 Resp: 20241

Ion Ratio Lower Upper

77 100

97 23.1 11.3 33.9





#27

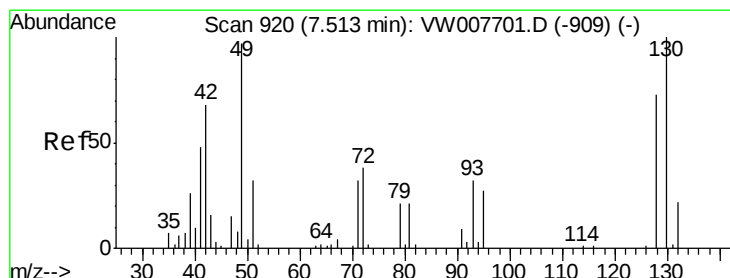
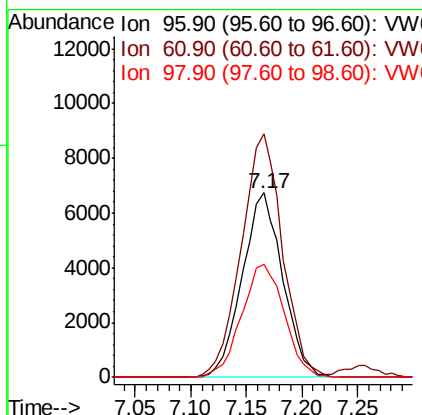
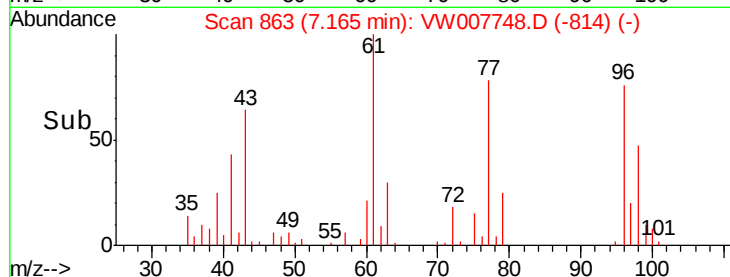
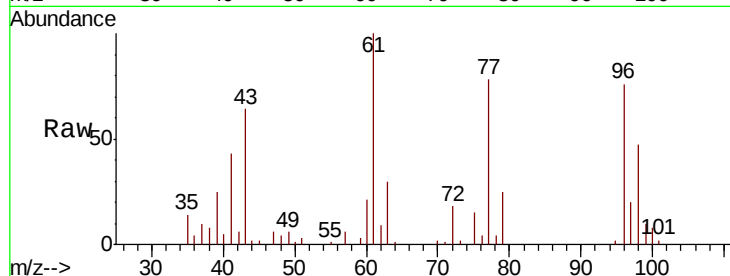
cis-1,2-Dichloroethene
Concen: 19.869 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Instrument :
MSVOA_W
ClientSampleId :
VW1222SBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.7	0.0	271.6
98	64.2	0.0	131.2

Manual Integrations
APPROVED

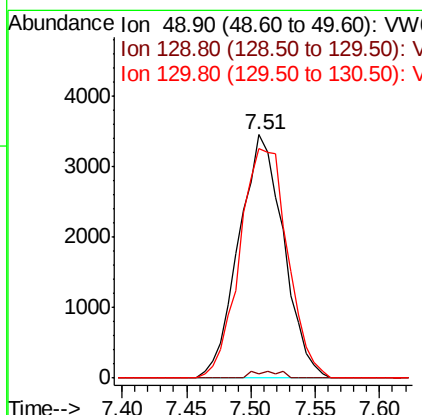
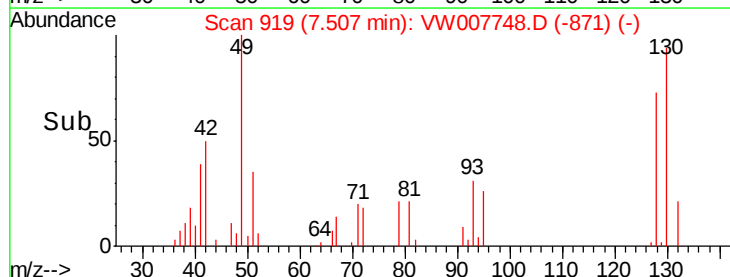
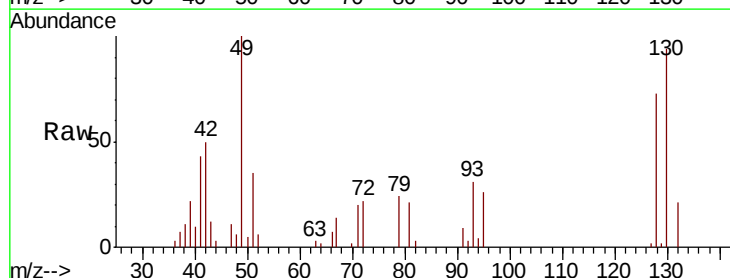
apatel
12/21/2018 11:02:36 AM

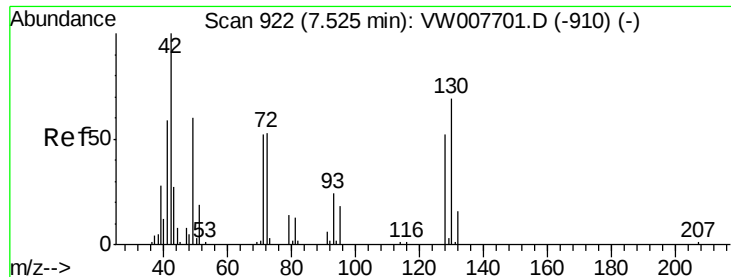


#28

Bromochloromethane
Concen: 18.389 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	2.2
130	100.7	81.5	122.3





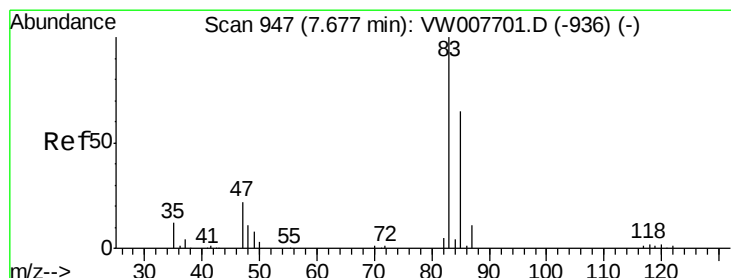
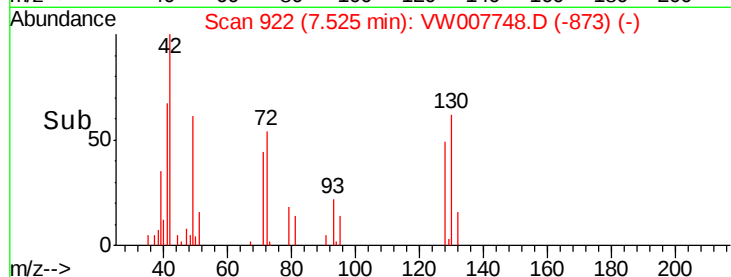
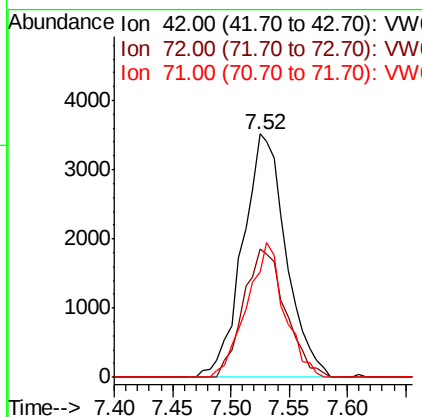
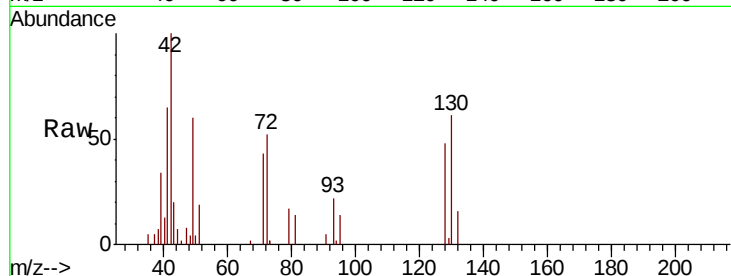
#29
Tetrahydrofuran
Concen: 85.139 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Instrument :
MSVOA_W
ClientSampleId :
VW1222SBS01

Tgt Ion: 42 Resp: 9077
Ion Ratio Lower Upper
42 100
72 51.3 41.7 62.5
71 48.2 39.0 58.6

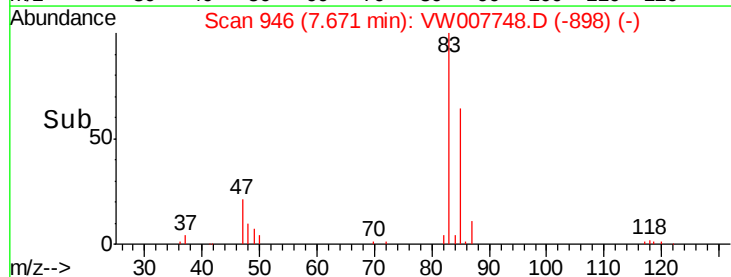
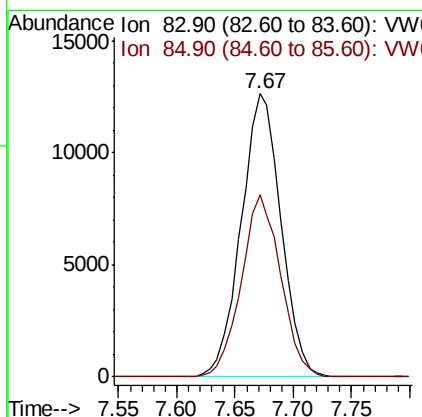
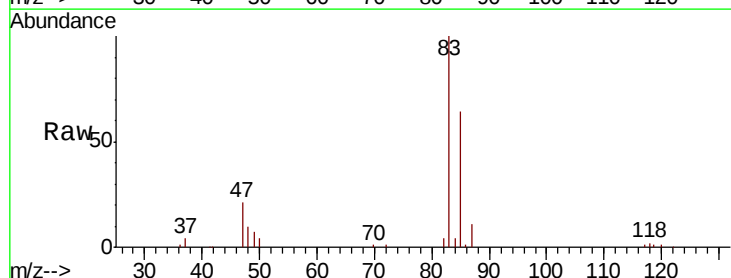
Manual Integrations
APPROVED

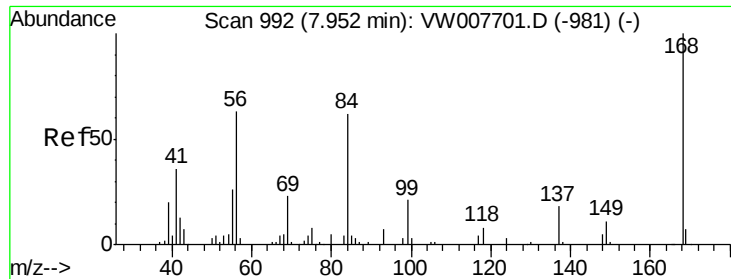
apatel
12/21/2018 11:02:36 AM



#30
Chloroform
Concen: 20.056 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion: 83 Resp: 30075
Ion Ratio Lower Upper
83 100
85 64.2 52.2 78.2





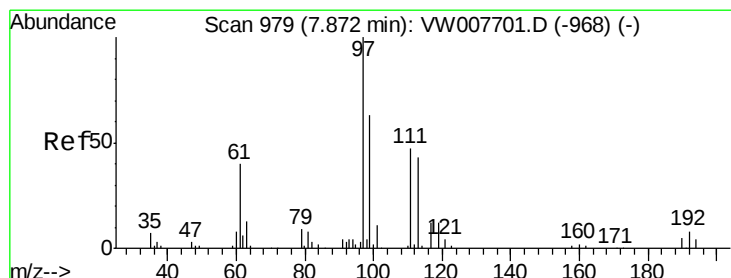
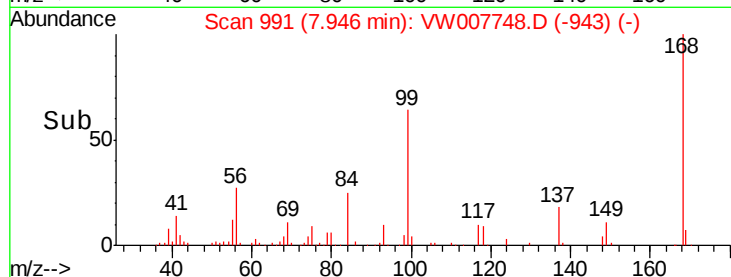
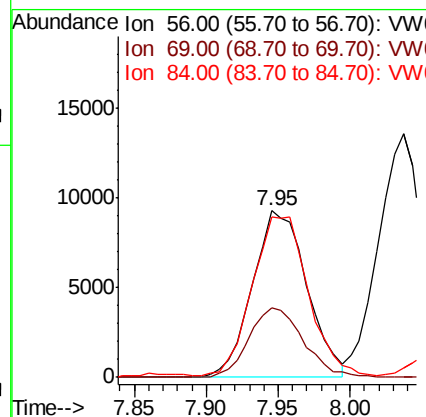
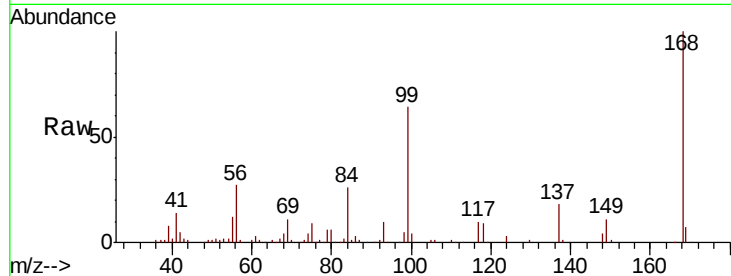
#31
Cyclohexane
Concen: 20.080 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Instrument :
MSVOA_W
ClientSampleId :
VW1222SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	41.7	29.7	44.5
84	95.6	78.9	118.3

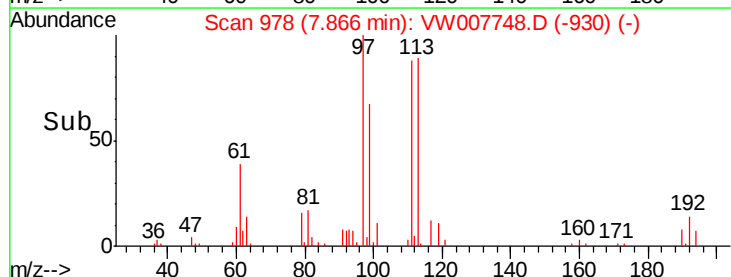
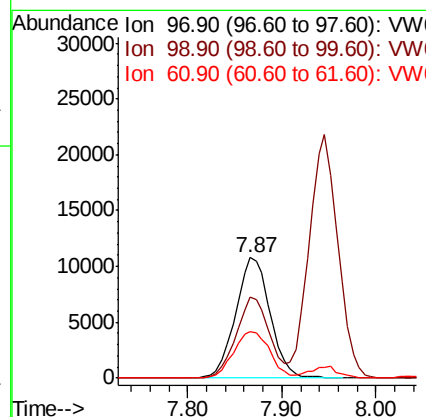
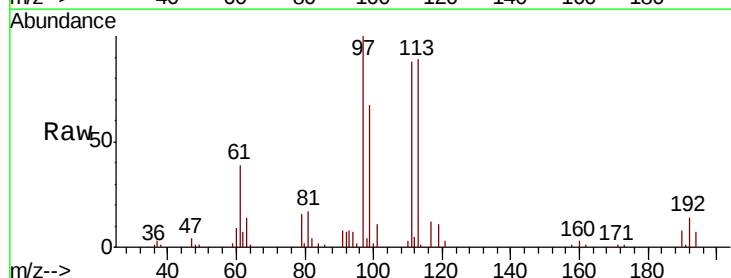
Manual Integrations
APPROVED

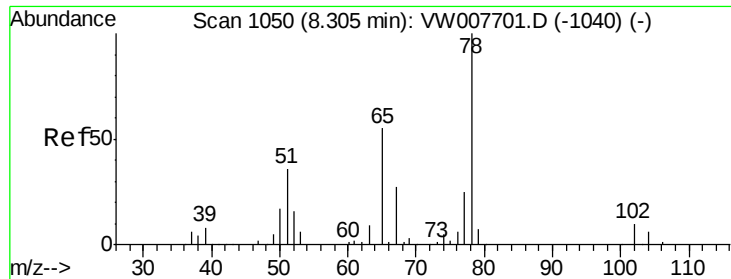
apatel
12/21/2018 11:02:36 AM



#32
1,1,1-Trichloroethane
Concen: 20.128 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.6	76.0
61	40.7	32.3	48.5





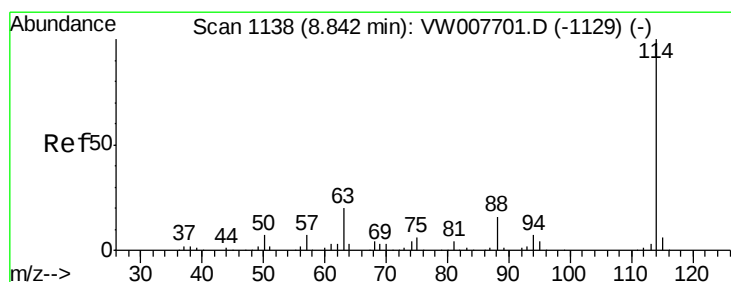
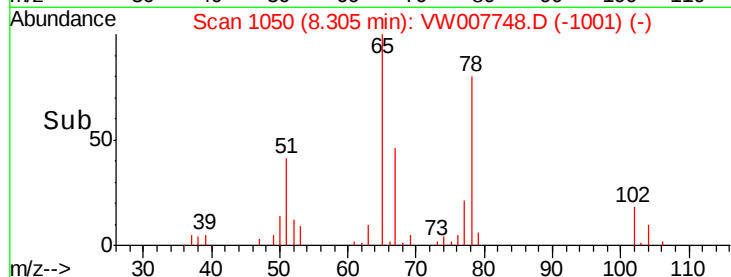
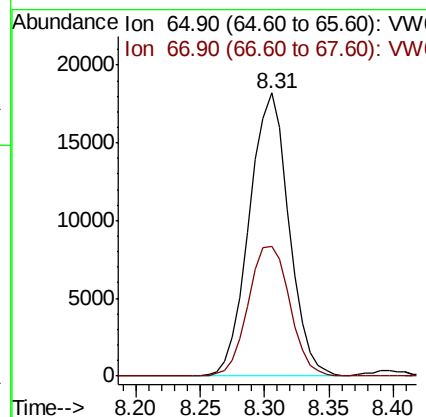
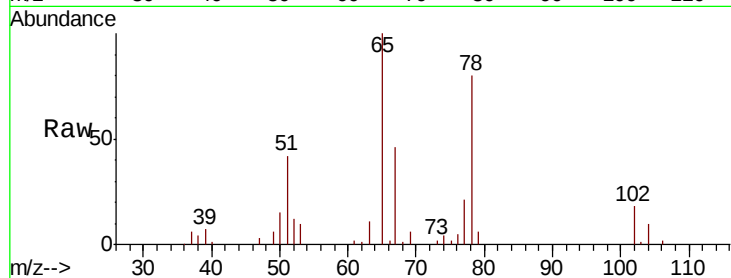
#33
 1,2-Dichloroethane-d4
 Concen: 47.715 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1222SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	38883		
67	48.0	0.0	100.6	

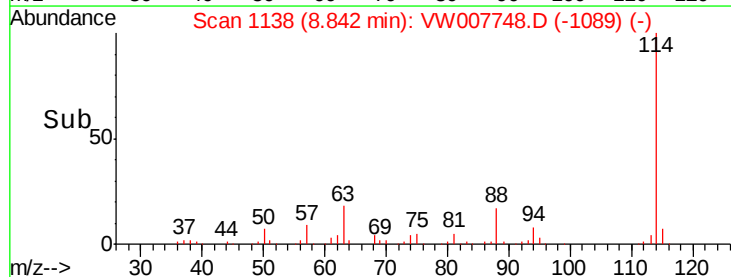
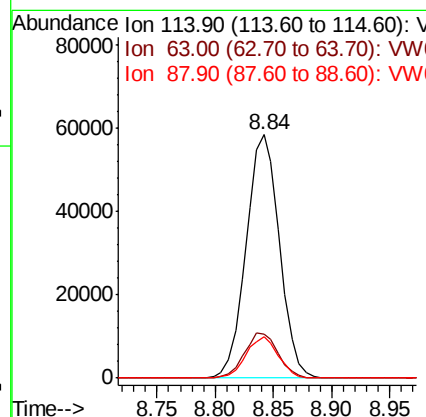
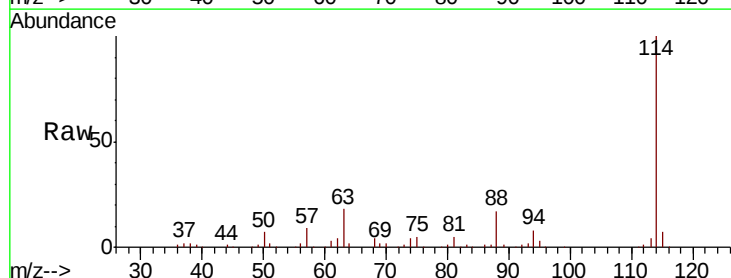
Manual Integrations
 APPROVED

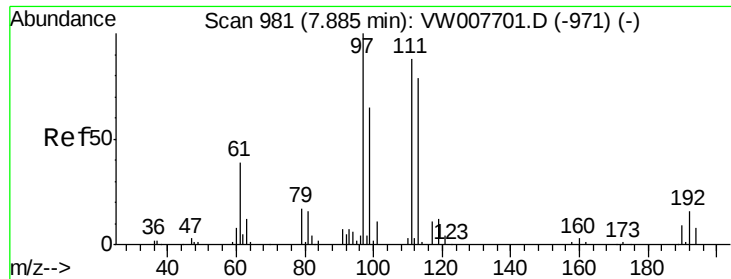
apatel
 12/21/2018 11:02:36 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	116304		
63	18.2	0.0	40.0	
88	16.8	0.0	32.6	





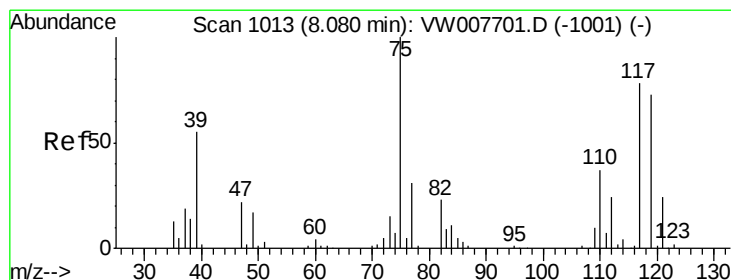
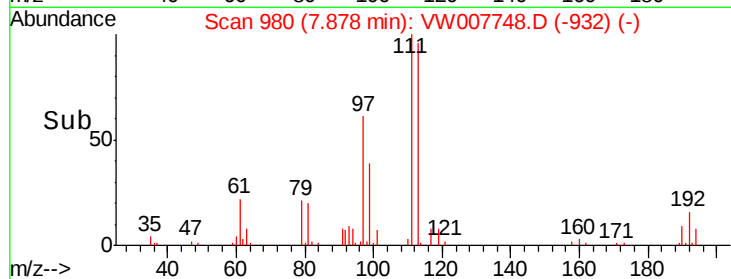
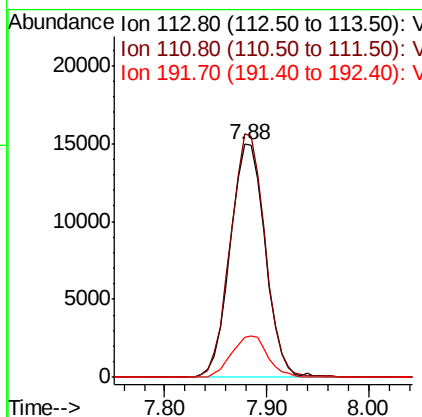
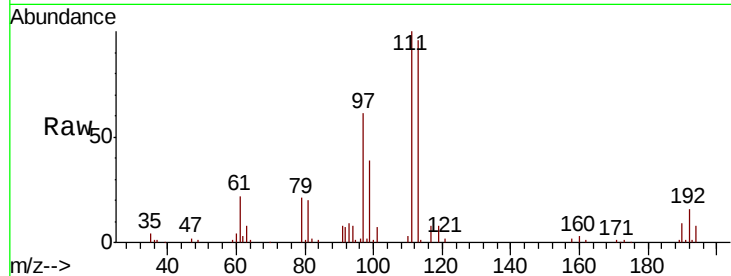
#35
 Dibromofluoromethane
 Concen: 50.339 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1222SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	35716		
111	102.7	82.6	124.0	
192	18.1	15.5	23.3	

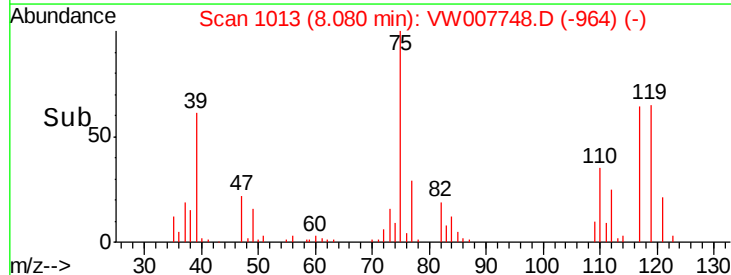
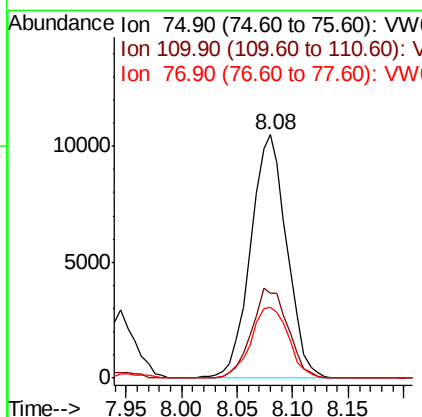
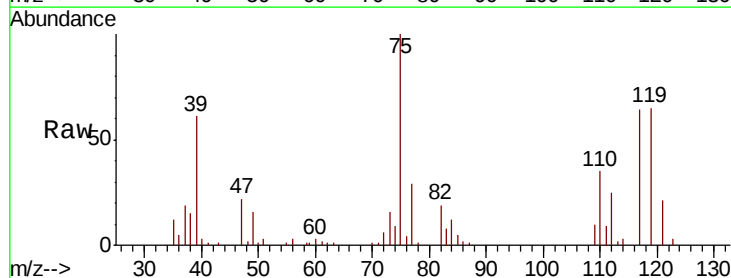
Manual Integrations
 APPROVED

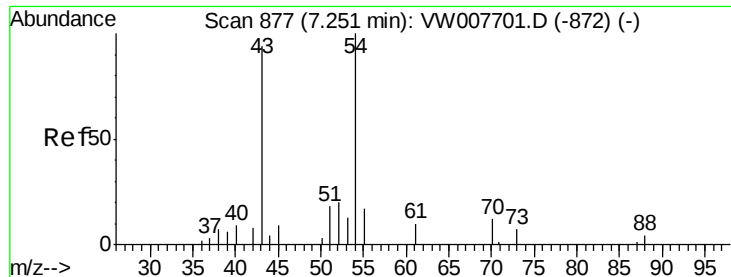
apatel
 12/21/2018 11:02:36 AM



#36
 1,1-Dichloropropene
 Concen: 21.112 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23699		
110	37.1	18.6	55.8	
77	30.3	25.0	37.4	





#37

Ethyl Acetate

Concen: 18.152 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

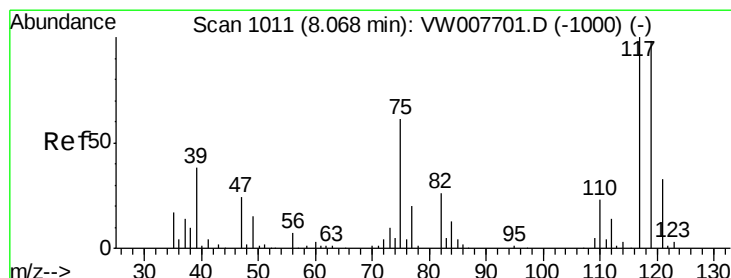
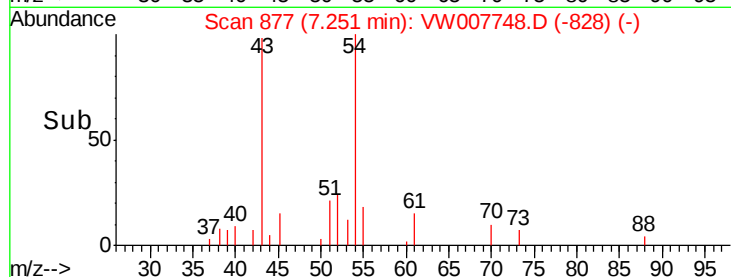
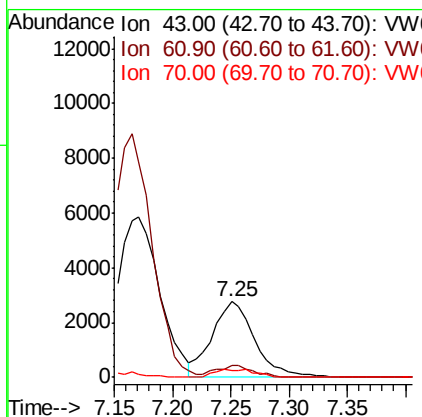
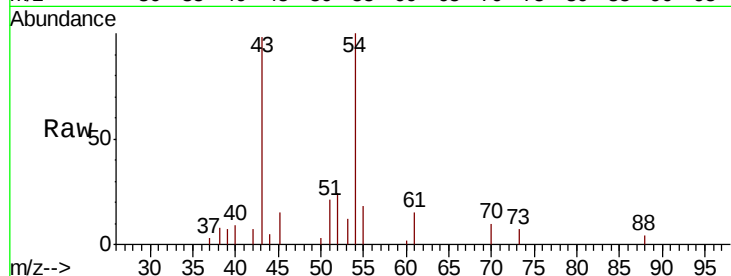
ClientSampleId :

VW1222SBS01

Tgt Ion:	43	Resp:	7032
Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.2	16.8
70	9.6	9.3	13.9

Manual Integrations
APPROVED

apatel
12/21/2018 11:02:36 AM



#38

Carbon Tetrachloride

Concen: 19.754 ug/l

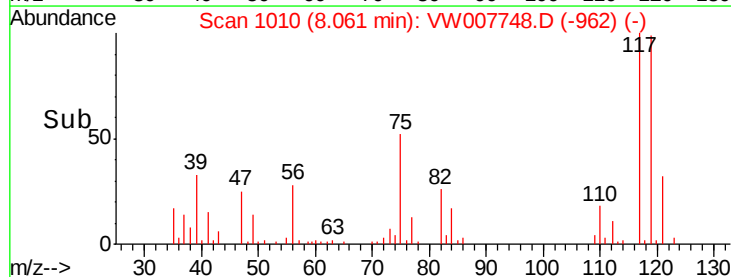
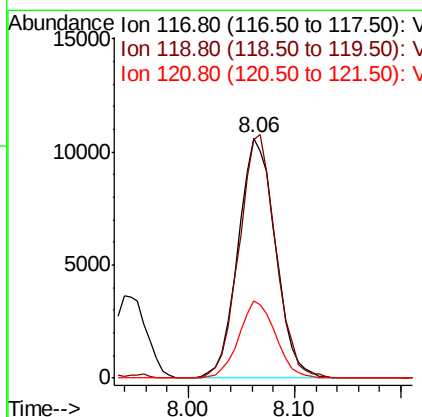
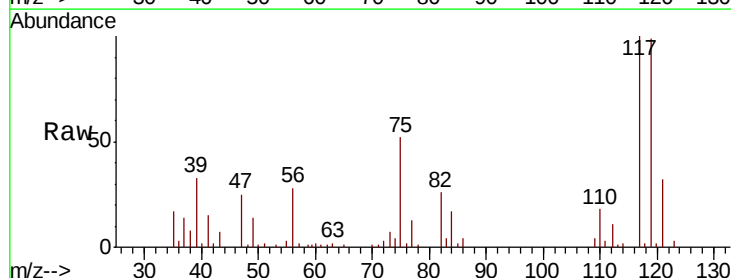
RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Tgt Ion:	117	Resp:	26115
Ion	Ratio	Lower	Upper
117	100		
119	99.2	78.2	117.2
121	32.4	26.1	39.1





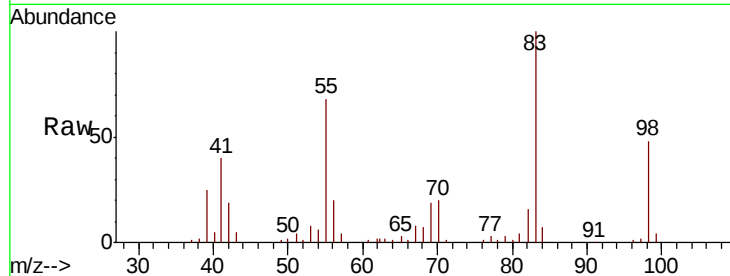
#39
Methylcyclohexane
Concen: 20.905 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Instrument :
MSVOA_W
ClientSampleId :
VW1222SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	67.9	57.2	85.8
98	48.0	38.6	58.0

Manual Integrations
APPROVED

apatel
12/21/2018 11:02:36 AM

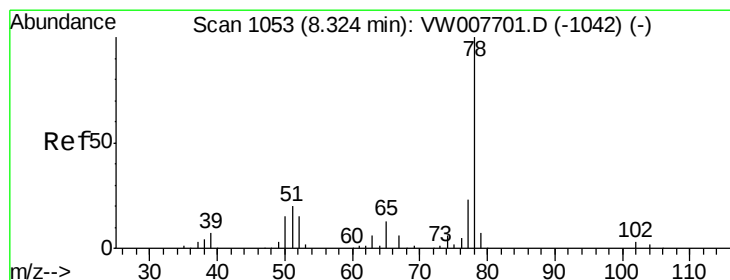
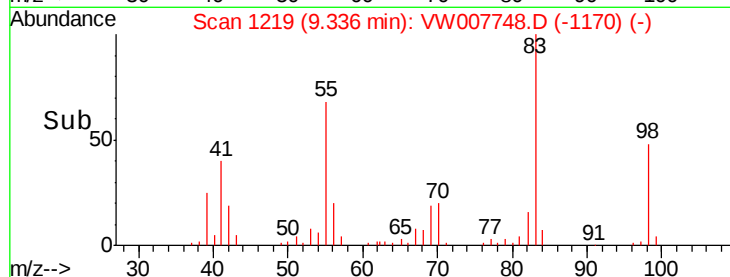
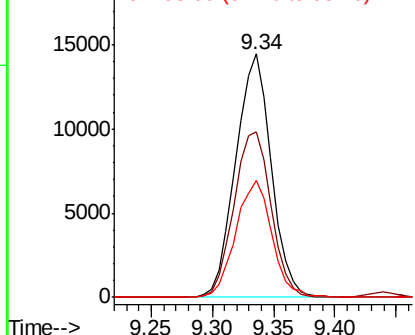


Abundance

Ion 83.00 (82.70 to 83.70): VW

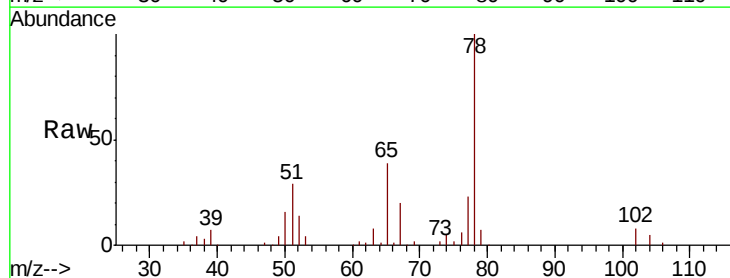
Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40
Benzene
Concen: 20.481 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

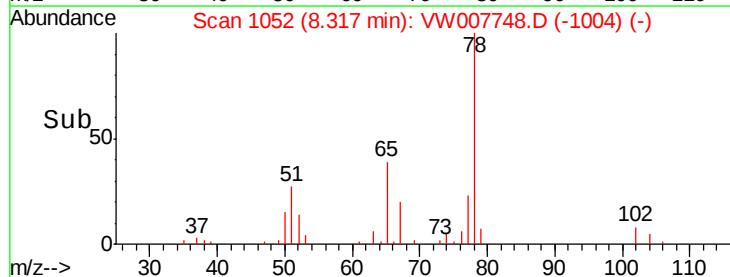
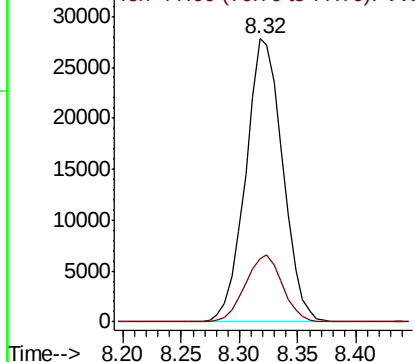
Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.7	28.1

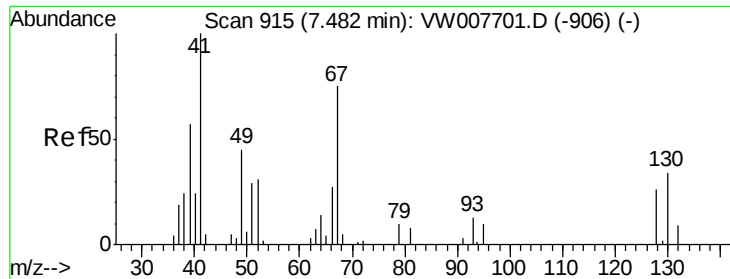


Abundance

Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW





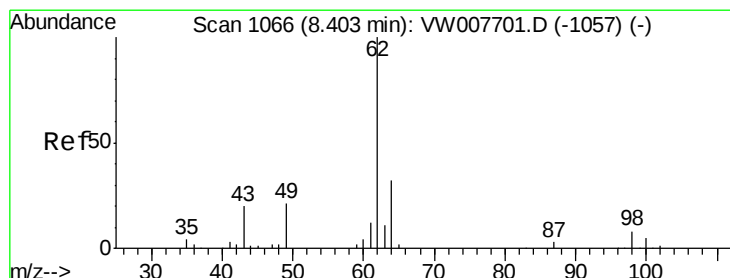
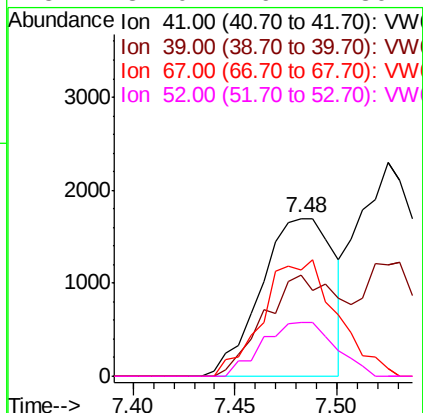
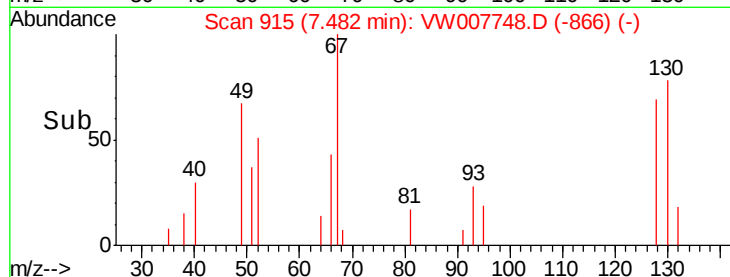
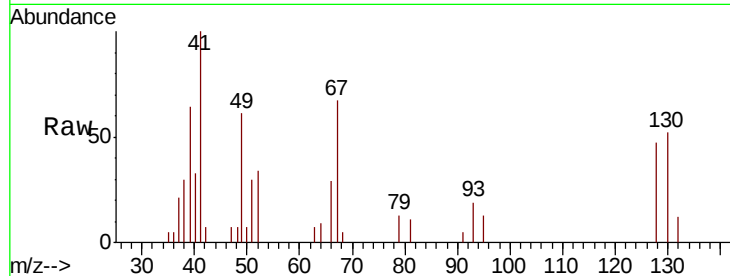
#41
Methacrylonitrile
Concen: 19.223 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Instrument :
MSVOA_W
ClientSampleId :
VW1222SBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.9	54.2	81.4
67	74.0	65.7	98.5
52	34.0	26.2	39.4

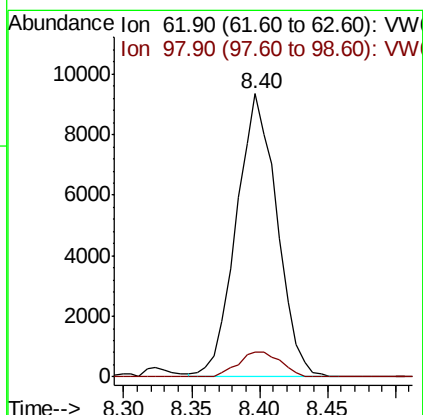
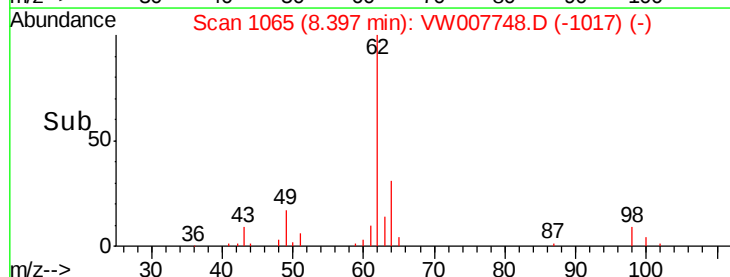
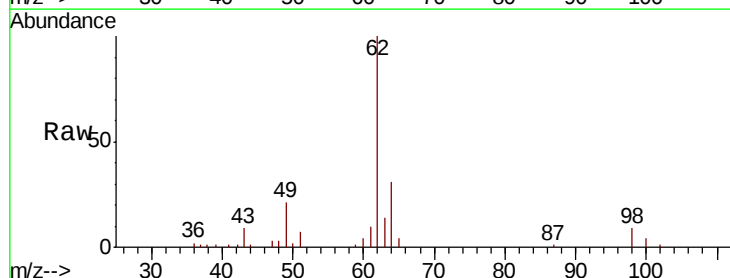
Manual Integrations
APPROVED

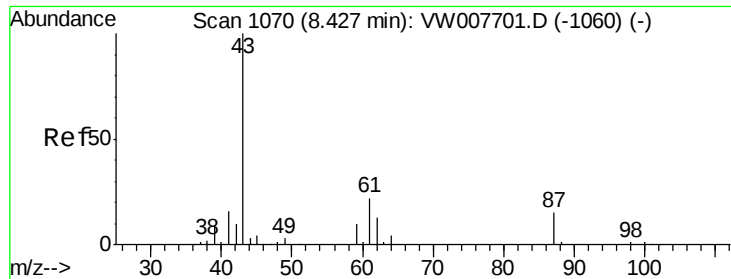
apatel
12/21/2018 11:02:36 AM



#42
1,2-Dichloroethane
Concen: 19.444 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	16.6





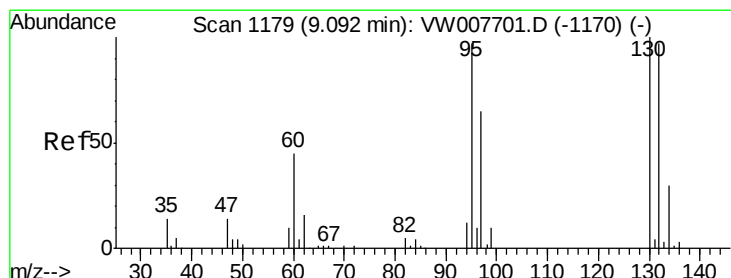
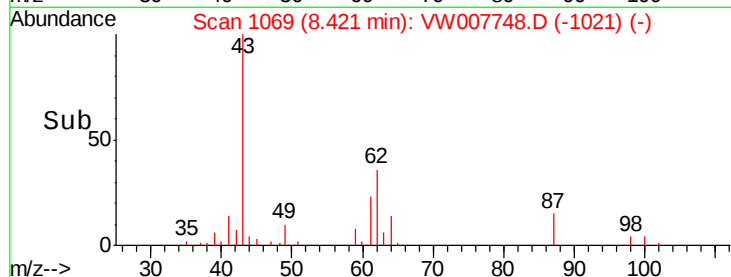
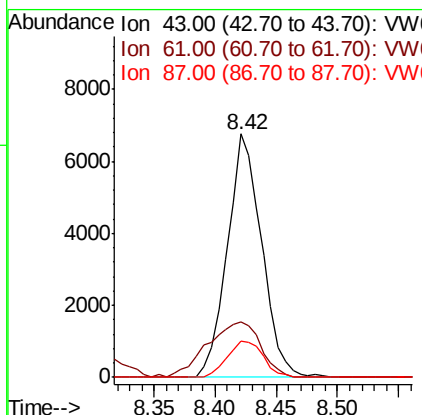
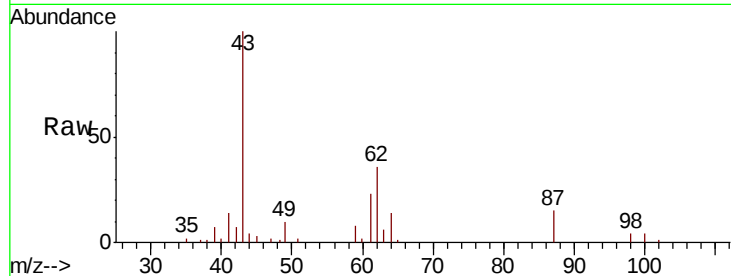
#43
Isopropyl Acetate
Concen: 16.910 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Instrument :
MSVOA_W
ClientSampleId :
VW1222SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	35.3	26.3	39.5
87	15.5	12.0	18.0

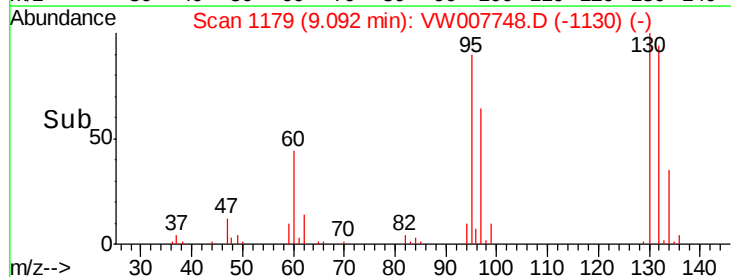
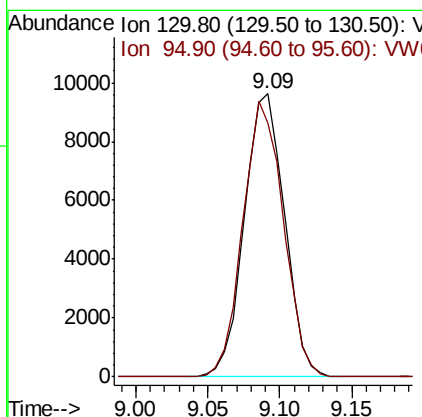
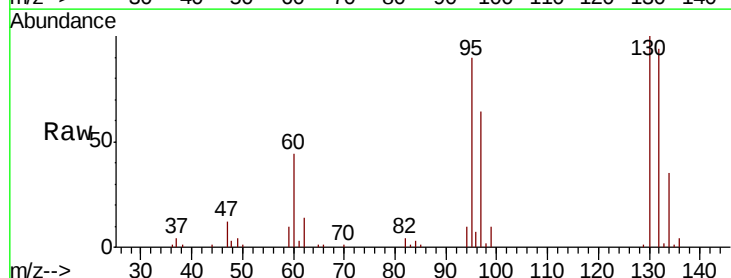
Manual Integrations
APPROVED

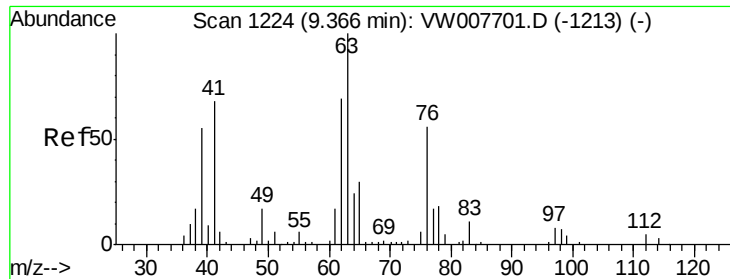
apatel
12/21/2018 11:02:36 AM



#44
Trichloroethene
Concen: 20.551 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.5	0.0	194.8





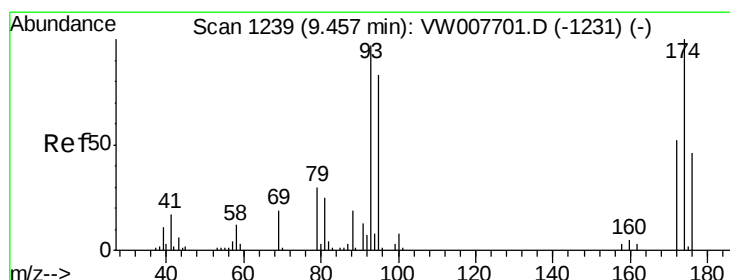
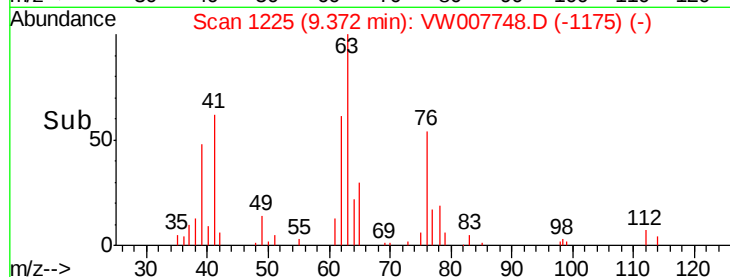
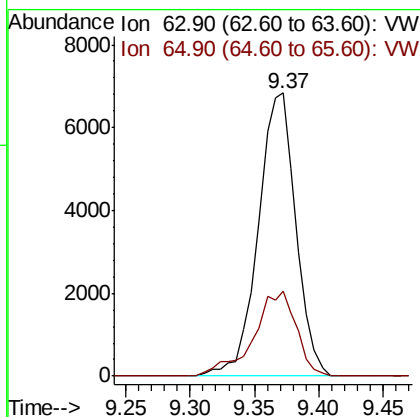
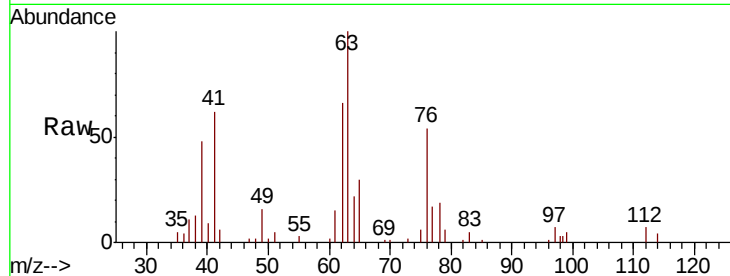
#45
 1,2-Dichloropropane
 Concen: 20.776 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1222SBS01

Tgt Ion: 63 Resp: 13809
 Ion Ratio Lower Upper
 63 100
 65 29.9 23.8 35.8

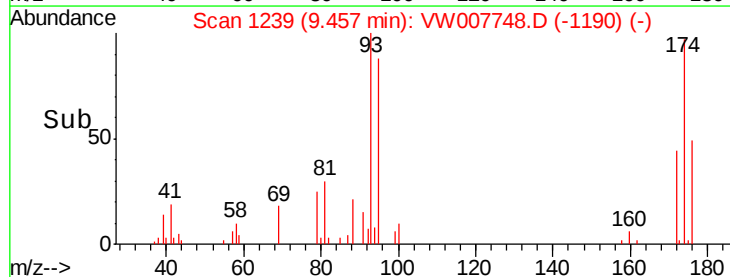
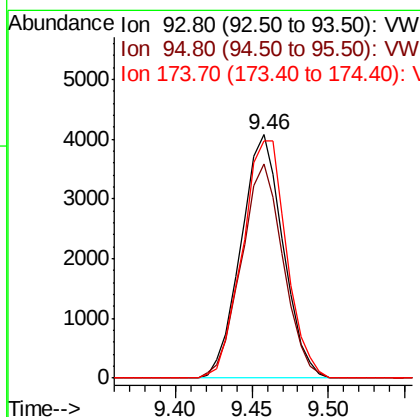
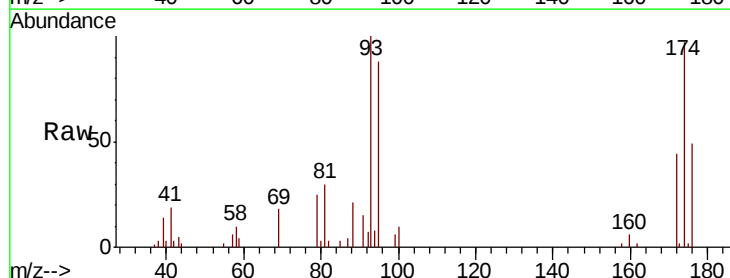
Manual Integrations
 APPROVED

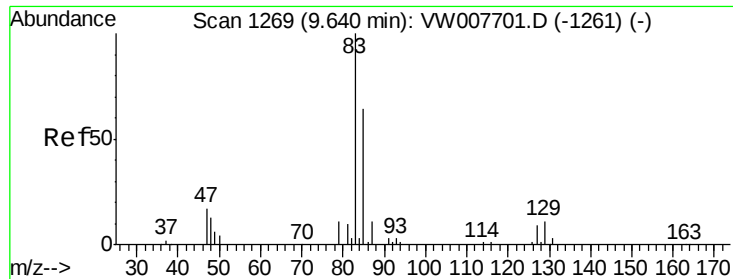
apatel
 12/21/2018 11:02:36 AM



#46
 Dibromomethane
 Concen: 19.066 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Tgt Ion: 93 Resp: 7801
 Ion Ratio Lower Upper
 93 100
 95 87.7 67.5 101.3
 174 102.0 83.9 125.9





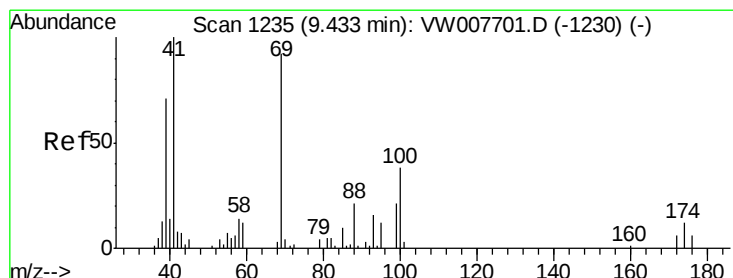
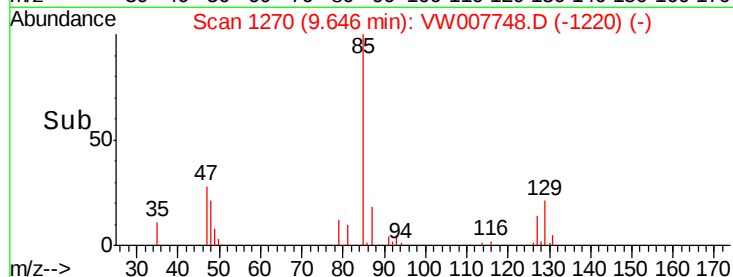
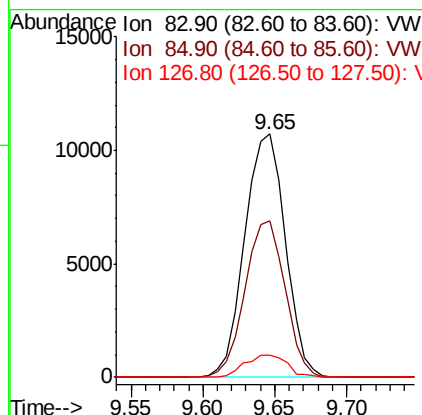
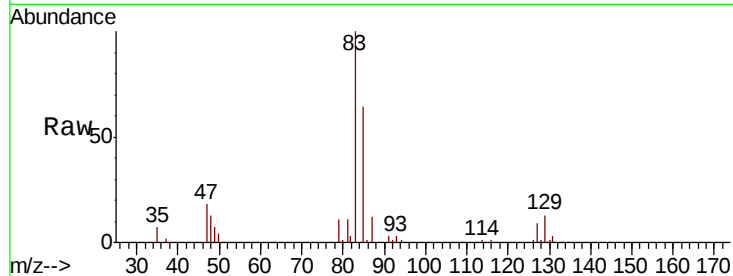
#47
Bromodichloromethane
Concen: 19.478 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Instrument :
MSVOA_W
ClientSampleId :
VW1222SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	20951		
85	64.3	51.4	77.0	
127	9.1	7.5	11.3	

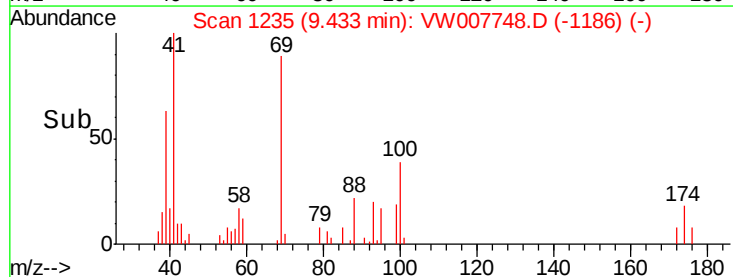
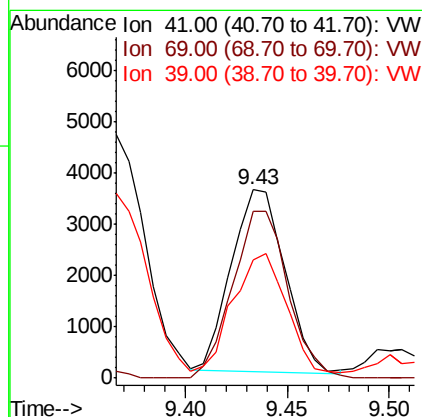
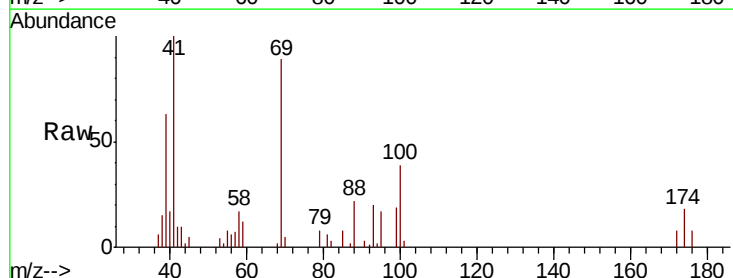
Manual Integrations
APPROVED

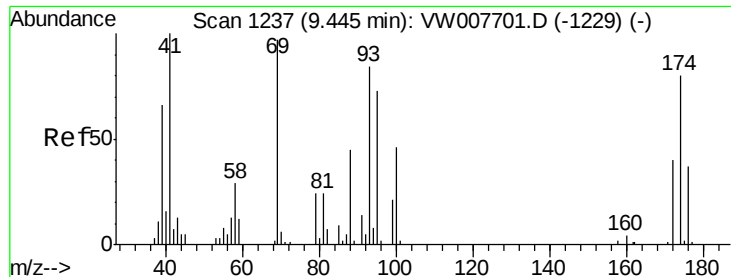
apatel
12/21/2018 11:02:36 AM



#48
Methyl methacrylate
Concen: 16.884 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	6541		
69	94.1	74.2	111.2	
39	64.6	53.9	80.9	





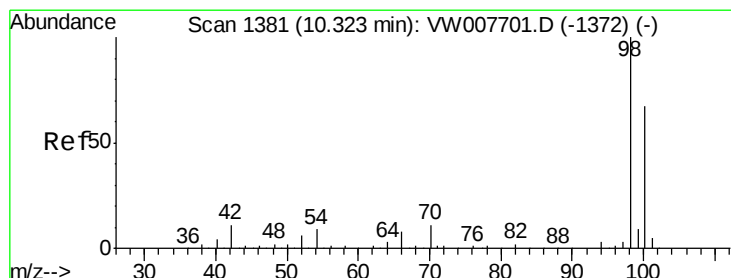
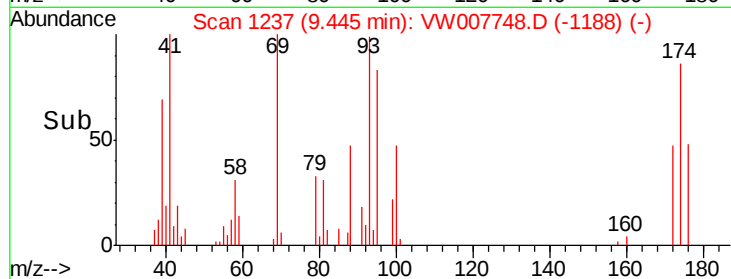
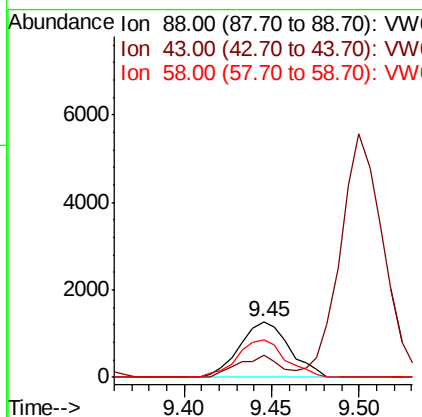
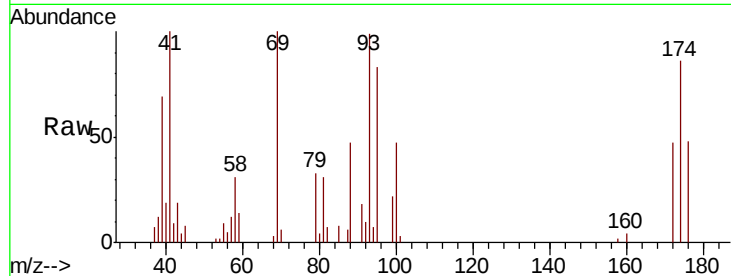
#49
1,4-Dioxane
Concen: 386.007 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Instrument :
MSVOA_W
ClientSampleId :
VW1222SBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.1	25.6	38.4
58	65.5	52.3	78.5

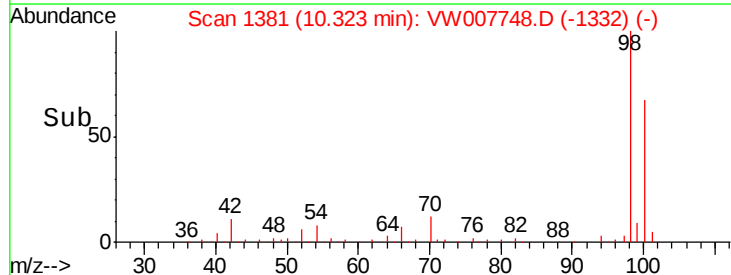
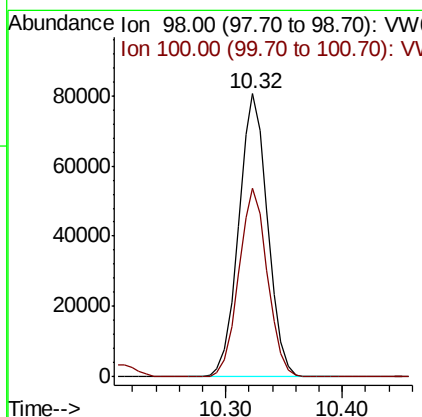
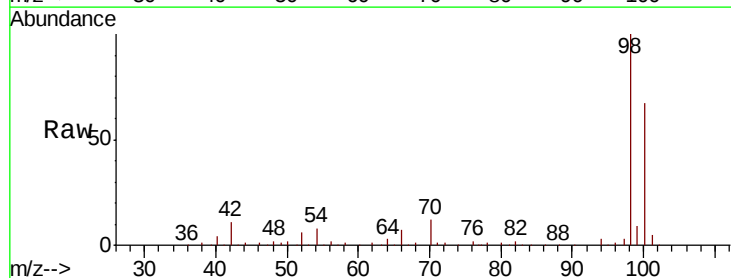
Manual Integrations
APPROVED

apatel
12/21/2018 11:02:36 AM



#50
Toluene-d8
Concen: 51.751 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.2	78.2





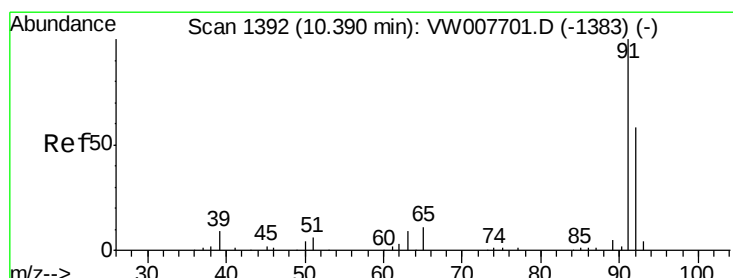
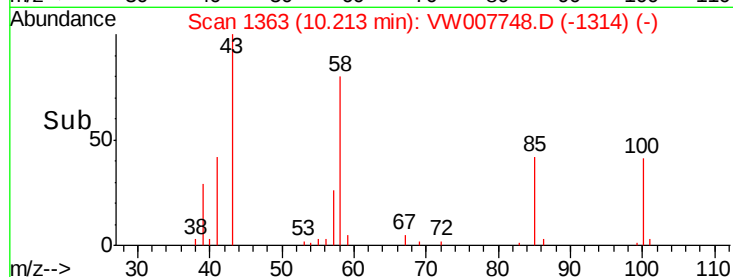
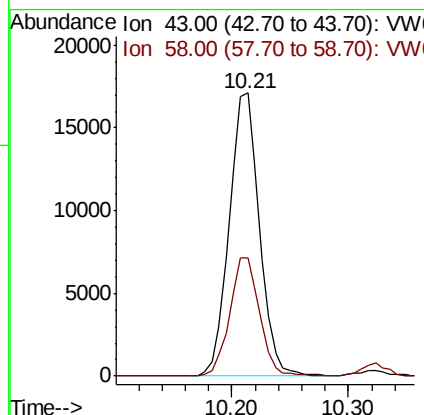
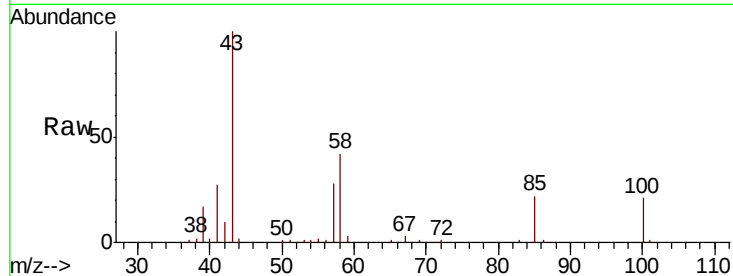
#51
 4-Methyl-2-Pentanone
 Concen: 84.192 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1222SBS01

Tgt Ion: 43 Resp: 30882
 Ion Ratio Lower Upper
 43 100
 58 41.2 33.2 49.8

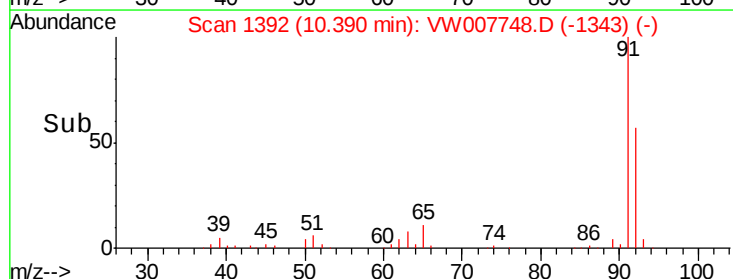
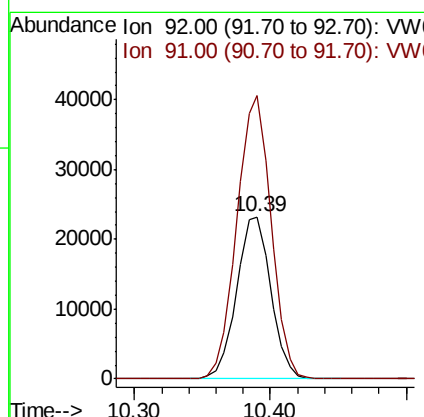
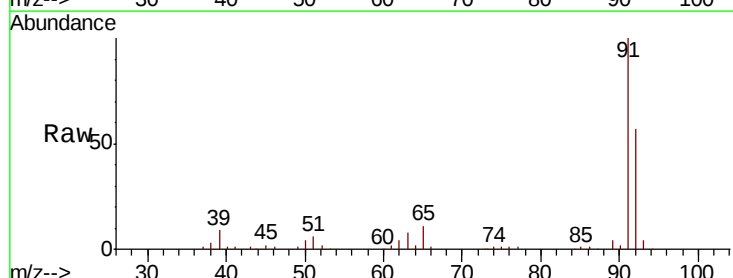
Manual Integrations
 APPROVED

apatel
 12/21/2018 11:02:36 AM



#52
 Toluene
 Concen: 20.260 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Tgt Ion: 92 Resp: 40717
 Ion Ratio Lower Upper
 92 100
 91 175.0 137.0 205.4





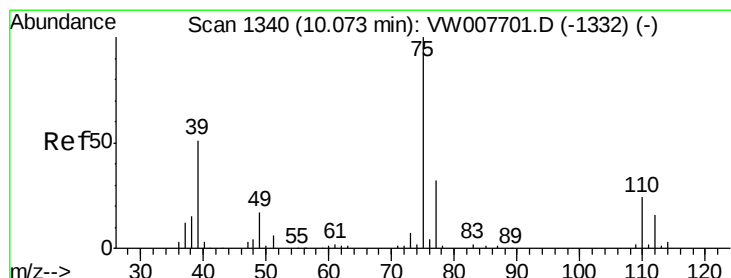
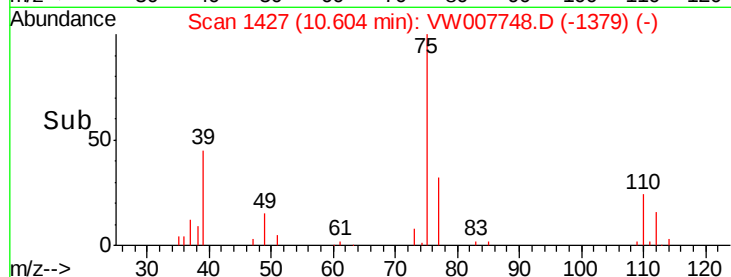
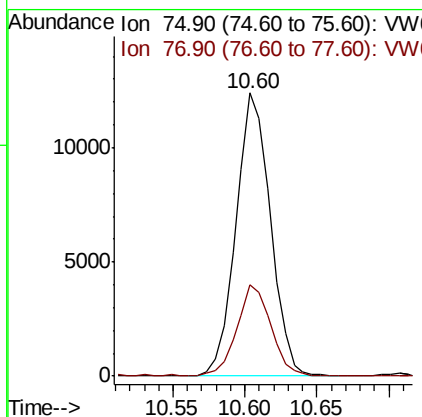
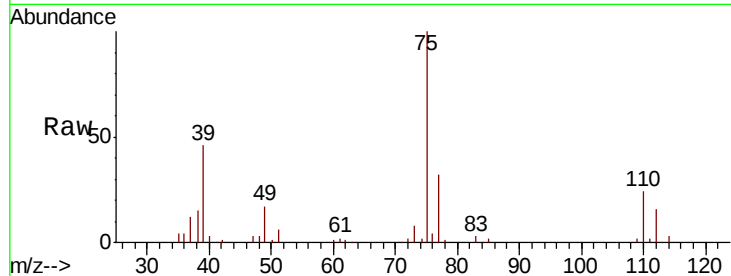
#53
 t-1,3-Dichloropropene
 Concen: 19.189 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1222SBS01

Tgt Ion: 75 Resp: 20530
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.2 37.8

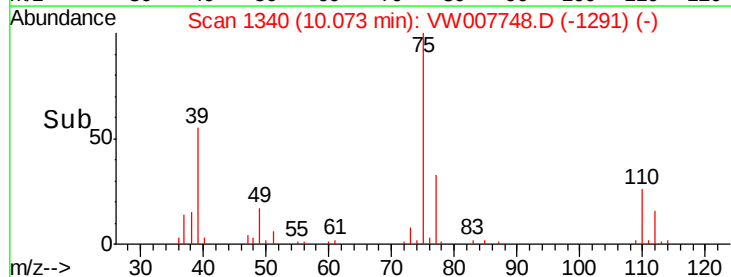
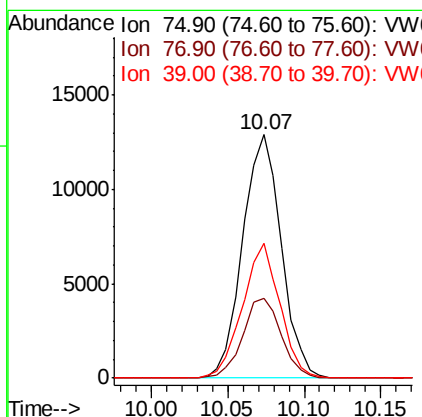
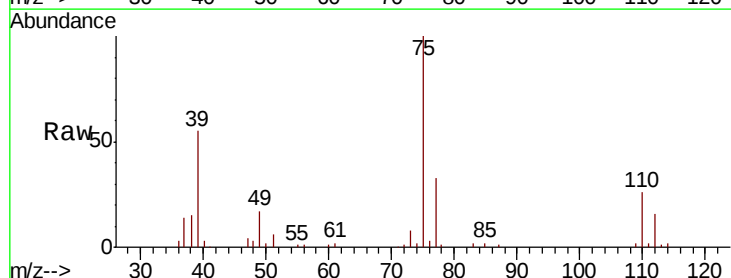
Manual Integrations
 APPROVED

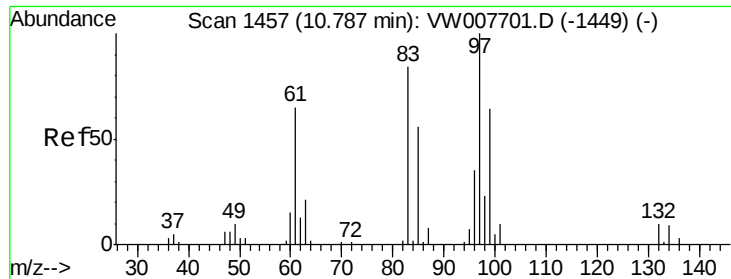
apatel
 12/21/2018 11:02:36 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.128 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Tgt Ion: 75 Resp: 22605
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.5 38.3
 39 55.3 41.2 61.8





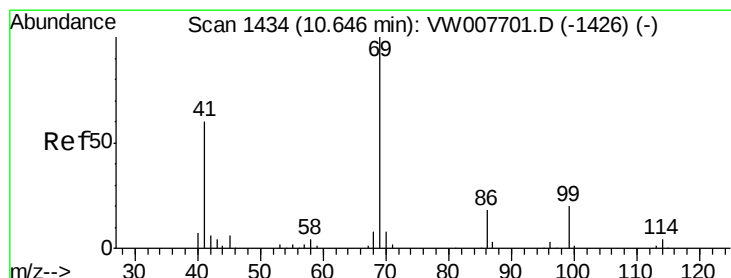
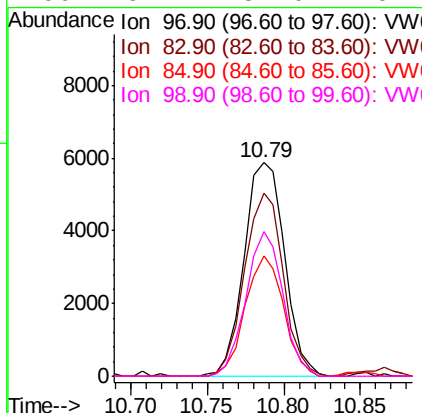
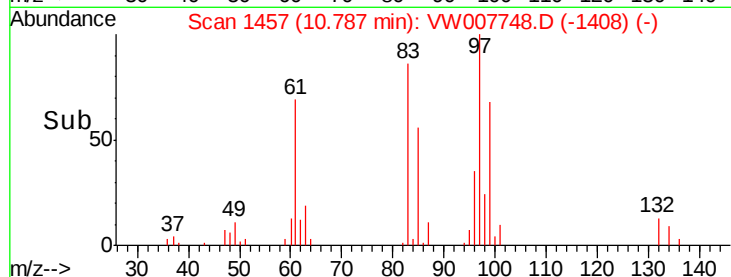
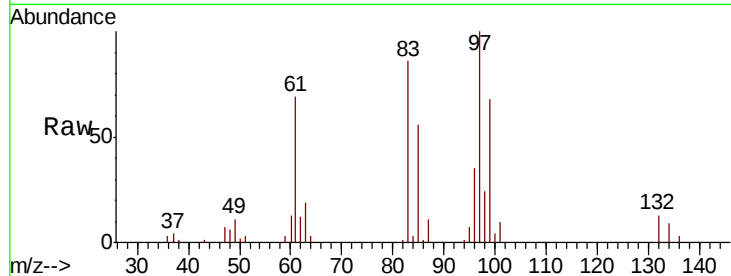
#55
 1,1,2-Trichloroethane
 Concen: 19.266 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1222SBS01

Tgt Ion:	97	Resp:	10867
Ion	Ratio	Lower	Upper
97	100		
83	85.6	67.5	101.3
85	56.3	44.8	67.2
99	67.7	51.0	76.4

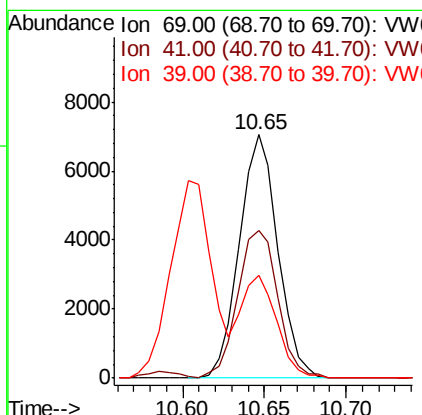
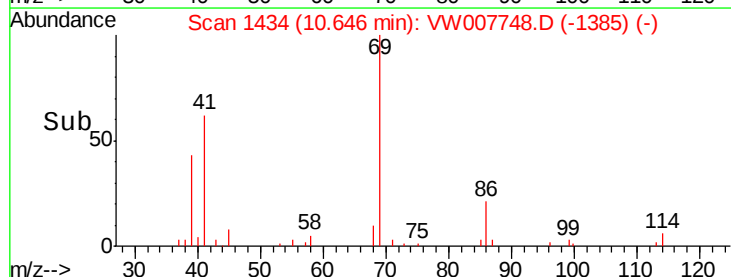
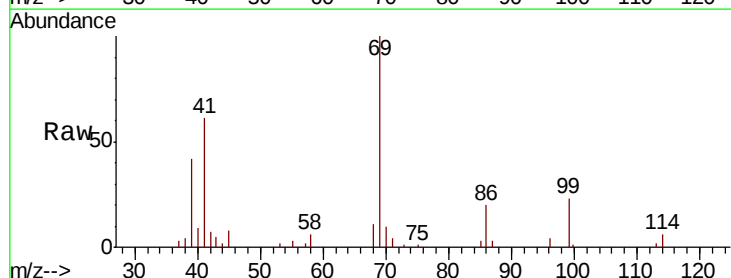
Manual Integrations
 APPROVED

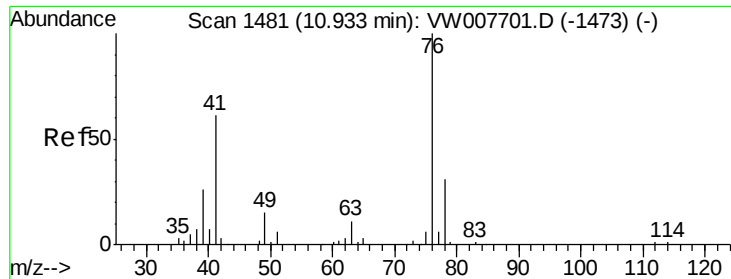
apatel
 12/21/2018 11:02:36 AM



#56
 Ethyl methacrylate
 Concen: 17.337 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Tgt Ion:	69	Resp:	11554
Ion	Ratio	Lower	Upper
69	100		
41	63.4	48.9	73.3
39	39.8	31.3	46.9





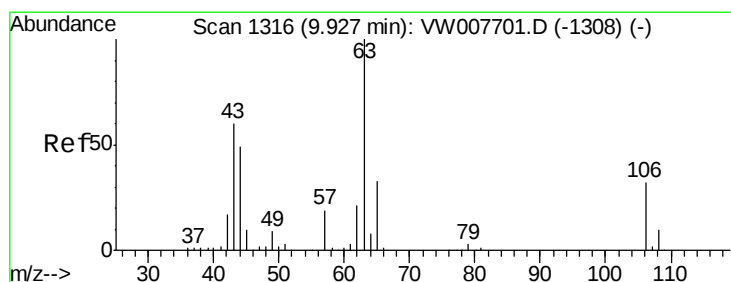
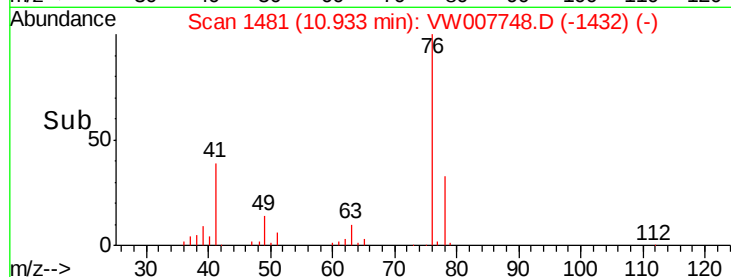
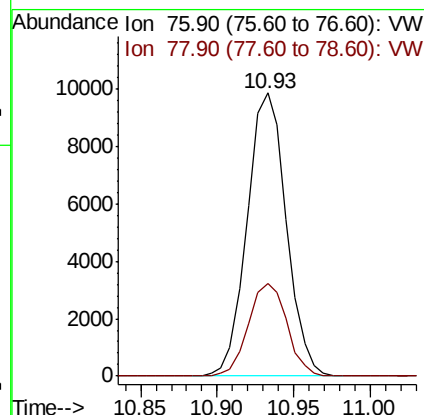
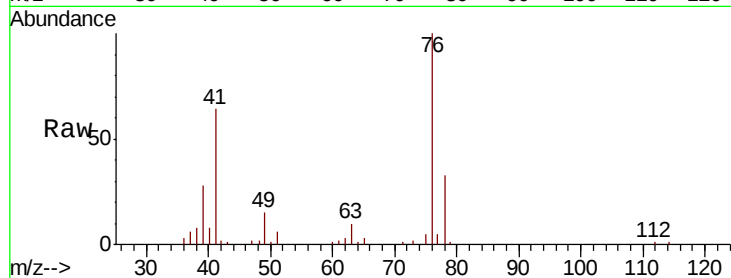
#57
 1,3-Dichloropropane
 Concen: 18.737 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1222SBS01

Tgt Ion: 76 Resp: 17550
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.2 39.2

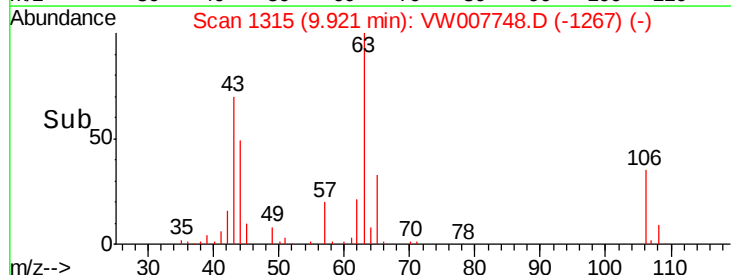
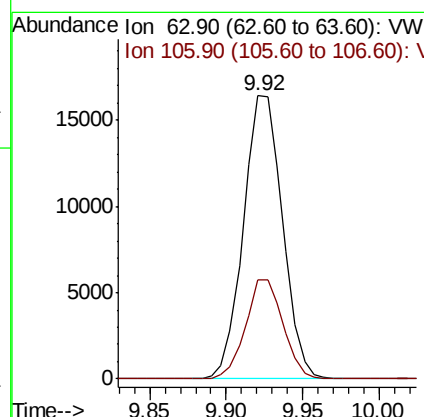
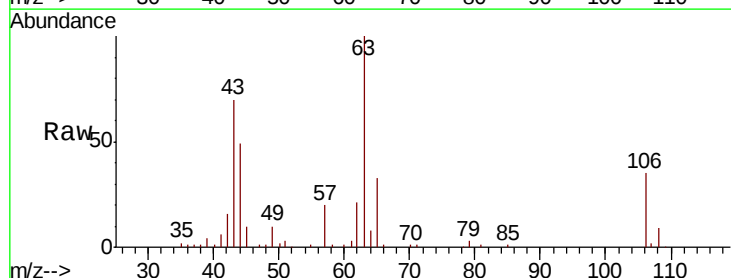
Manual Integrations
 APPROVED

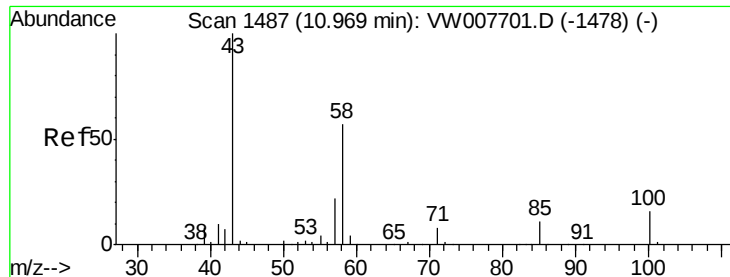
apatel
 12/21/2018 11:02:36 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.821 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Tgt Ion: 63 Resp: 29156
 Ion Ratio Lower Upper
 63 100
 106 33.6 25.9 38.9





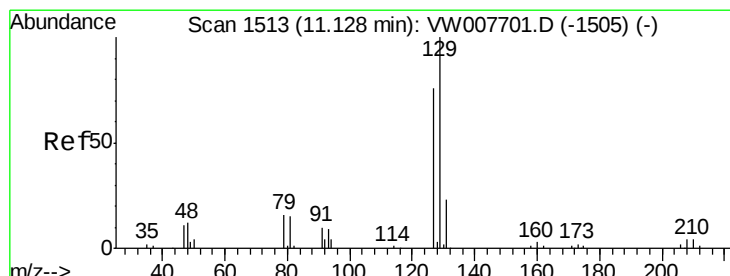
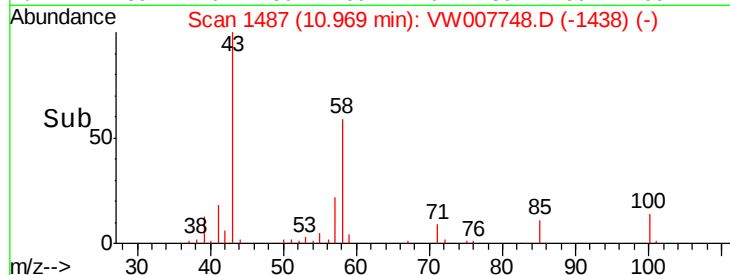
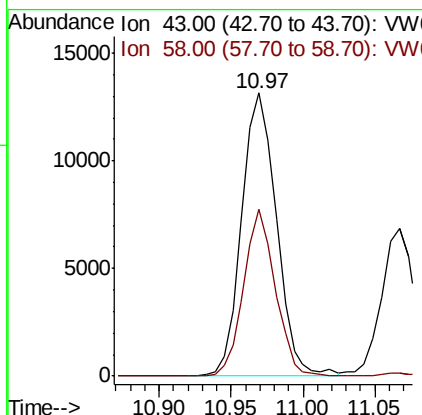
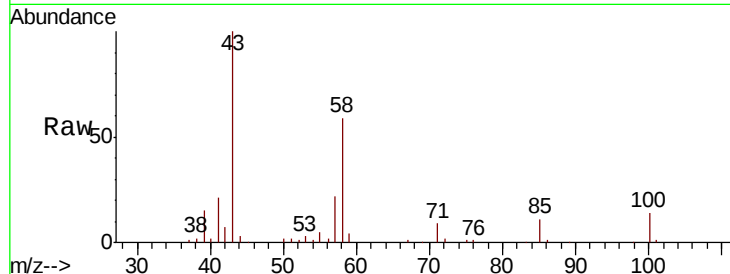
#59
2-Hexanone
Concen: 85.601 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Instrument :
MSVOA_W
ClientSampleId :
VW1222SBS01

Tgt Ion: 43 Resp: 22082
Ion Ratio Lower Upper
43 100
58 53.2 27.7 83.1

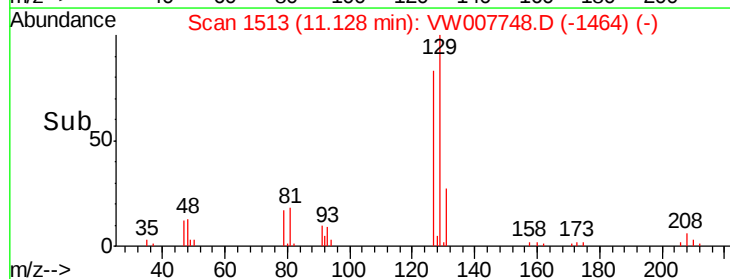
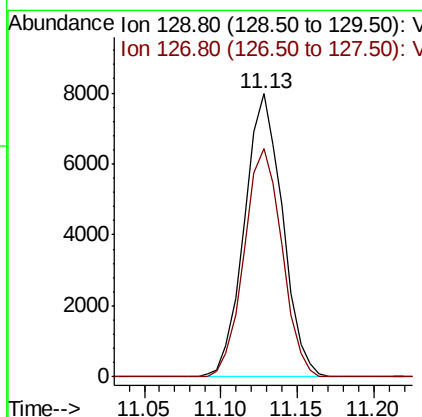
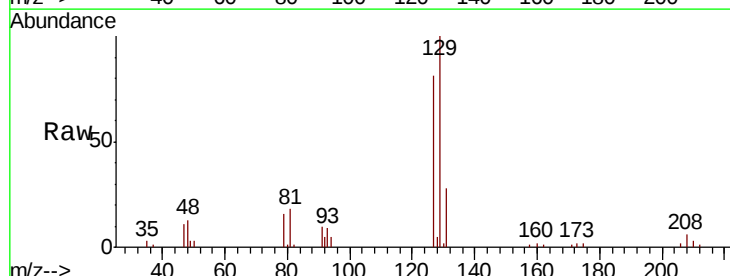
Manual Integrations
APPROVED

apatel
12/21/2018 11:02:36 AM



#60
Dibromochloromethane
Concen: 18.509 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion: 129 Resp: 13823
Ion Ratio Lower Upper
129 100
127 79.9 38.3 114.9





#61

1,2-Dibromoethane

Concen: 18.109 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

ClientSampleId :

VW1222SBS01

Tgt Ion: 107 Resp: 10344

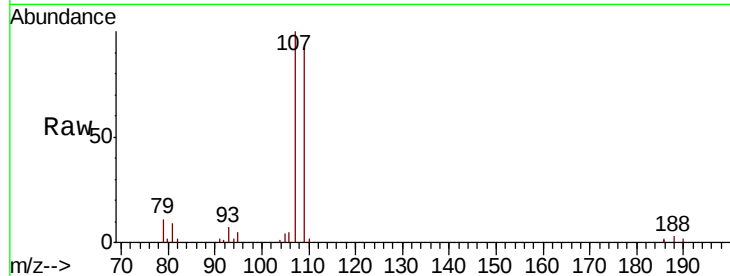
Ion Ratio Lower Upper

107 100

109 94.5 75.4 113.0

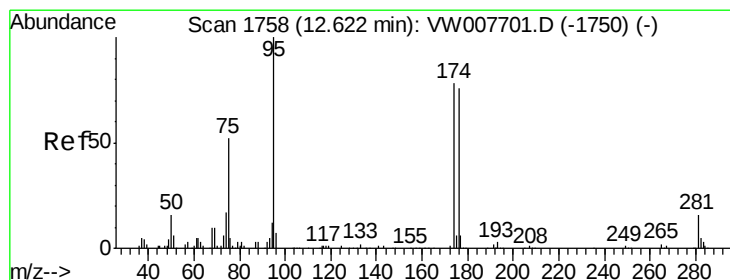
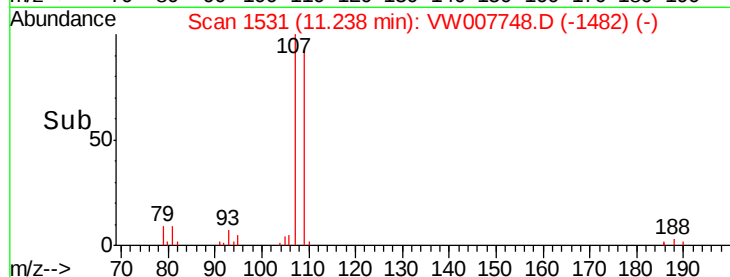
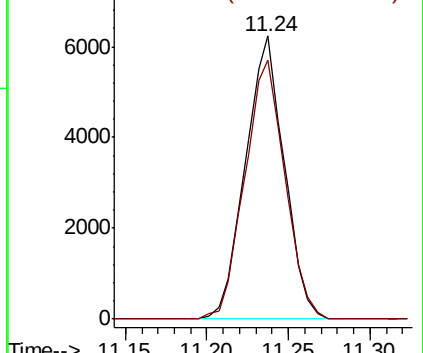
Manual Integrations
APPROVED

apatel
12/21/2018 11:02:36 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.317 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

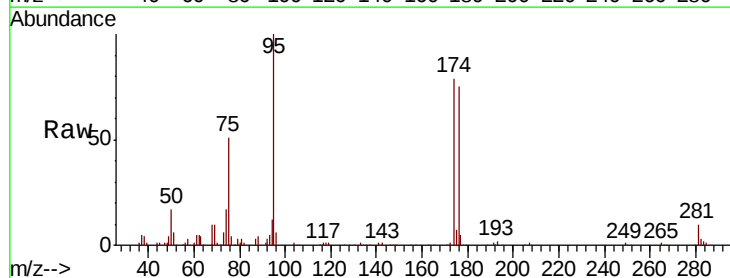
Tgt Ion: 95 Resp: 51994

Ion Ratio Lower Upper

95 100

174 77.0 0.0 152.2

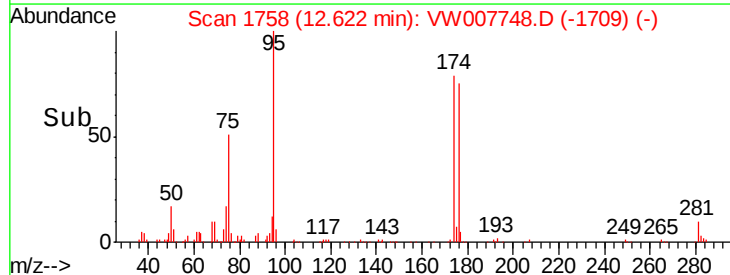
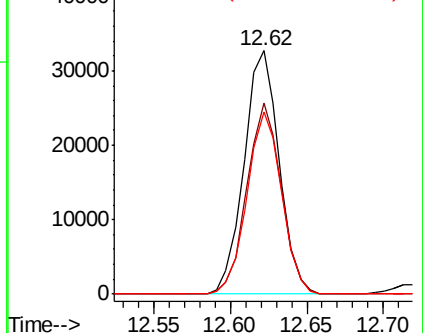
176 74.0 0.0 146.8

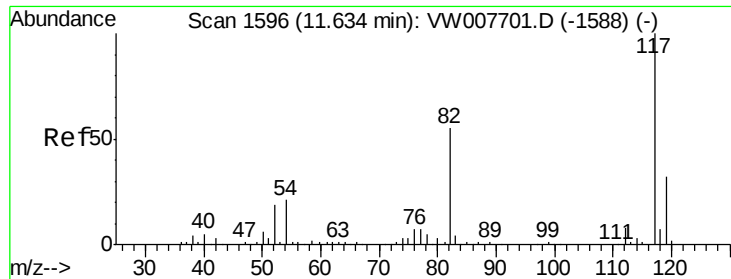


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





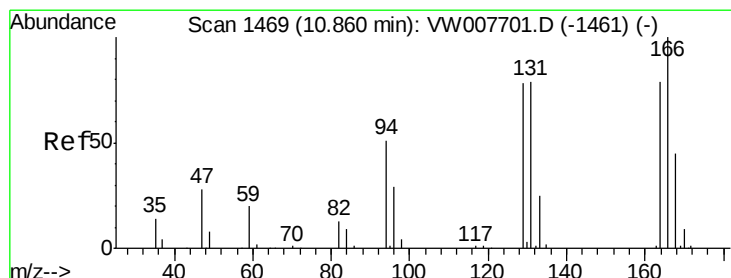
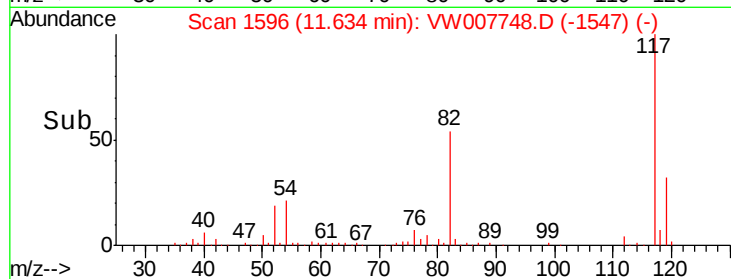
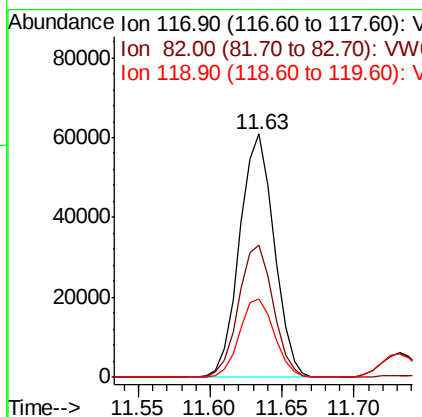
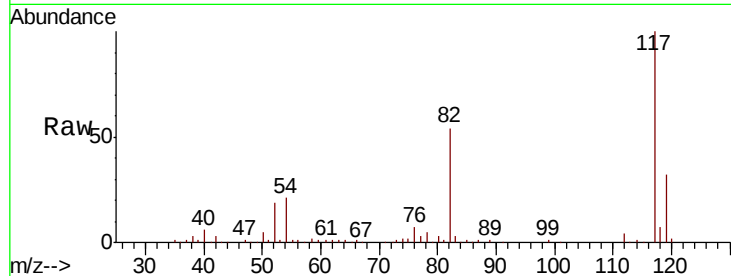
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Instrument :
MSVOA_W
ClientSampleId :
VW1222SBS01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.3	66.5
119	32.1	25.7	38.5

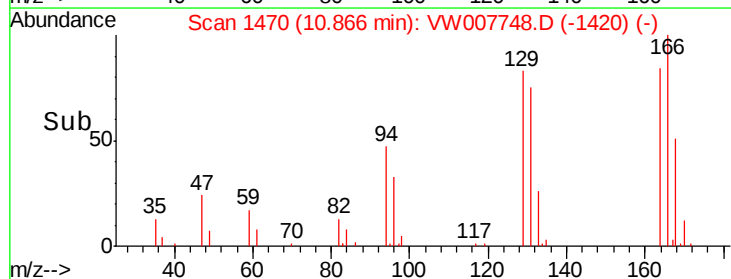
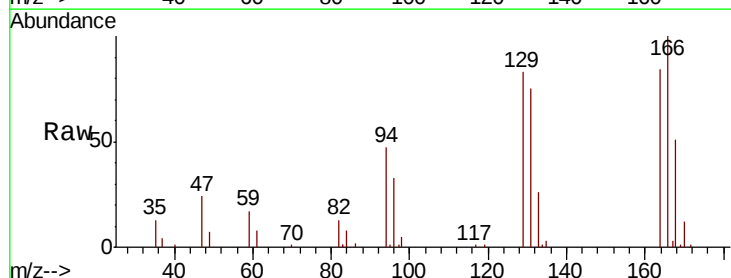
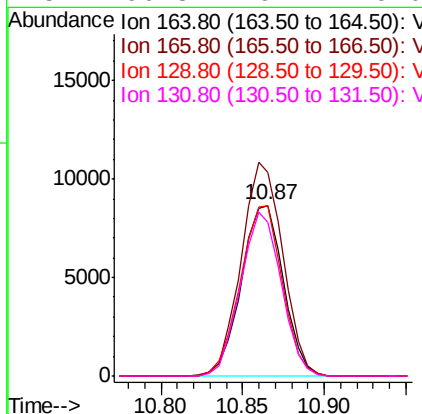
Manual Integrations
APPROVED

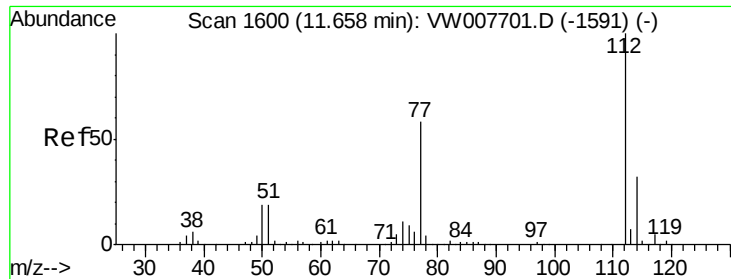
apatel
12/21/2018 11:02:36 AM



#64
Tetrachloroethene
Concen: 21.663 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.7	101.0	151.6
129	99.8	78.7	118.1
131	90.3	79.4	119.0





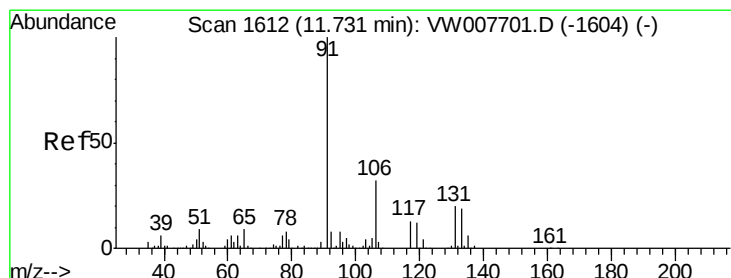
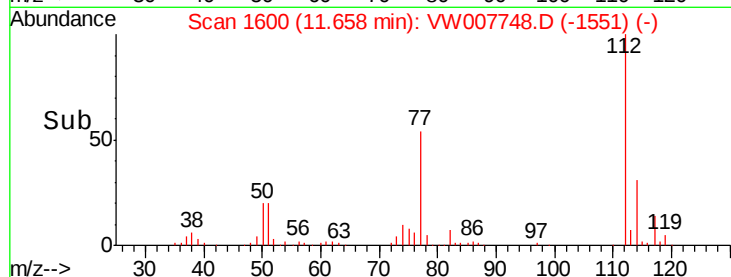
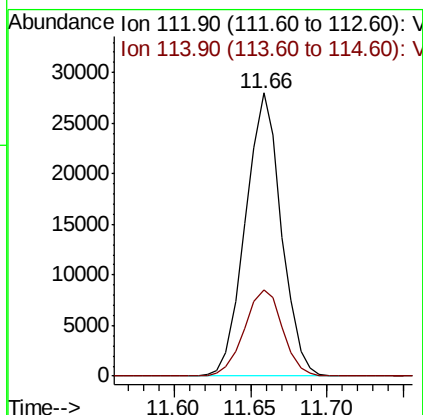
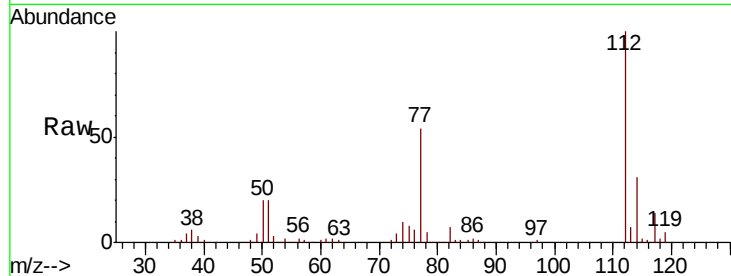
#65
Chlorobenzene
Concen: 20.765 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Instrument :
MSVOA_W
ClientSampleId :
VW1222SBS01

Tgt Ion:112 Resp: 45499
Ion Ratio Lower Upper
112 100
114 30.5 25.2 37.8

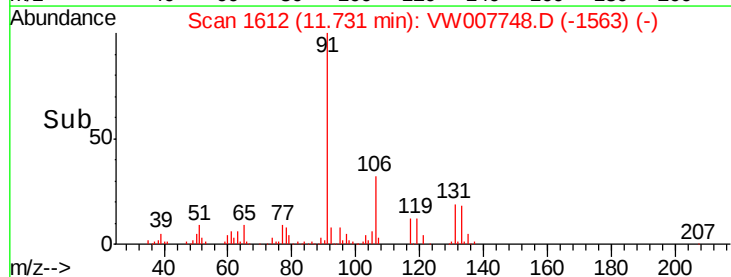
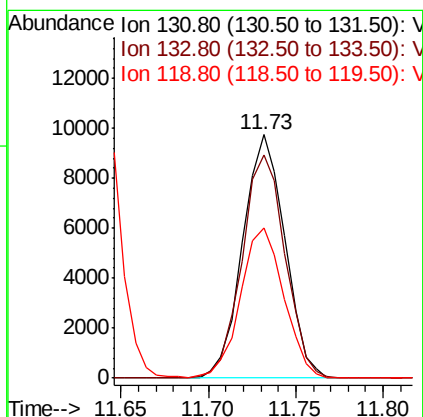
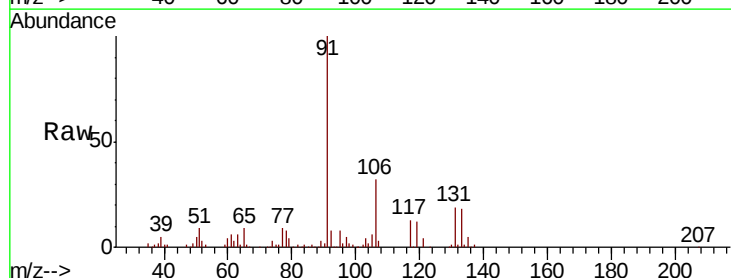
Manual Integrations
APPROVED

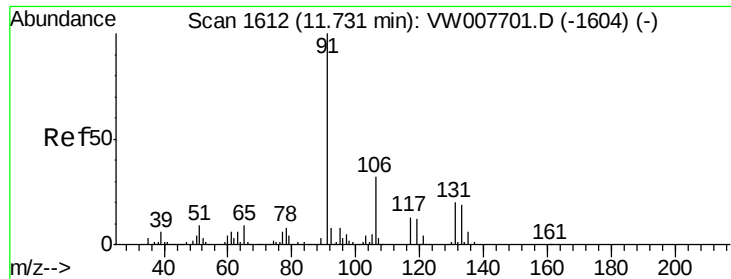
apatel
12/21/2018 11:02:36 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.854 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion:131 Resp: 16327
Ion Ratio Lower Upper
131 100
133 93.9 47.5 142.5
119 63.5 30.2 90.6





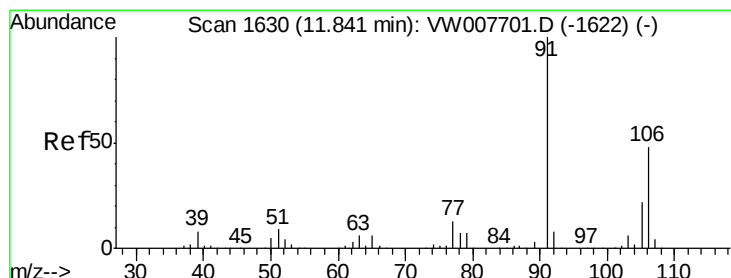
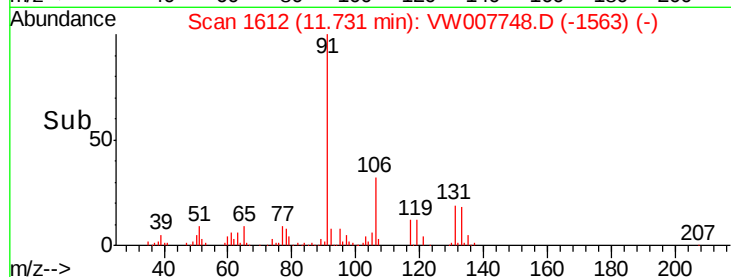
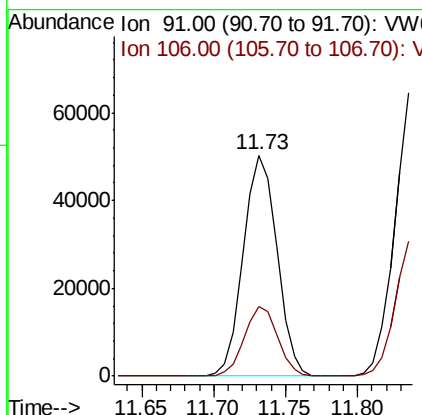
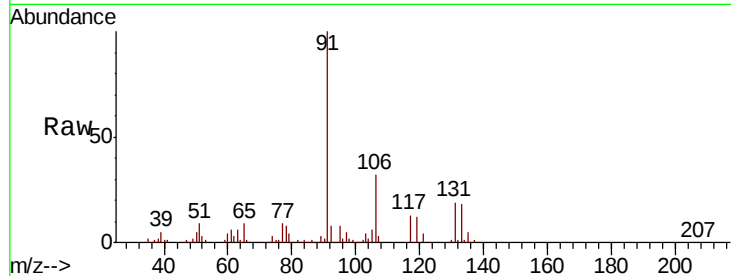
#67
Ethyl Benzene
Concen: 21.651 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Instrument :
MSVOA_W
ClientSampleId :
VW1222SBS01

Tgt Ion: 91 Resp: 81408
Ion Ratio Lower Upper
91 100
106 31.8 25.8 38.8

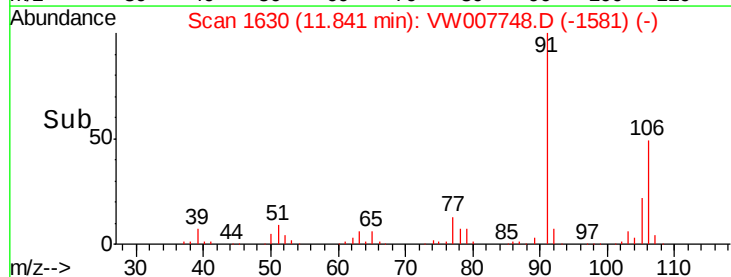
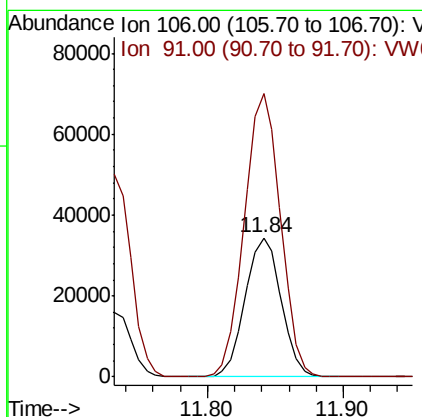
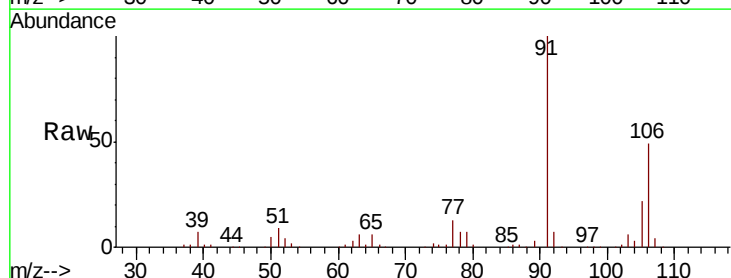
Manual Integrations
APPROVED

apatel
12/21/2018 11:02:36 AM



#68
m/p-Xylenes
Concen: 43.734 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion: 106 Resp: 63788
Ion Ratio Lower Upper
106 100
91 204.9 165.2 247.8





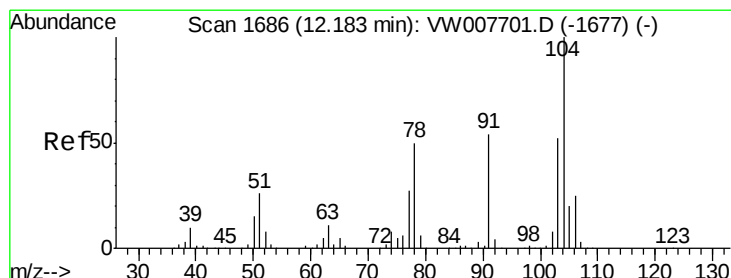
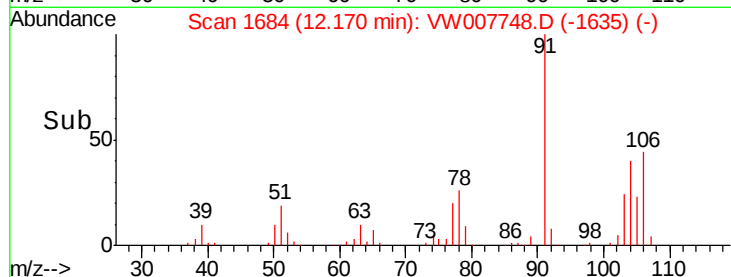
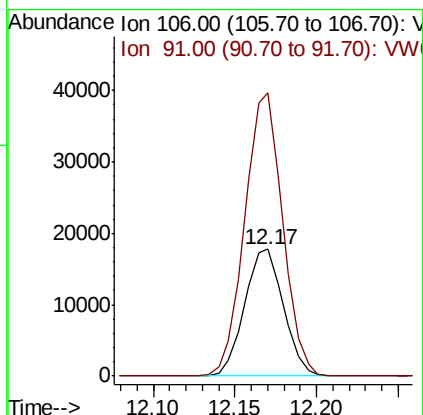
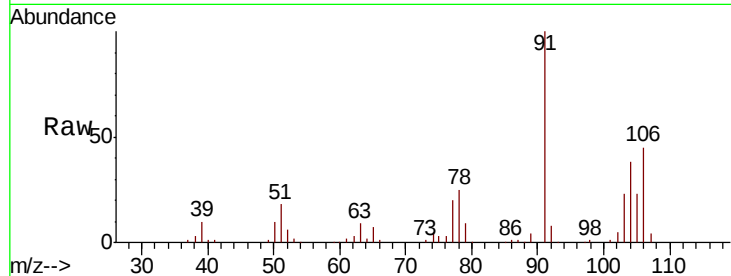
#69
o-Xylene
Concen: 21.556 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Instrument :
MSVOA_W
ClientSampleId :
VW1222SBS01

Tgt Ion:106 Resp: 29471
Ion Ratio Lower Upper
106 100
91 217.6 110.5 331.4

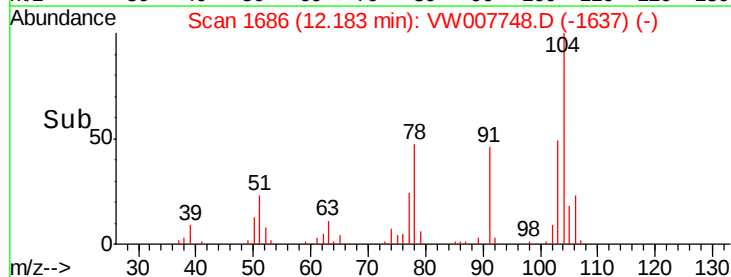
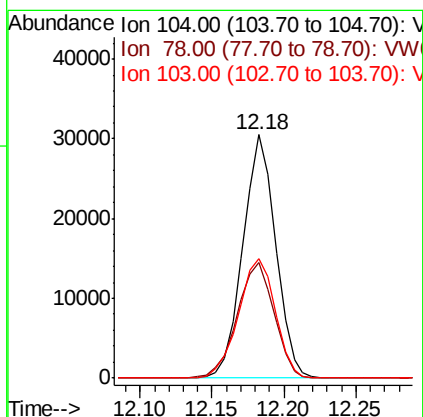
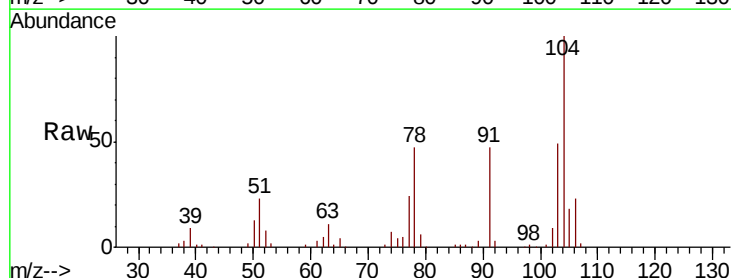
Manual Integrations
APPROVED

apatel
12/21/2018 11:02:36 AM



#70
Styrene
Concen: 21.379 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion:104 Resp: 48048
Ion Ratio Lower Upper
104 100
78 53.6 43.4 65.0
103 55.3 44.5 66.7





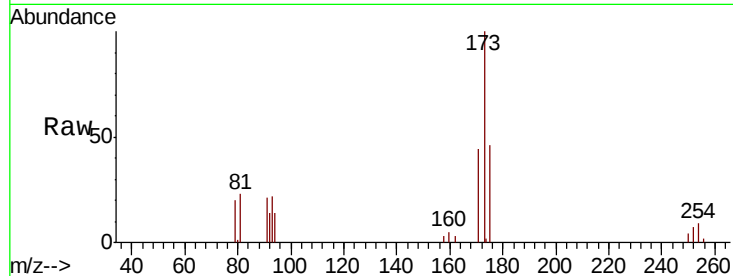
#71
Bromoform
Concen: 18.773 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Instrument :
MSVOA_W
ClientSampleId :
VW1222SBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.3	23.9	71.7
254	0.0	0.0	0.0

Manual Integrations
APPROVED

apatel
12/21/2018 11:02:36 AM

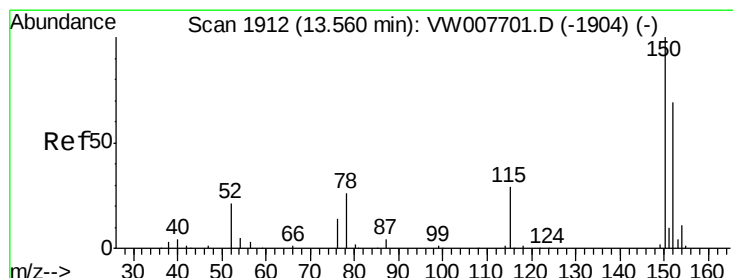
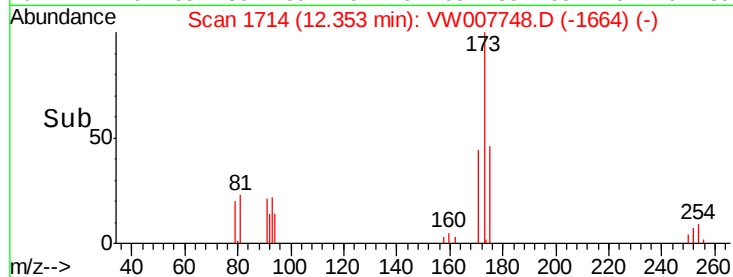
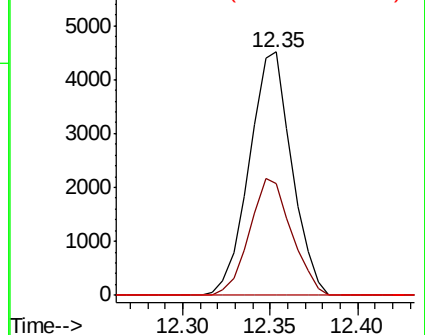


Abundance

Ion 172.70 (172.40 to 173.40): V

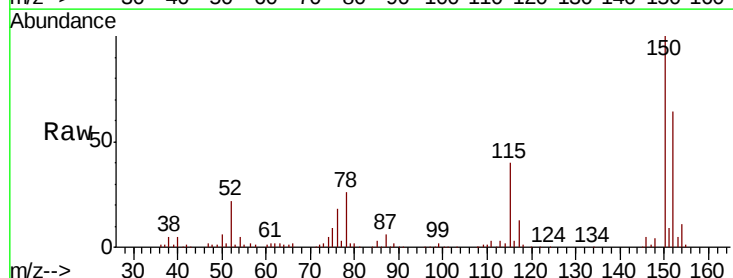
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	31.8	95.4
150	163.1	0.0	350.8

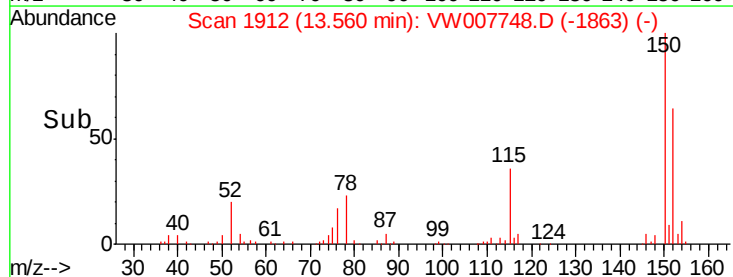
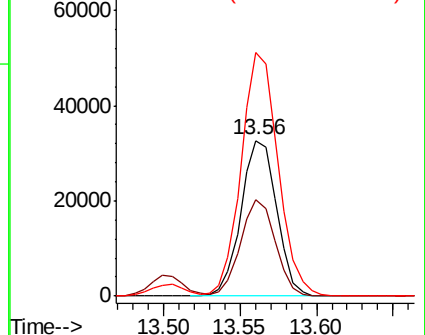


Abundance

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: 20.942 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

ClientSampleId :

VW1222SBS01

Tgt Ion: 105 Resp: 83397

Ion Ratio Lower Upper

105 100

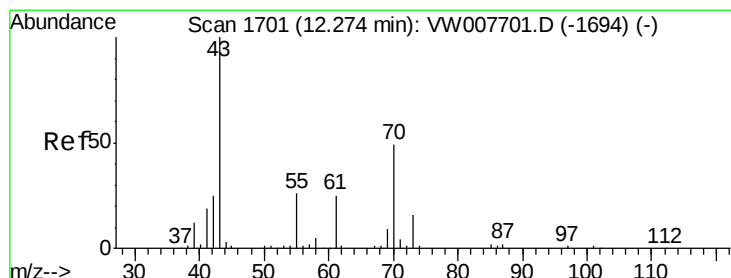
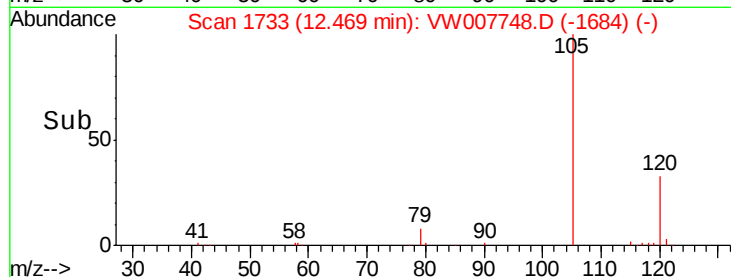
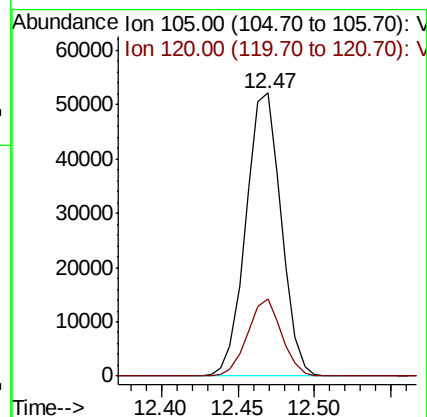
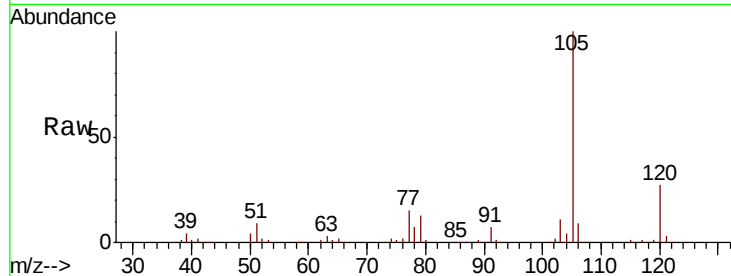
120 26.4 13.1 39.3

Manual Integrations

APPROVED

apatel

12/21/2018 11:02:36 AM



#74

N-ethyl acetate

Concen: 17.775 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Tgt Ion: 43 Resp: 12261

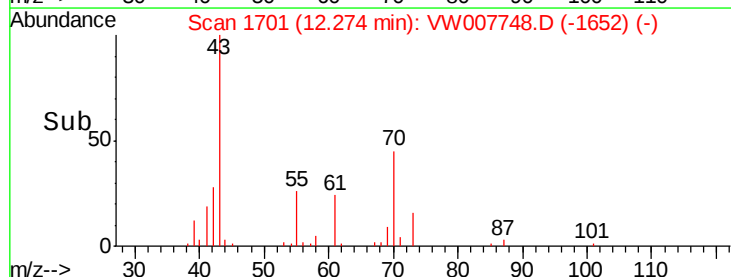
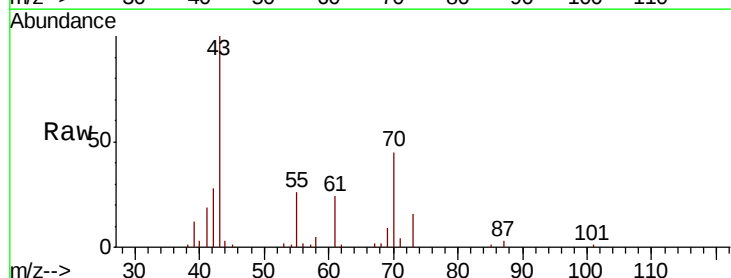
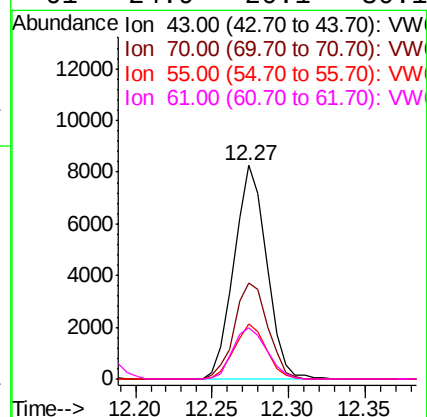
Ion Ratio Lower Upper

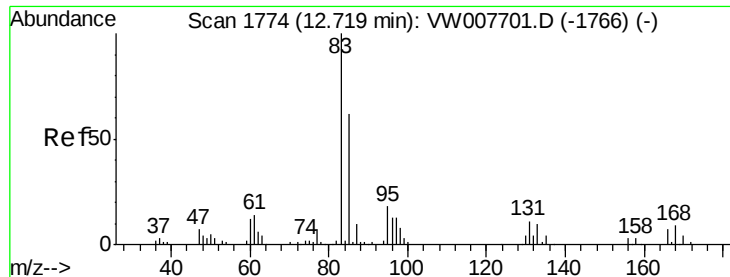
43 100

70 45.8 37.6 56.4

55 25.1 21.7 32.5

61 24.9 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 18.711 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

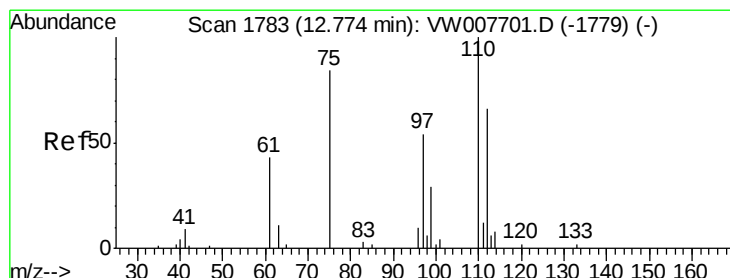
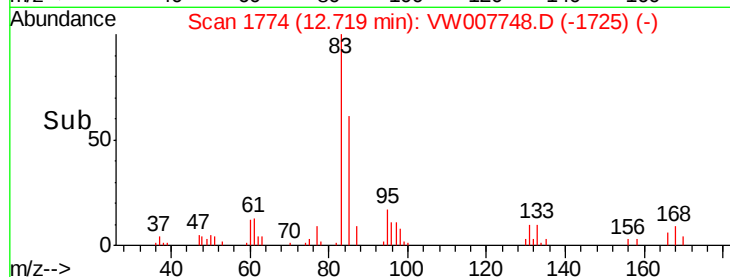
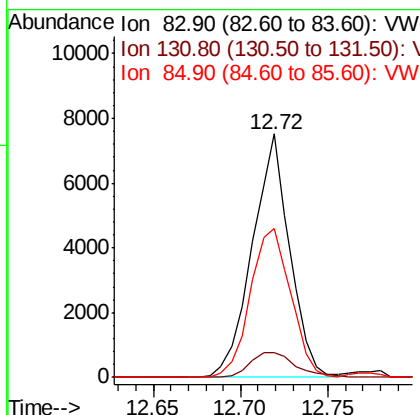
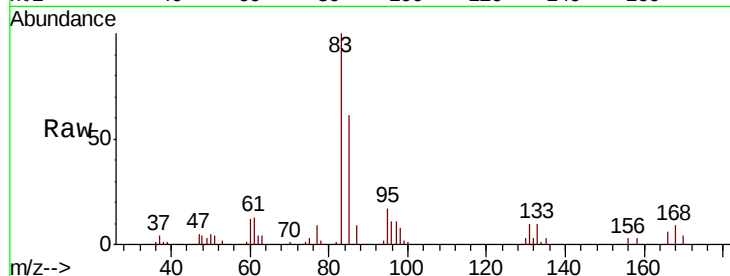
ClientSampleId :

VW1222SBS01

Tgt Ion:	83	Resp:	11172
Ion Ratio	Lower	Upper	
83	100		
131	12.5	6.3	18.8
85	65.7	32.3	96.8

Manual Integrations
APPROVED

apatel
12/21/2018 11:02:36 AM



#76

1,2,3-Trichloropropane

Concen: 20.125 ug/l m

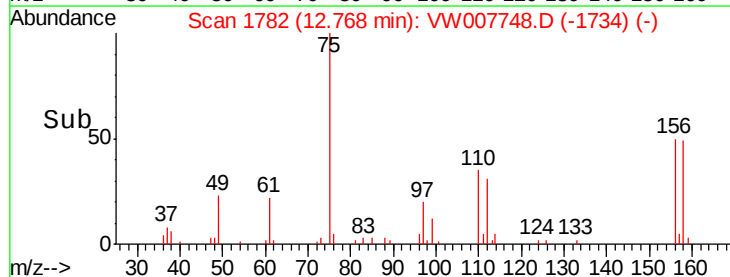
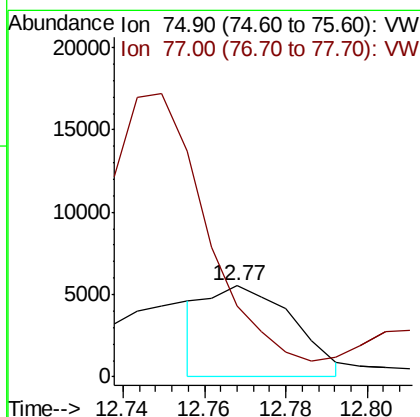
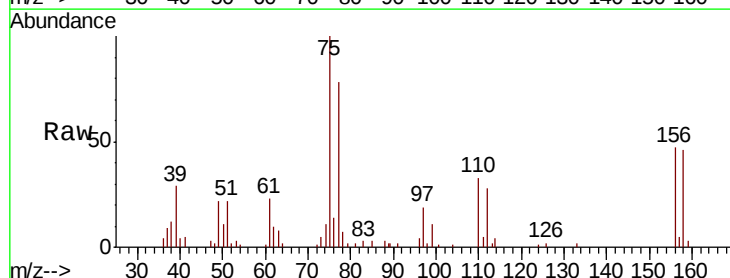
RT: 12.77 min Scan# 1782

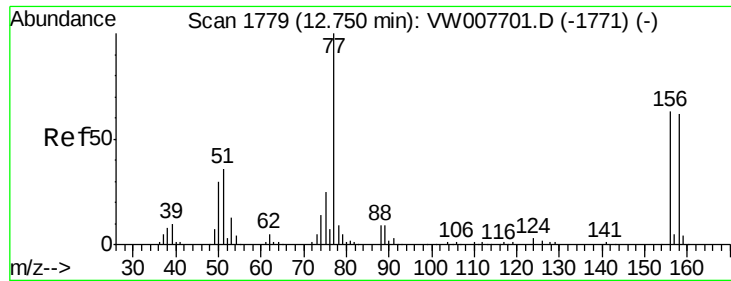
Delta R.T. -0.01 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Tgt Ion:	75	Resp:	8195
Ion Ratio	Lower	Upper	
75	100		
77	385.0	0.0	0.0#





#77

Bromobenzene

Concen: 20.412 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

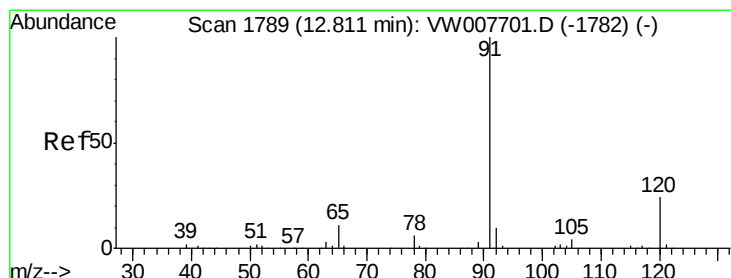
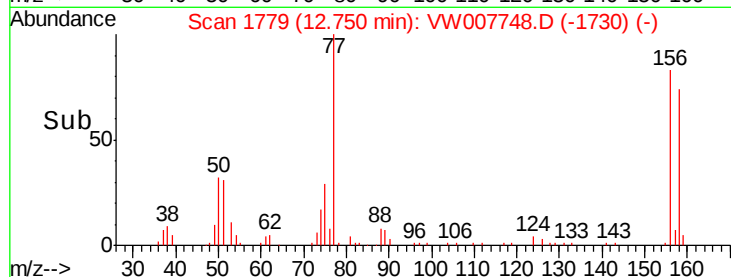
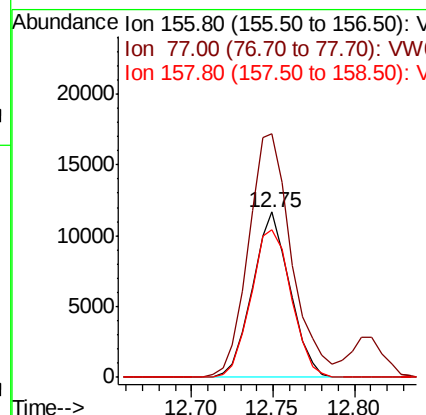
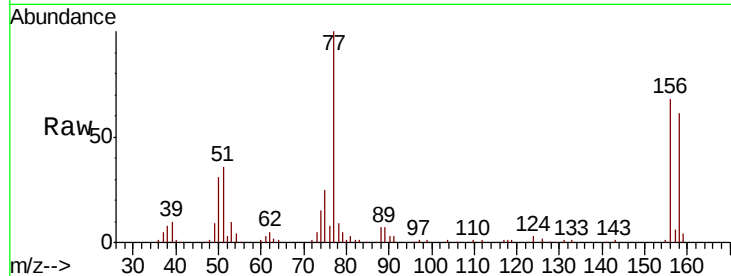
ClientSampleId :

VW1222SBS01

Tgt Ion:	156	Resp:	18629
Ion Ratio	Lower	Upper	
156	100		
77	169.3	87.4	262.1
158	95.6	48.4	145.0

Manual Integrations
APPROVED

apatel
12/21/2018 11:02:36 AM



#78

n-propylbenzene

Concen: 21.481 ug/l

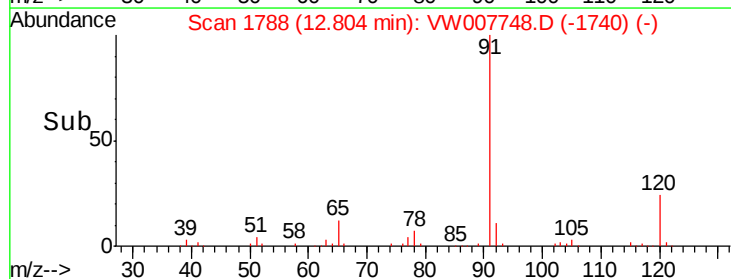
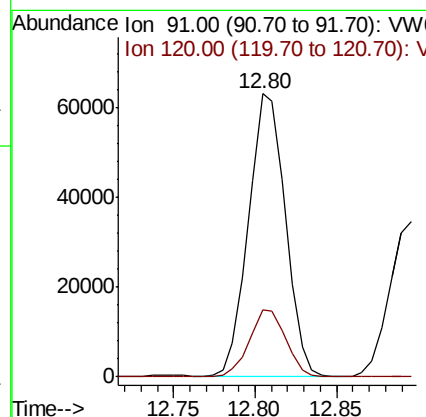
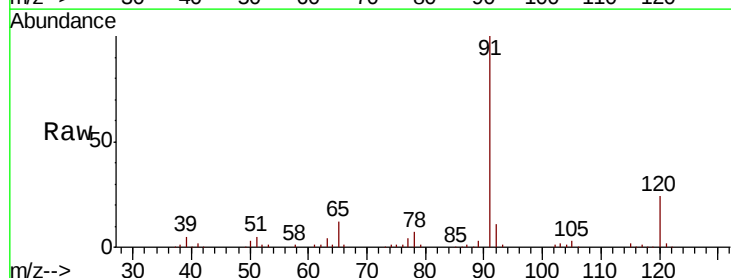
RT: 12.80 min Scan# 1788

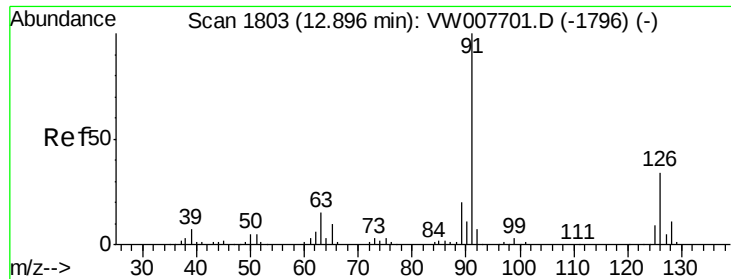
Delta R.T. -0.01 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Tgt Ion:	91	Resp:	99577
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.9	35.7





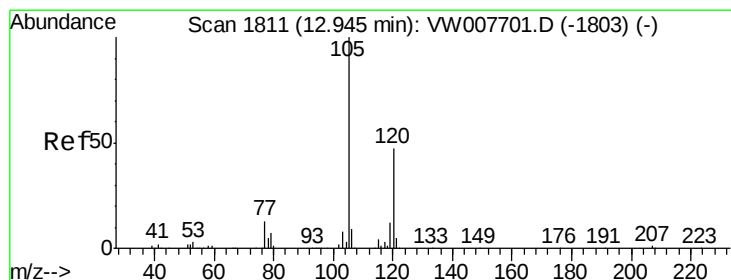
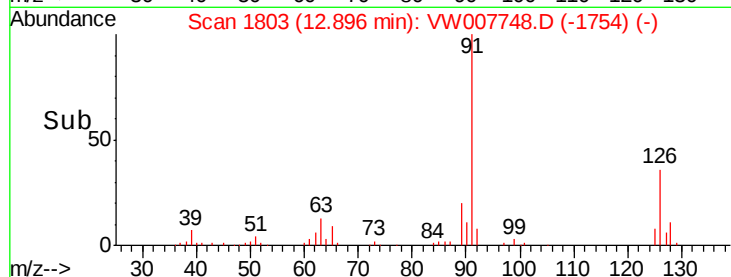
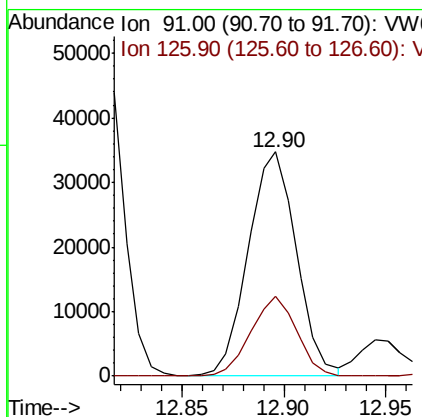
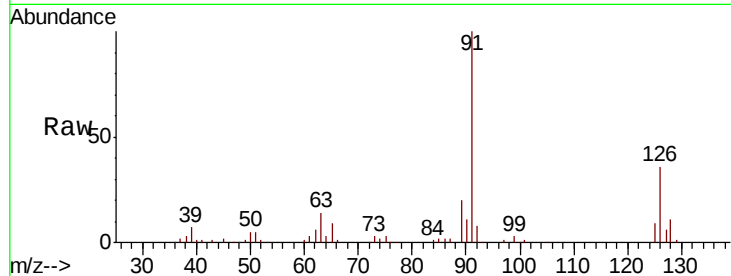
#79
 2-Chlorotoluene
 Concen: 21.112 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1222SBS01

Tgt Ion: 91 Resp: 57013
 Ion Ratio Lower Upper
 91 100
 126 34.1 17.0 51.0

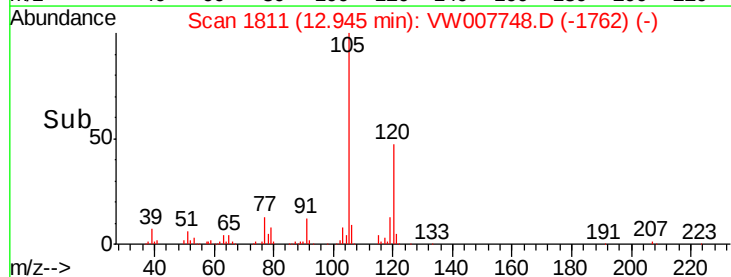
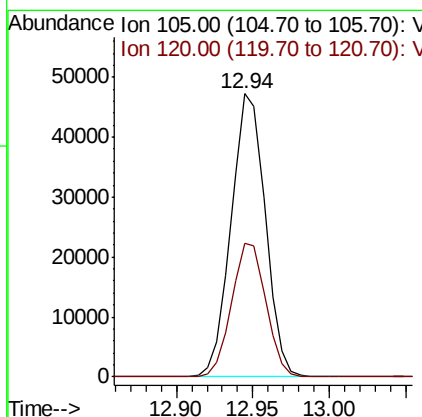
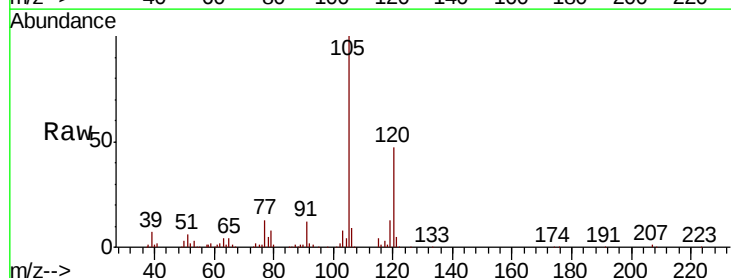
Manual Integrations
 APPROVED

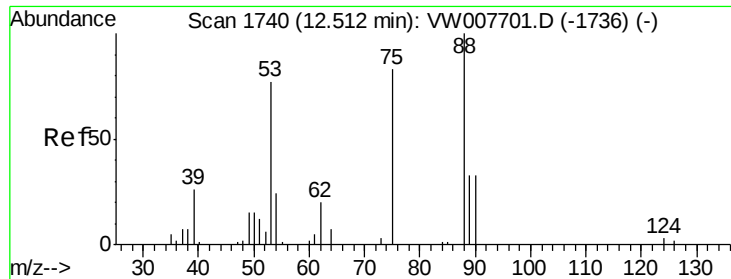
apatel
 12/21/2018 11:02:36 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.322 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Tgt Ion: 105 Resp: 73243
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.6 70.8





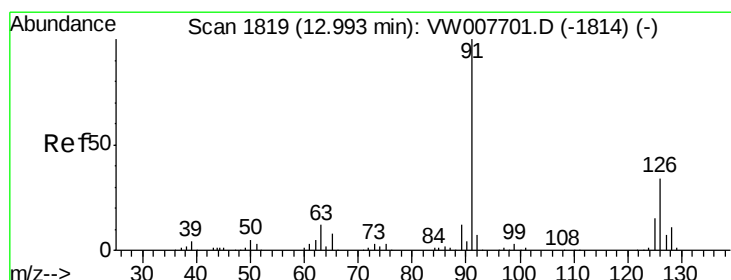
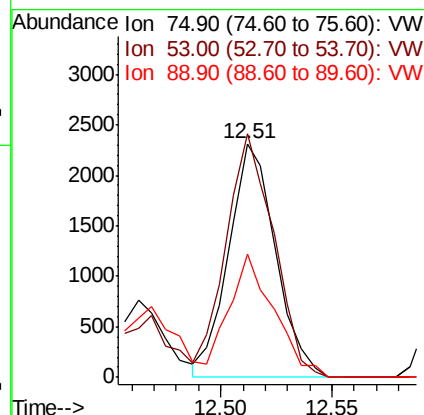
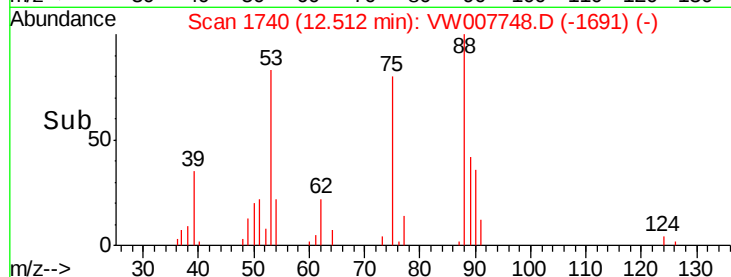
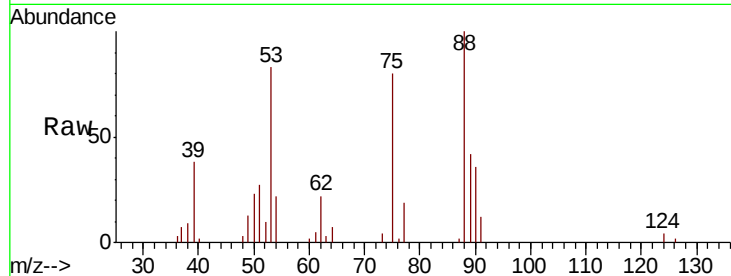
#81
trans-1,4-Dichloro-2-butene
Concen: 17.511 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Instrument :
MSVOA_W
ClientSampleId :
VW1222SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	106.1	80.2	120.2
89	50.4	39.2	58.8

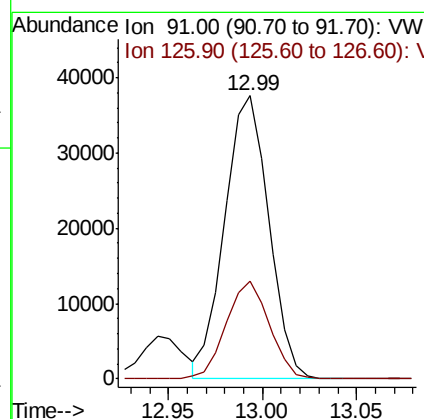
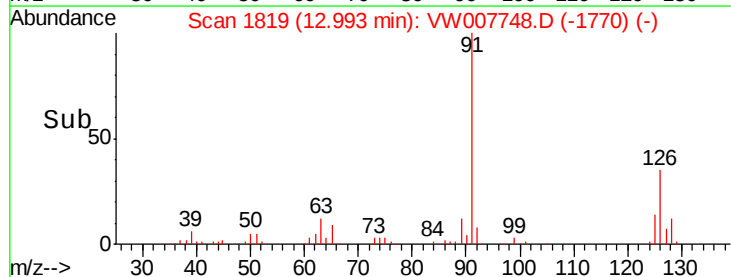
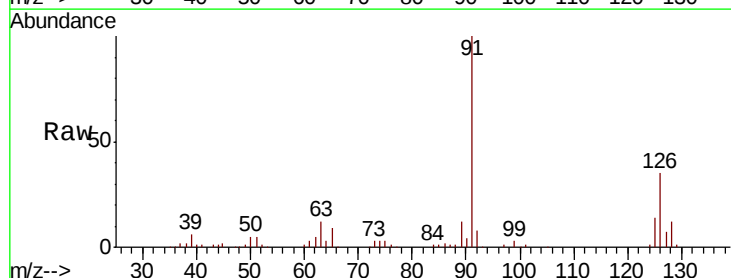
Manual Integrations
APPROVED

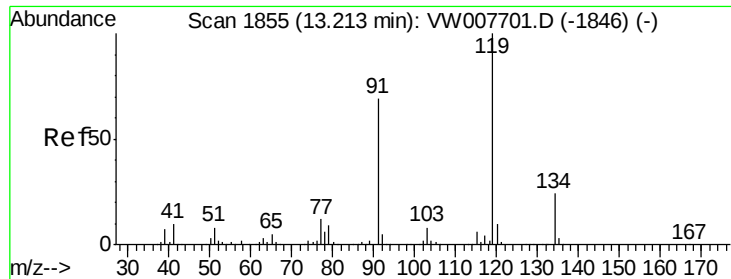
apatel
12/21/2018 11:02:36 AM



#82
4-Chlorotoluene
Concen: 21.214 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.5	49.5





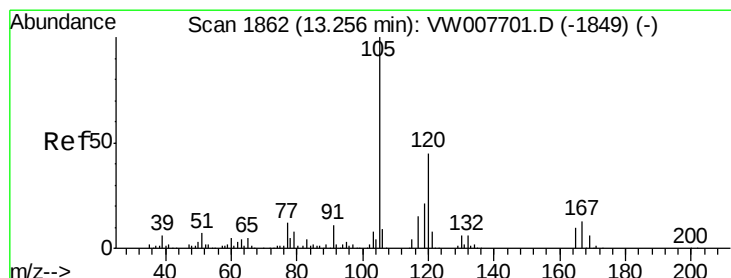
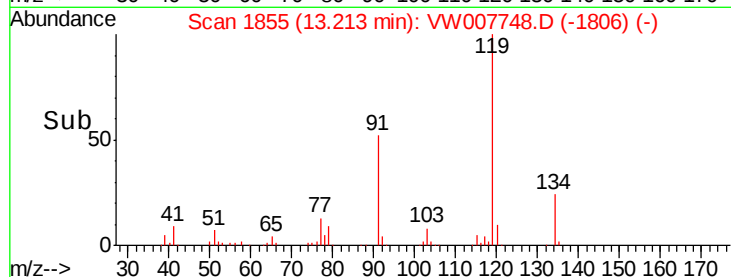
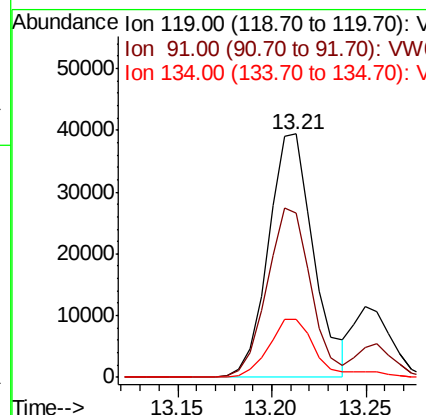
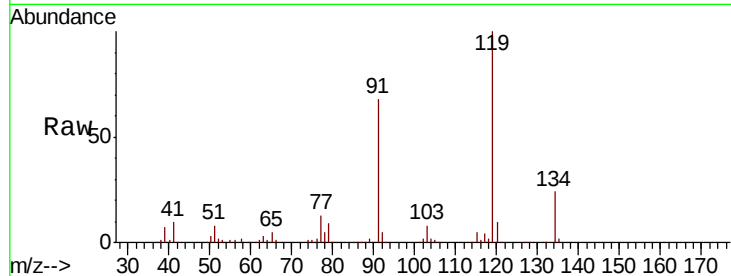
#83
tert-Butylbenzene
Concen: 21.712 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Instrument :
MSVOA_W
ClientSampleId :
VW1222SBS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	67.6	34.2	102.5
134	25.7	12.8	38.4

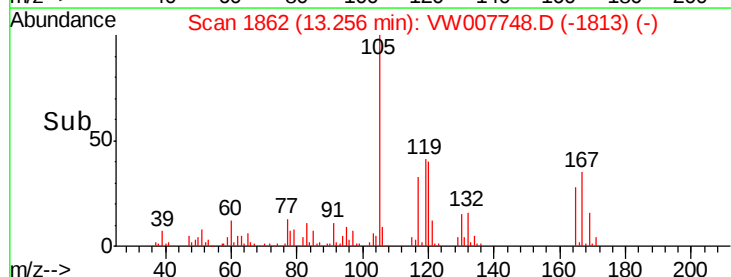
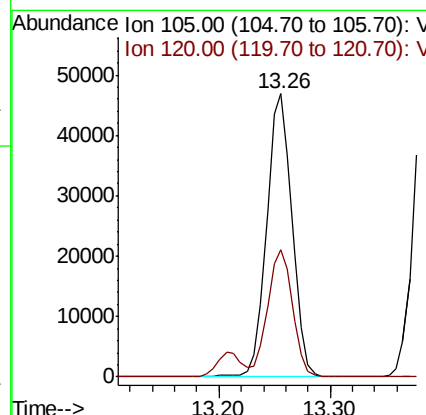
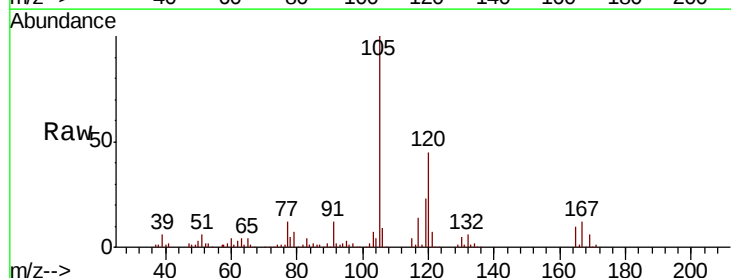
Manual Integrations
APPROVED

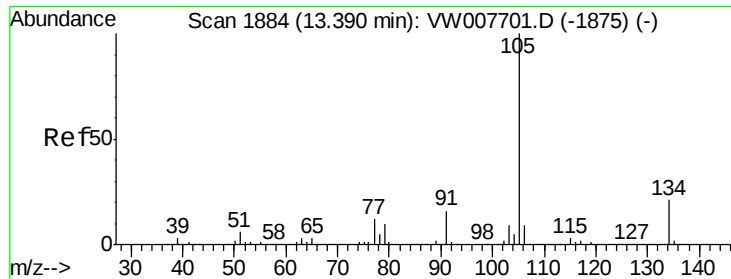
apatel
12/21/2018 11:02:36 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.531 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.0	66.0





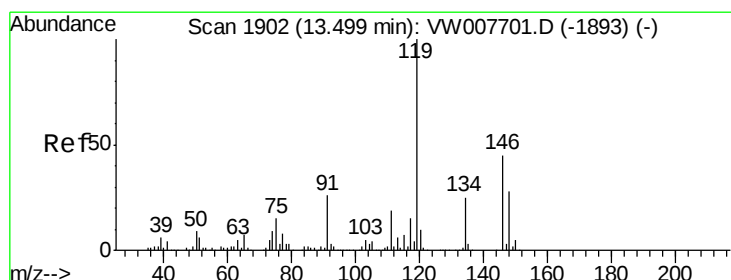
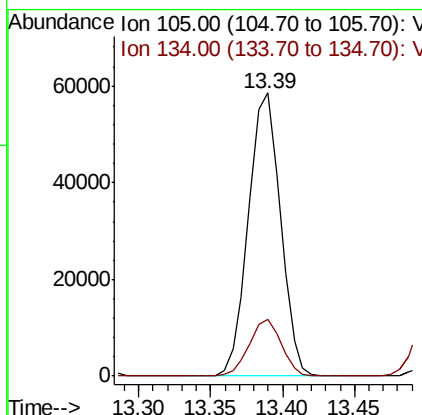
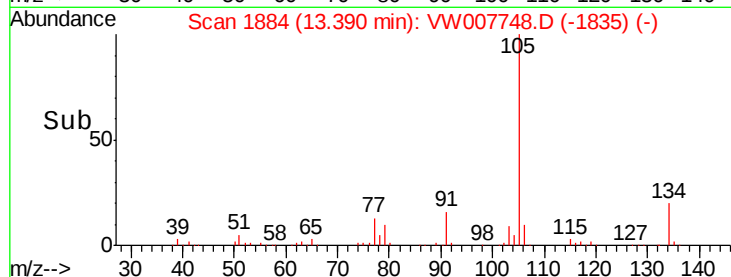
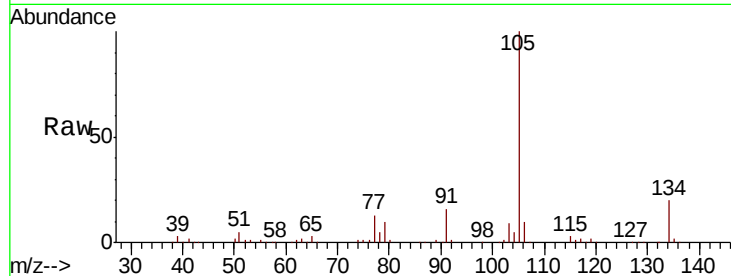
#85
 sec-Butylbenzene
 Concen: 21.726 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1222SBS01

Tgt Ion:105 Resp: 90246
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.2 30.4

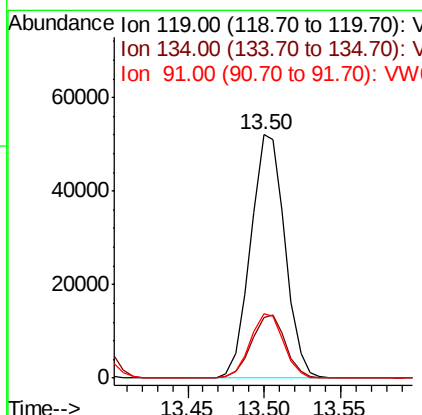
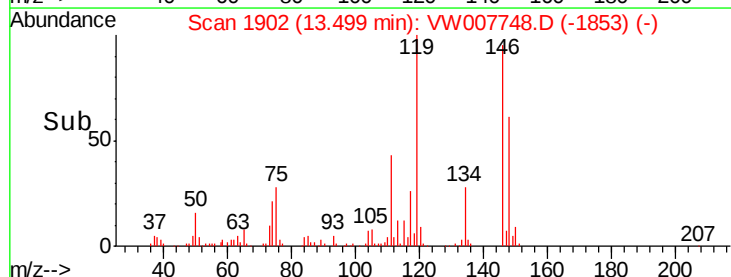
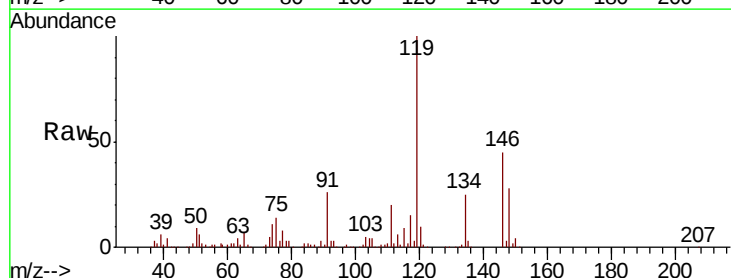
Manual Integrations
 APPROVED

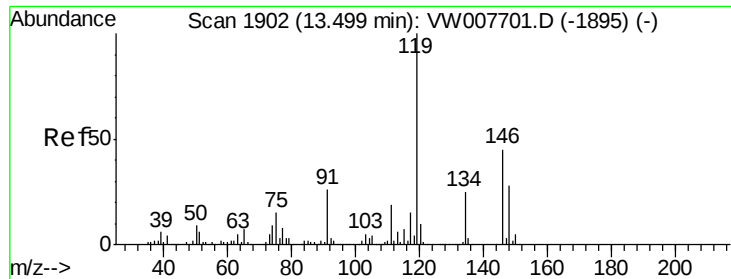
apatel
 12/21/2018 11:02:36 AM



#86
 p-Isopropyltoluene
 Concen: 21.481 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Tgt Ion:119 Resp: 81137
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.0 39.0
 91 25.9 12.8 38.4





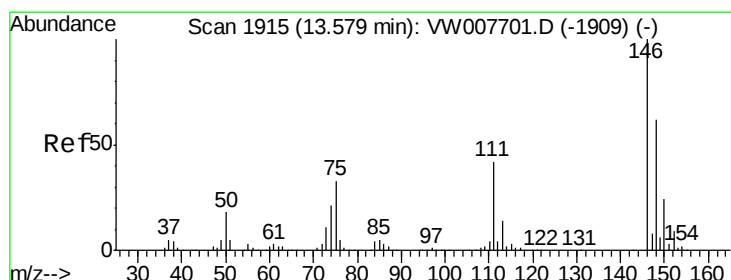
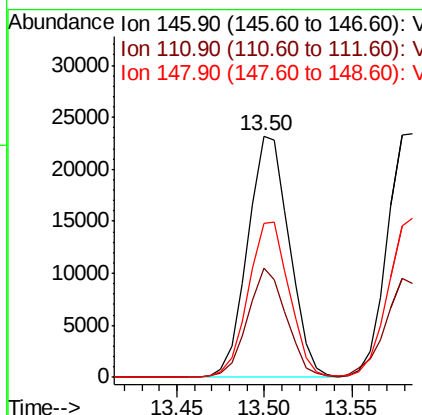
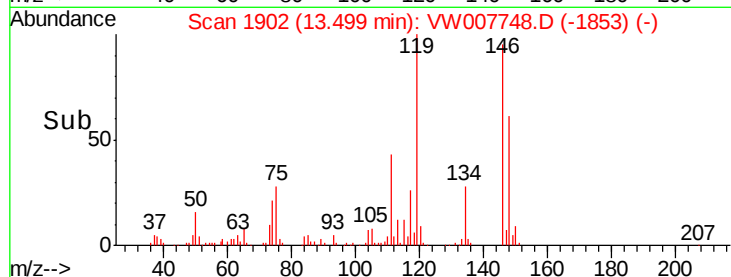
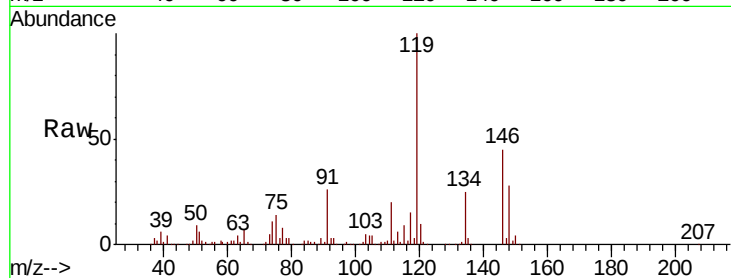
#87
 1,3-Dichlorobenzene
 Concen: 21.170 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1222SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.4
148	63.4	32.1	96.5

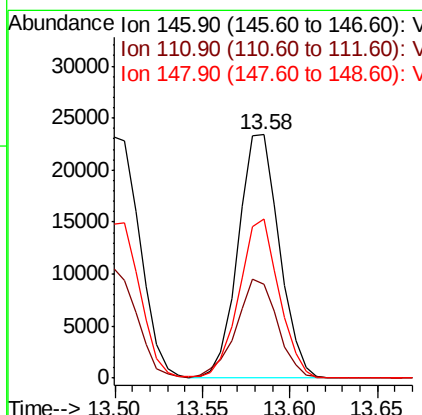
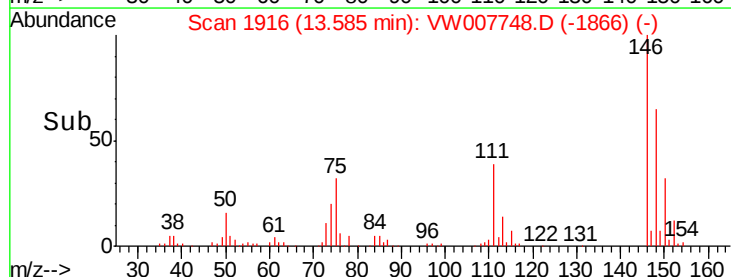
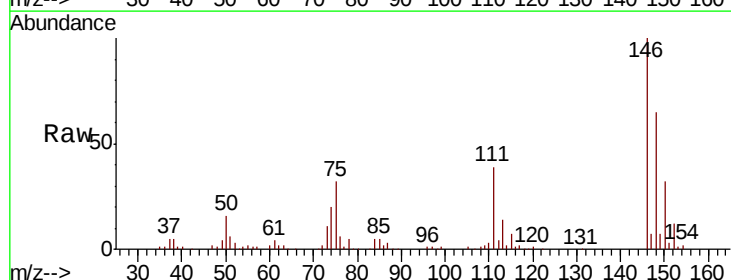
Manual Integrations
 APPROVED

apatel
 12/21/2018 11:02:36 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.085 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.0	63.0
148	63.4	31.8	95.4





#89

n-Butylbenzene

Concen: 21.847 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

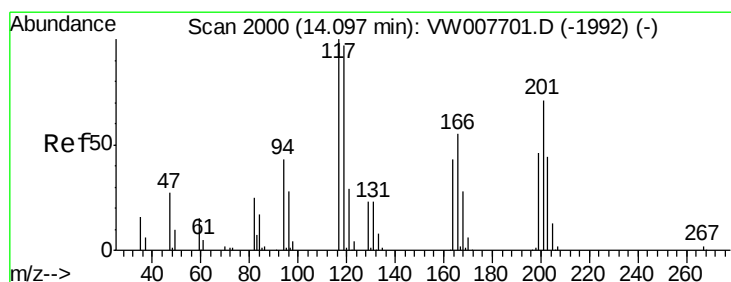
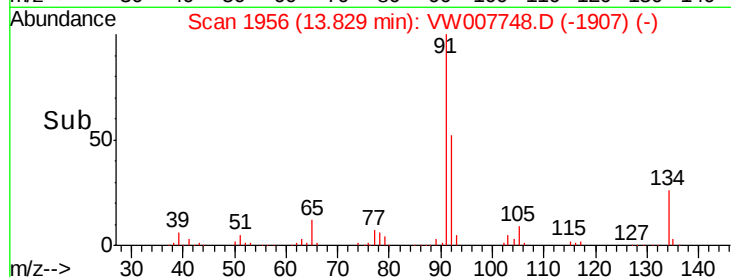
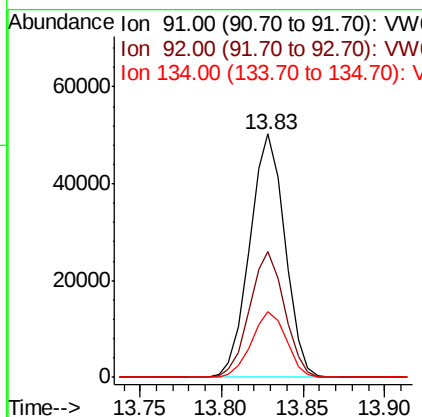
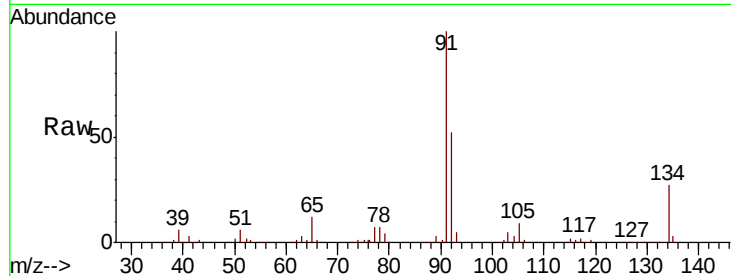
ClientSampleId :

VW1222SBS01

Tgt Ion:	91	Resp:	75661
Ion Ratio	Lower	Upper	
91	100		
92	51.4	26.4	79.2
134	26.8	13.7	41.0

Manual Integrations
APPROVED

apatel
12/21/2018 11:02:36 AM



#90

Hexachloroethane

Concen: 21.254 ug/l

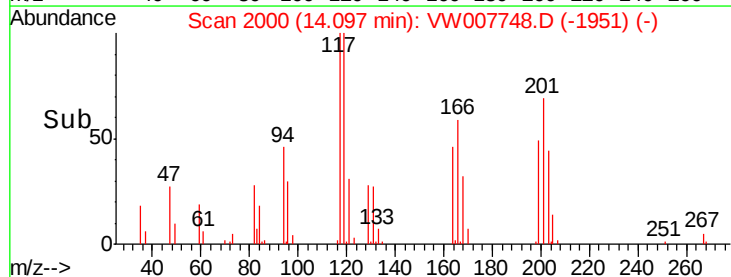
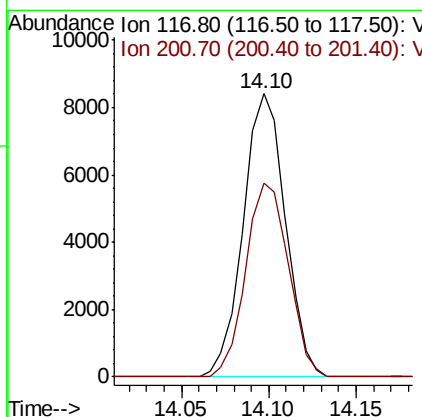
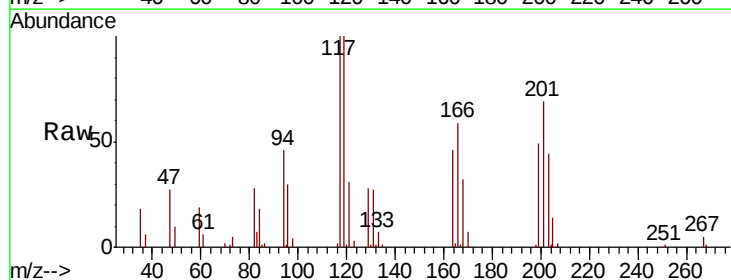
RT: 14.10 min Scan# 2000

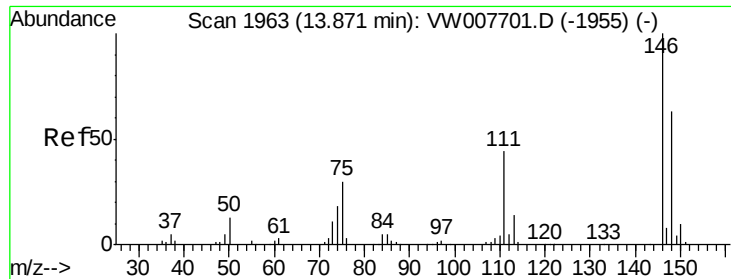
Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Tgt Ion:	117	Resp:	14094
Ion Ratio	Lower	Upper	
117	100		
201	69.3	36.2	108.6





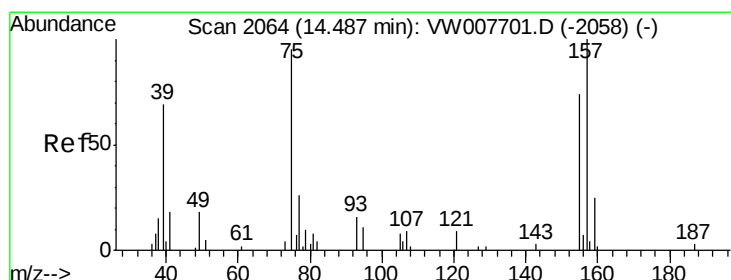
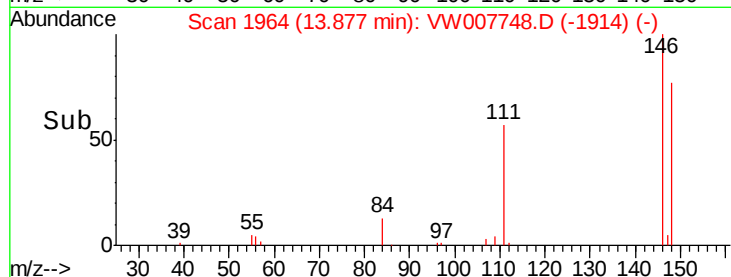
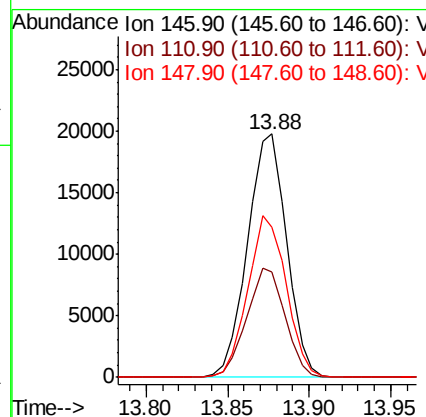
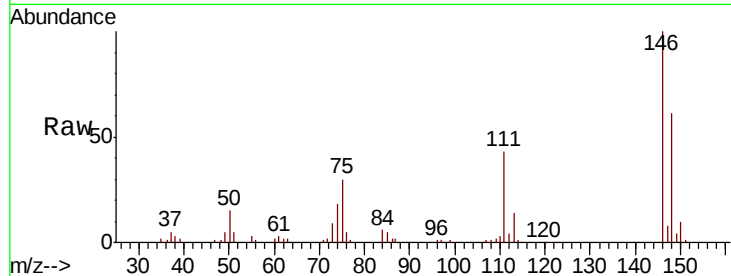
#91
 1,2-Dichlorobenzene
 Concen: 20.414 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1222SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.7	65.1
148	64.8	32.1	96.5

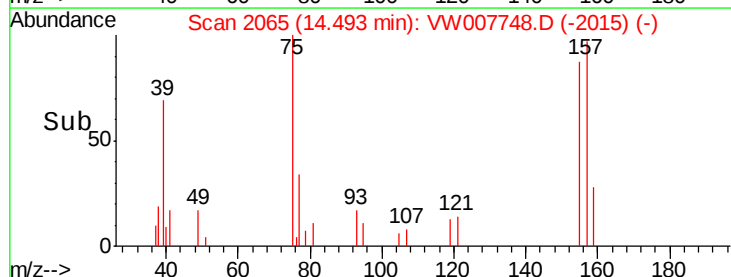
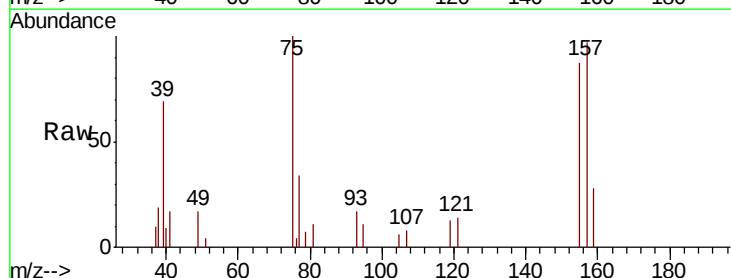
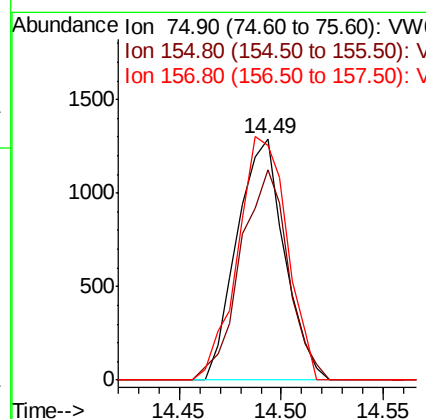
Manual Integrations
 APPROVED

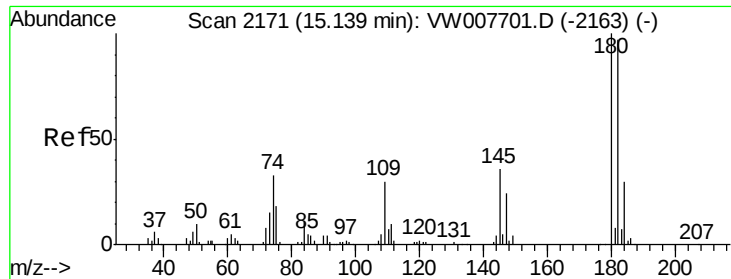
apatel
 12/21/2018 11:02:36 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.045 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.7	39.4	118.1
157	104.8	52.0	156.0





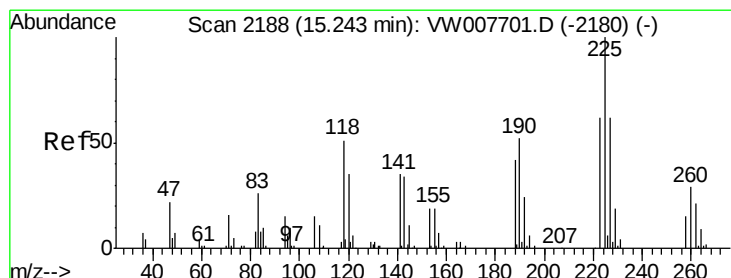
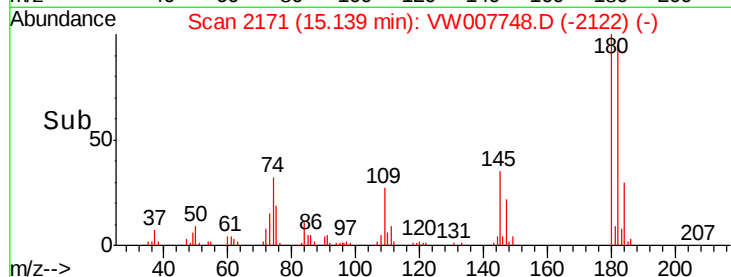
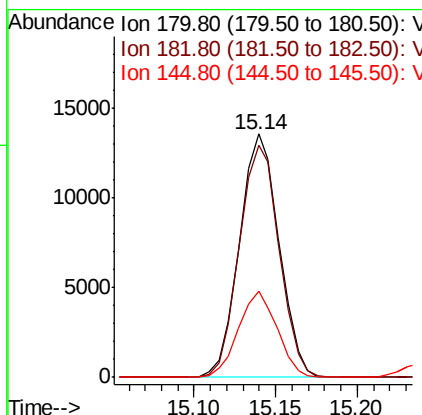
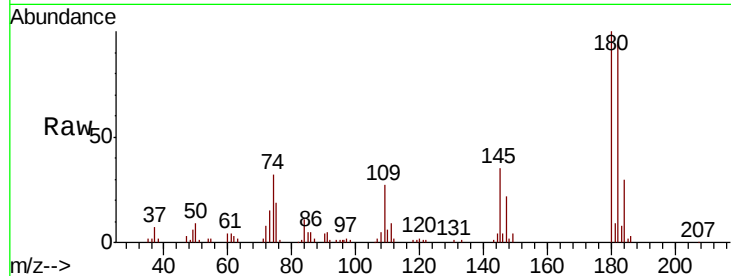
#93
1,2,4-Trichlorobenzene
Concen: 20.281 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Instrument :
MSVOA_W
ClientSampleId :
VW1222SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	22840		
182	96.0	47.5	142.6	
145	34.6	17.5	52.5	

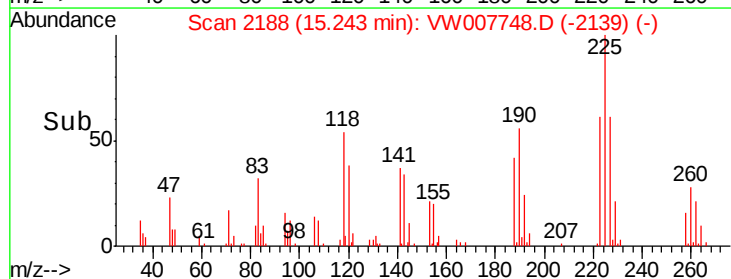
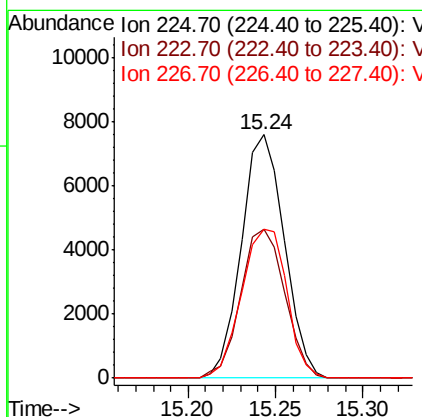
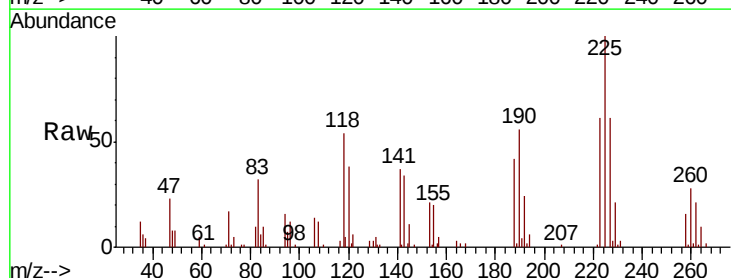
Manual Integrations
APPROVED

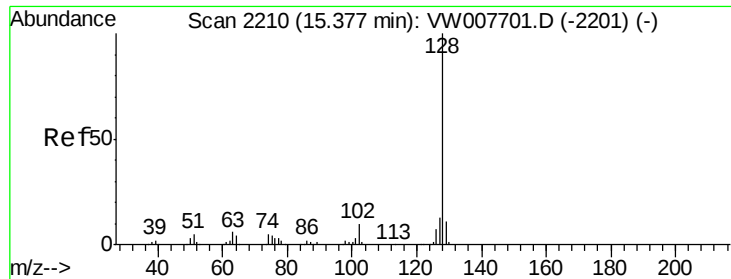
apatel
12/21/2018 11:02:36 AM



#94
Hexachlorobutadiene
Concen: 21.494 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	12936		
223	63.2	31.6	94.8	
227	64.6	32.1	96.3	





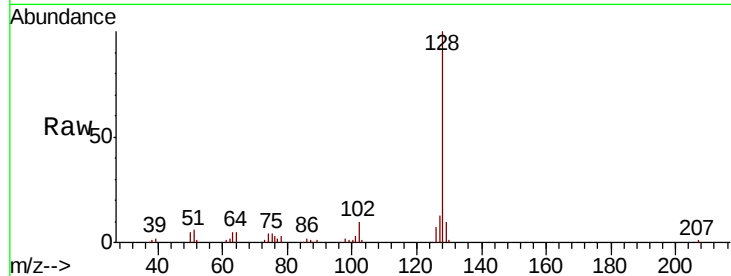
#95
Naphthalene
Concen: 19.064 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Instrument :
MSVOA_W
ClientSampleId :
VW1222SBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.7	16.1
129	10.6	8.8	13.2

Manual Integrations
APPROVED

apatel
12/21/2018 11:02:36 AM

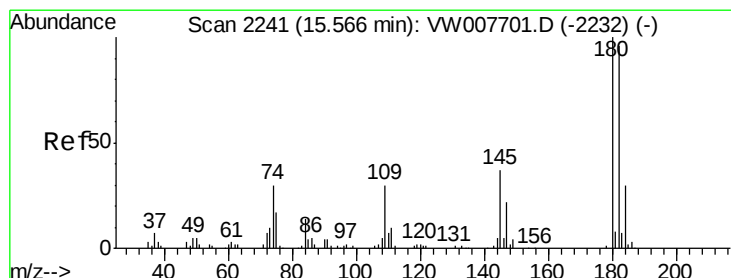
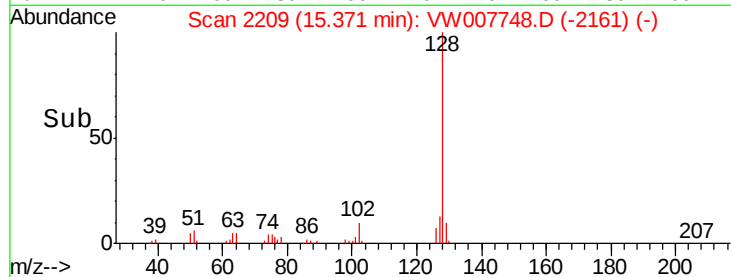
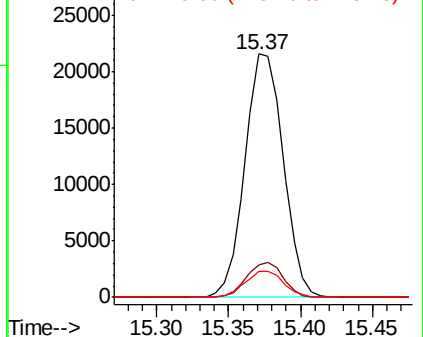


Abundance

Ion 128.00 (127.70 to 128.70): V

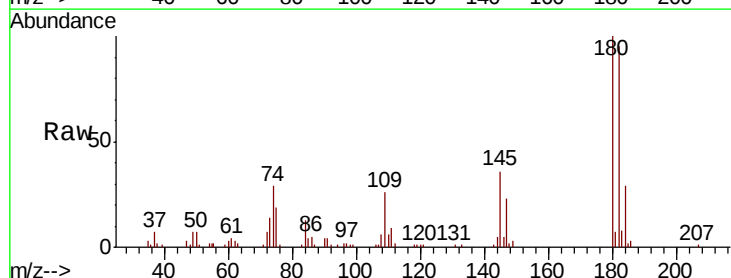
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.222 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.4	142.2
145	36.0	18.4	55.0



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

