

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\W120618\
 Data File : VW007304.D
 Acq On : 07 Dec 2018 02:22
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/7/2018 12:20:10 PM

Quant Time: Dec 07 03:14:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 01:35:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	102428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	164880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	145405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	73655	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	45777	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	
35) Dibromofluoromethane	7.88	113	44467	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
50) Toluene-d8	10.33	98	191978	46.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.32%	
62) 4-Bromofluorobenzene	12.62	95	69850	44.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	49410	44.091	ug/l 100
3) Chloromethane	2.21	50	62575	44.093	ug/l 99
4) Vinyl Chloride	2.35	62	43818	49.313	ug/l 100
5) Bromomethane	2.76	94	27830	62.503	ug/l 94
6) Chloroethane	2.92	64	25211	50.568	ug/l 98
7) Trichlorofluoromethane	3.26	101	81502	47.046	ug/l 99
8) Diethyl Ether	3.69	74	25685	53.191	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	48869	46.698	ug/l 99
10) Methyl Iodide	4.28	142	41880	46.978	ug/l 100
11) Tert butyl alcohol	5.17	59	20754	226.195	ug/l 97
12) 1,1-Dichloroethene	4.04	96	46574	47.490	ug/l 98
13) Acrolein	3.90	56	15811	236.616	ug/l 98
14) Allyl chloride	4.67	41	76139	48.434	ug/l 98
15) Acrylonitrile	5.37	53	54398	269.471	ug/l 100
16) Acetone	4.13	43	47333	209.660	ug/l 97
17) Carbon Disulfide	4.38	76	152693	47.234	ug/l 98
18) Methyl Acetate	4.68	43	27103	52.594	ug/l 99
19) Methyl tert-butyl Ether	5.43	73	123845	53.635	ug/l 99
20) Methylene Chloride	4.92	84	62632	55.682	ug/l 97
21) trans-1,2-Dichloroethene	5.43	96	54243	49.534	ug/l 97
22) Diisopropyl ether	6.32	45	153575	54.421	ug/l 97
23) Vinyl Acetate	6.26	43	410291	266.455	ug/l 98
24) 1,1-Dichloroethane	6.22	63	93199	51.527	ug/l 99
25) 2-Butanone	7.17	43	64688	247.181	ug/l 97
26) 2,2-Dichloropropane	7.17	77	79755	45.885	ug/l 100
27) cis-1,2-Dichloroethene	7.17	96	60189	51.272	ug/l 100
28) Bromochloromethane	7.51	49	35309	54.139	ug/l 100
29) Tetrahydrofuran	7.53	42	42371	262.001	ug/l 98
30) Chloroform	7.68	83	98721	52.518	ug/l 100
31) Cyclohexane	7.96	56	87647	46.314	ug/l 99
32) 1,1,1-Trichloroethane	7.87	97	91190	51.549	ug/l 99
36) 1,1-Dichloropropene	8.09	75	79517	49.565	ug/l 99
37) Ethyl Acetate	7.26	43	28839	49.695	ug/l 98
38) Carbon Tetrachloride	8.07	117	78709	48.067	ug/l 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120618\
 Data File : VW007304.D
 Acq On : 07 Dec 2018 02:22
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/7/2018 12:20:10 PM

Quant Time: Dec 07 03:14:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 01:35:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	102571	47.760	ug/l	99
40) Benzene	8.33	78	228009	51.829	ug/l	99
41) Methacrylonitrile	7.49	41	16460	47.354	ug/l	93
42) 1,2-Dichloroethane	8.40	62	62176	50.571	ug/l	99
43) Isopropyl Acetate	8.43	43	59022	52.367	ug/l	99
44) Trichloroethene	9.10	130	63013	50.957	ug/l	99
45) 1,2-Dichloropropane	9.37	63	53254	52.019	ug/l	99
46) Dibromomethane	9.46	93	27676	52.026	ug/l	95
47) Bromodichloromethane	9.65	83	70744	50.557	ug/l	98
48) Methyl methacrylate	9.44	41	31743	54.264	ug/l	99
49) 1,4-Dioxane	9.45	88	10771	1159.067	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	152140	273.911	ug/l	99
52) Toluene	10.39	92	153987	50.320	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	73761	52.431	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	84387	51.184	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	37323	49.325	ug/l	92
56) Ethyl methacrylate	10.65	69	53474	54.177	ug/l	96
57) 1,3-Dichloropropane	10.93	76	64858	50.770	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	99555	251.113	ug/l	100
59) 2-Hexanone	10.97	43	104735	260.117	ug/l	97
60) Dibromochloromethane	11.13	129	47816	51.416	ug/l	96
61) 1,2-Dibromoethane	11.24	107	38776	53.428	ug/l	96
64) Tetrachloroethene	10.87	164	59106	55.637	ug/l	97
65) Chlorobenzene	11.66	112	175719	54.110	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	53782	53.625	ug/l	96
67) Ethyl Benzene	11.73	91	311187	52.576	ug/l	91
68) m/p-Xylenes	11.84	106	231700	99.787	ug/l	93
69) o-Xylene	12.17	106	115696	53.331	ug/l	98
70) Styrene	12.18	104	188420	53.058	ug/l	99
71) Bromoform	12.35	173	26657	53.096	ug/l #	99
73) Isopropylbenzene	12.47	105	299430	49.983	ug/l	98
74) N-amyl acetate	12.27	43	59200	55.737	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	43807	56.306	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	27548m	48.303	ug/l	
77) Bromobenzene	12.75	156	69471	53.725	ug/l	95
78) n-propylbenzene	12.81	91	356925	50.010	ug/l	97
79) 2-Chlorotoluene	12.90	91	200992	49.870	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	250854	48.949	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	13292	50.233	ug/l	97
82) 4-Chlorotoluene	12.99	91	224243	52.300	ug/l	96
83) tert-Butylbenzene	13.21	119	229869	51.326	ug/l	95
84) 1,2,4-Trimethylbenzene	13.26	105	256188	48.972	ug/l	93
85) sec-Butylbenzene	13.39	105	311569	48.731	ug/l	99
86) p-Isopropyltoluene	13.51	119	284325	49.955	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	136397	51.383	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	132917	49.571	ug/l	98
89) n-Butylbenzene	13.83	91	261990	49.259	ug/l	98
90) Hexachloroethane	14.10	117	43915	50.632	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	121664	52.943	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8179	54.268	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120618\
Data File : VW007304.D
Acq On : 07 Dec 2018 02:22
Operator : SY/AP
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

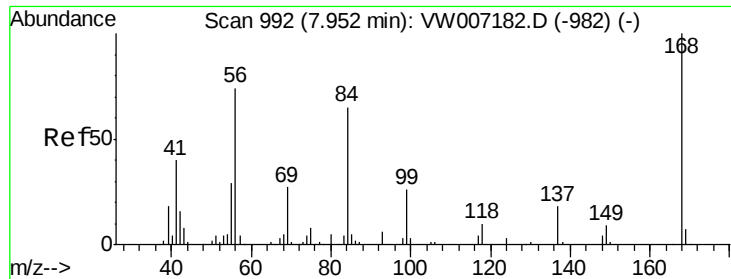
Manual Integrations
APPROVED

apatel
12/7/2018 12:20:10 PM

Quant Time: Dec 07 03:14:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 05 01:35:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	82239	51.639	ug/l	99
94) Hexachlorobutadiene	15.24	225	42694	49.714	ug/l	98
95) Naphthalene	15.38	128	150082	52.583	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	70153	52.241	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007304.D

Acq: 07 Dec 2018 02:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 102428

Ion Ratio Lower Upper

168 100

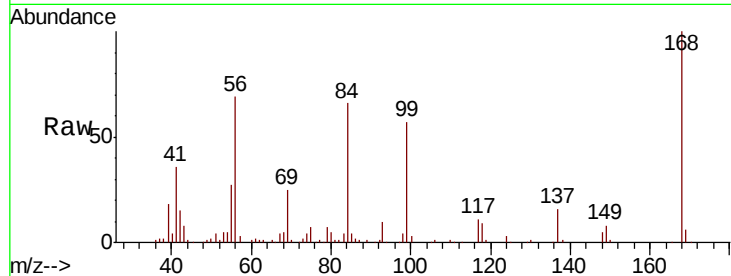
99 57.3 47.8 71.8

Manual Integrations

APPROVED

apatel

12/7/2018 12:20:10 PM



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

50000

40000

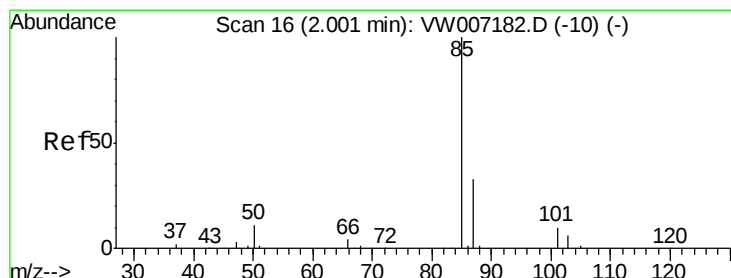
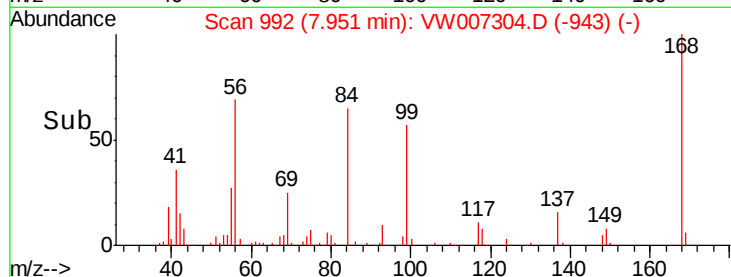
30000

20000

10000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 44.091 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW007304.D

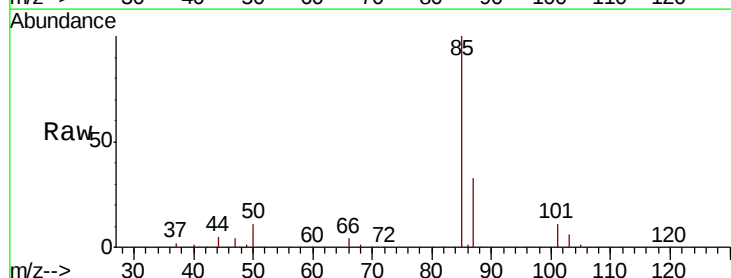
Acq: 07 Dec 2018 02:22

Tgt Ion: 85 Resp: 49410

Ion Ratio Lower Upper

85 100

87 33.0 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

40000

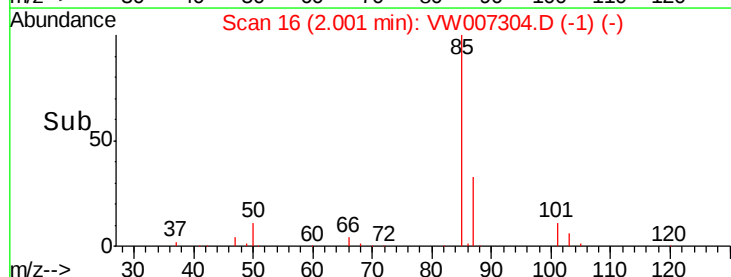
30000

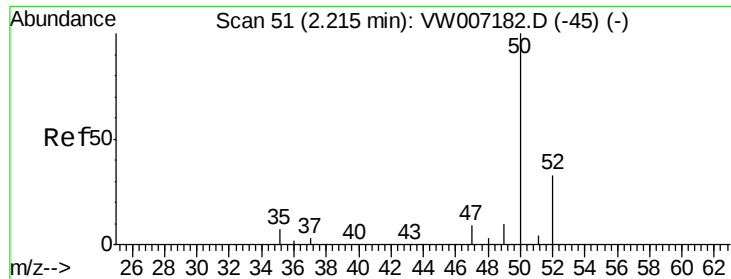
20000

10000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 44.093 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW007304.D

Acq: 07 Dec 2018 02:22

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050EC

Tot Ion: 50 Resp: 62575

Ion Ratio Lower Upper

50 100

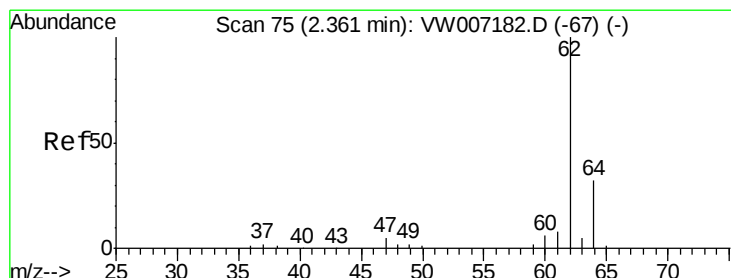
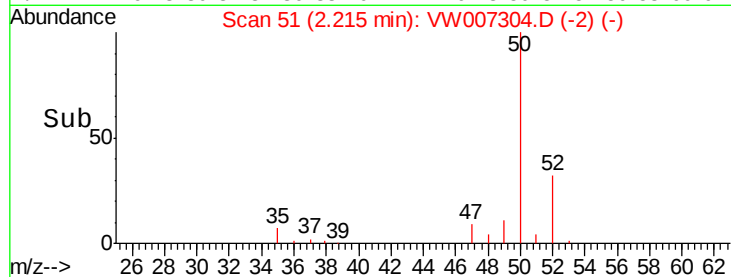
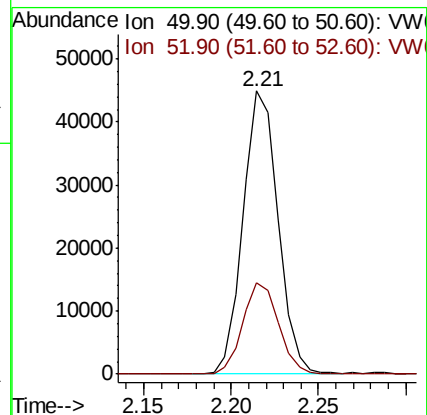
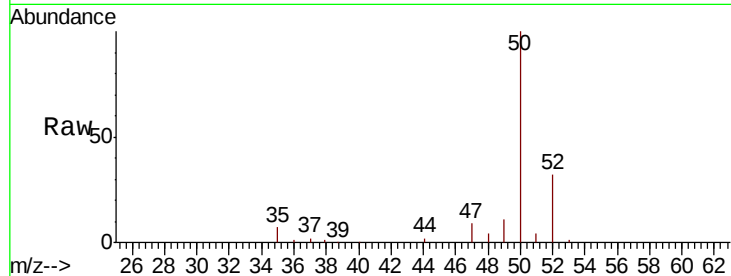
52 32.3 26.2 39.2

Manual Integrations

APPROVED

apatel

12/7/2018 12:20:10 PM



#4

Vinyl Chloride

Concen: 49.313 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW007304.D

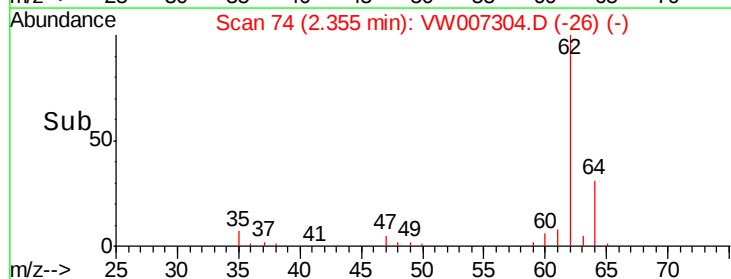
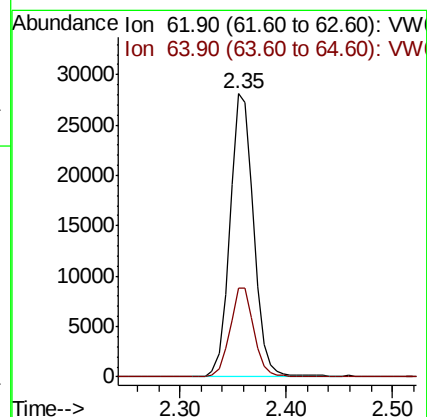
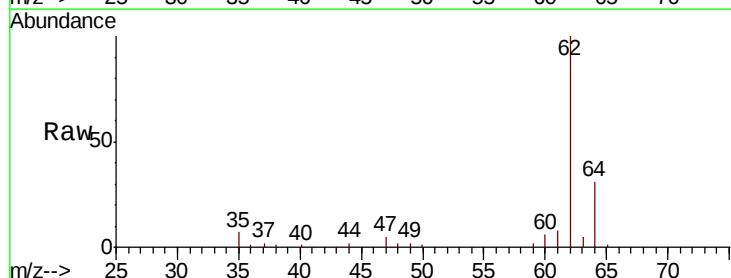
Acq: 07 Dec 2018 02:22

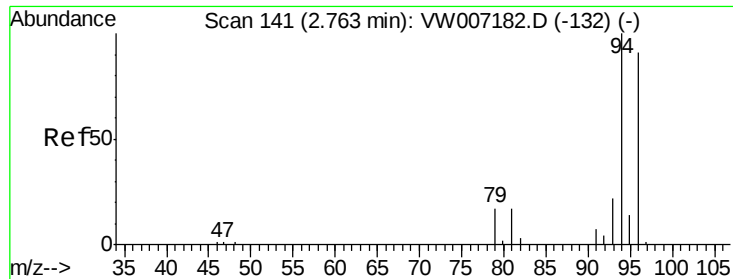
Tgt Ion: 62 Resp: 43818

Ion Ratio Lower Upper

62 100

64 31.4 25.3 37.9





#5

Bromomethane

Concen: 62.503 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW007304.D

Acq: 07 Dec 2018 02:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 27830

Ion Ratio Lower Upper

94 100

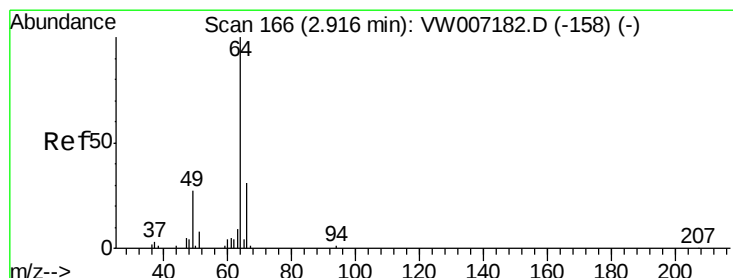
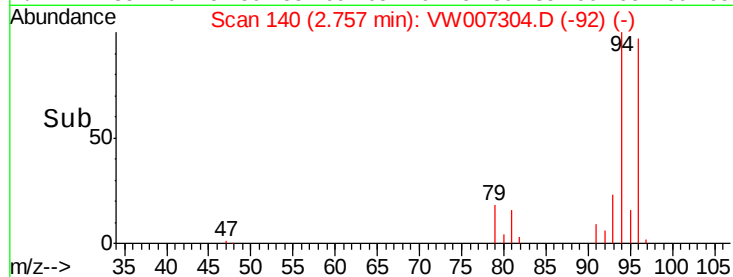
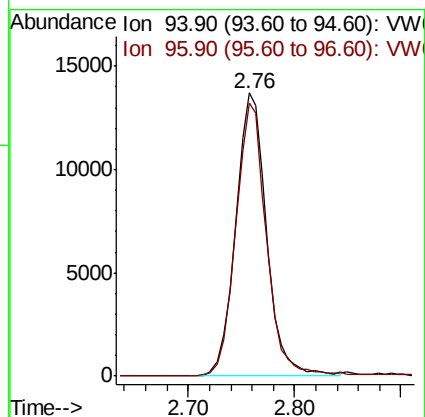
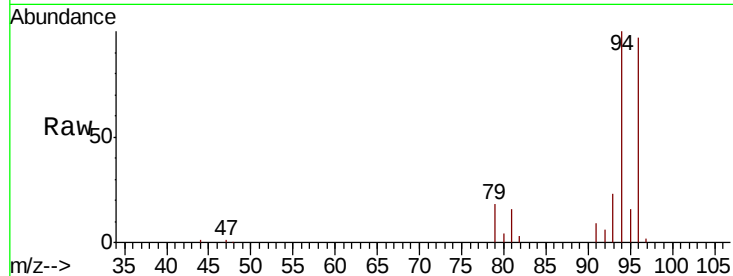
96 96.6 72.8 109.2

Manual Integrations

APPROVED

apatel

12/7/2018 12:20:10 PM



#6

Chloroethane

Concen: 50.568 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW007304.D

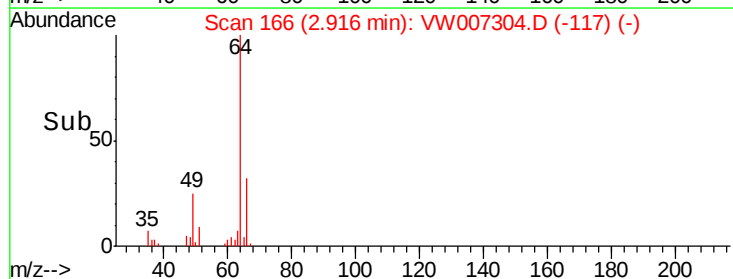
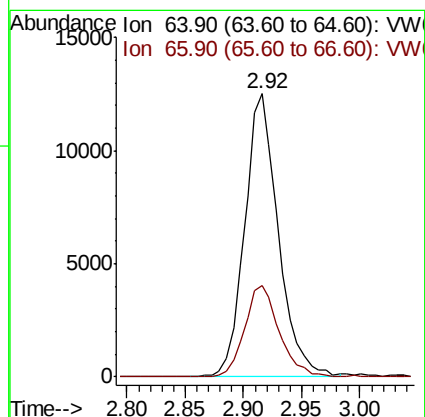
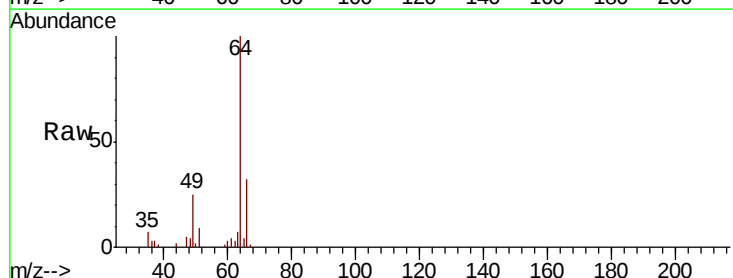
Acq: 07 Dec 2018 02:22

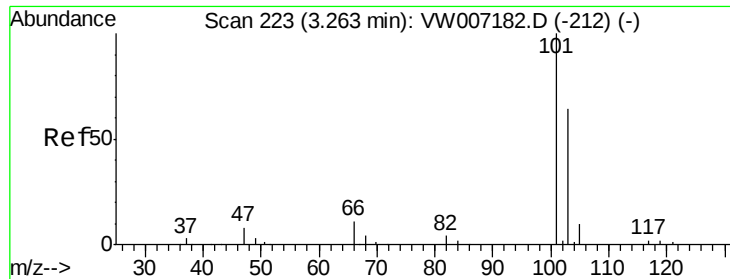
Tgt Ion: 64 Resp: 25211

Ion Ratio Lower Upper

64 100

66 32.2 25.0 37.6





#7

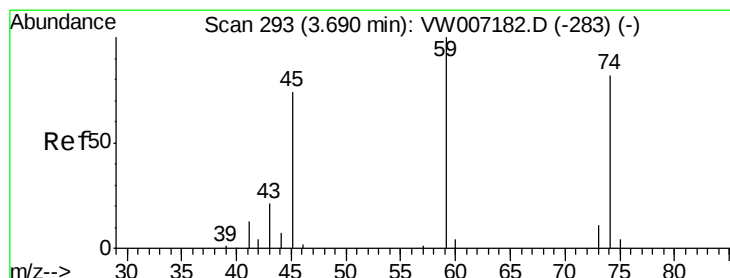
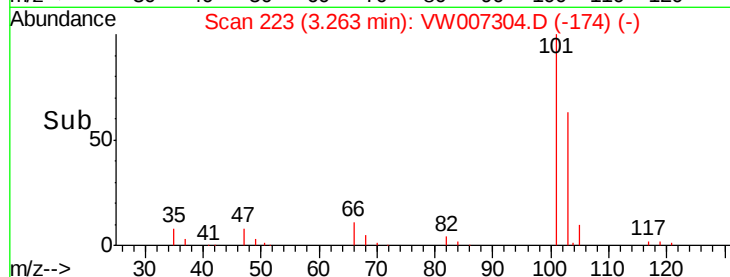
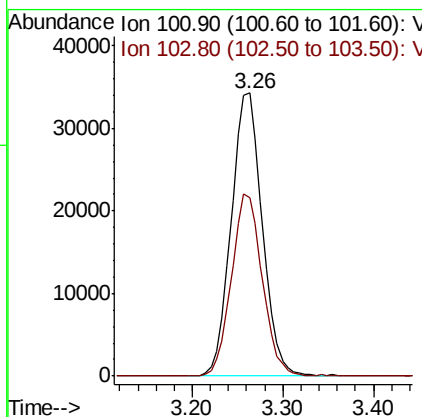
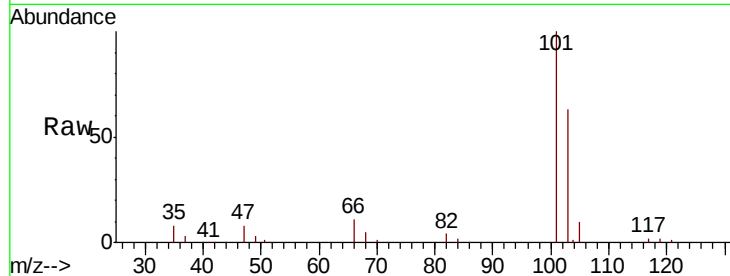
Trichlorofluoromethane
 Concen: 47.046 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW007304.D
 Acq: 07 Dec 2018 02:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		81502		
103	63.0	50.9	76.3		

Manual Integrations
 APPROVED

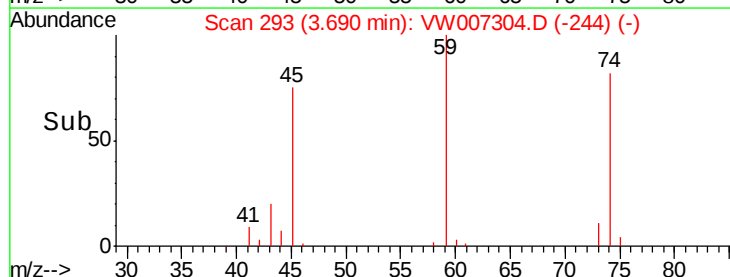
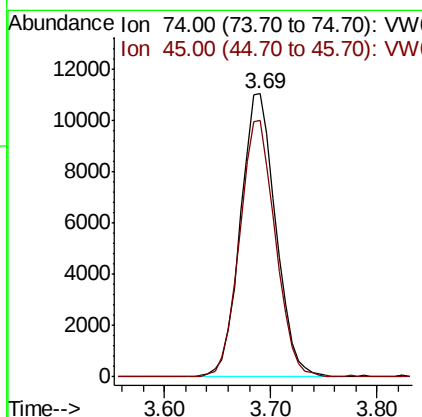
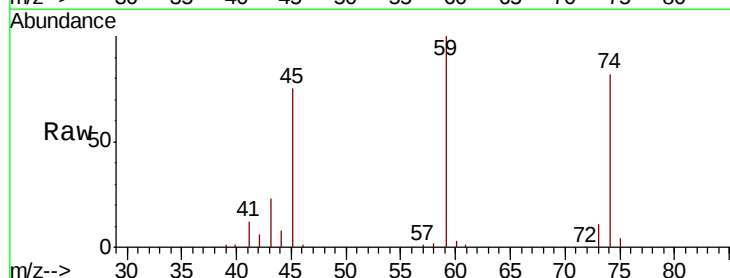
apatel
 12/7/2018 12:20:10 PM

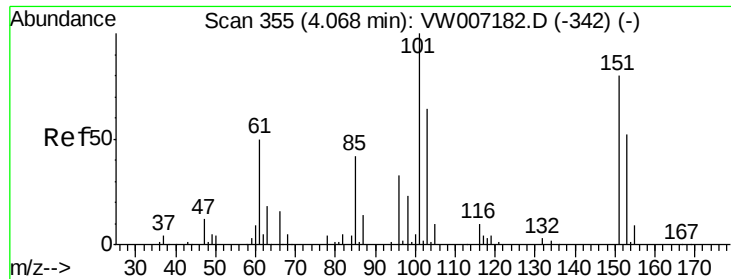


#8

Diethyl Ether
 Concen: 53.191 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VW007304.D
 Acq: 07 Dec 2018 02:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		25685		
45	91.3	47.2	141.6		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.698 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW007304.D

Acq: 07 Dec 2018 02:22

Instrument :

MSVOA_W

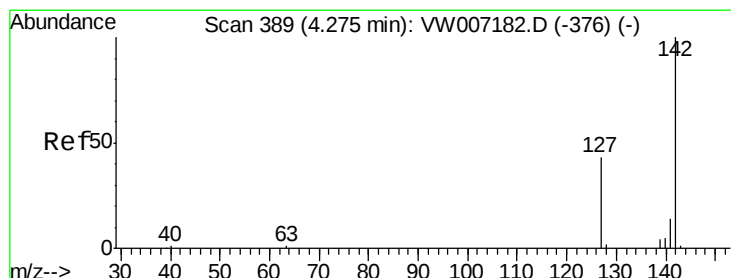
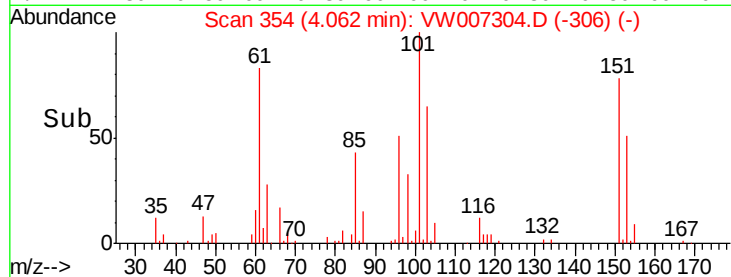
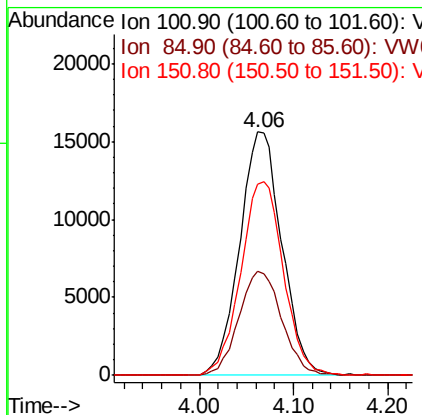
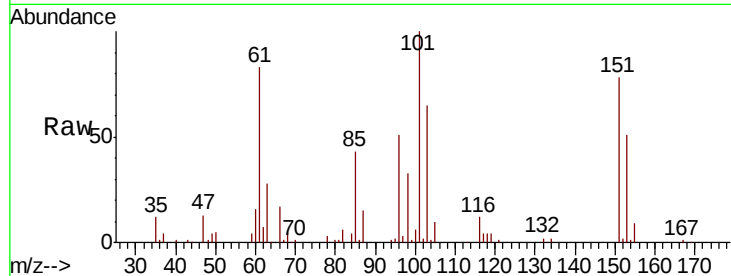
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	48869
Ion Ratio	Lower	Upper	
101	100		
85	43.3	33.4	50.2
151	80.6	63.9	95.9

Manual Integrations
APPROVED

apatel
12/7/2018 12:20:10 PM



#10

Methyl Iodide

Concen: 46.978 ug/l

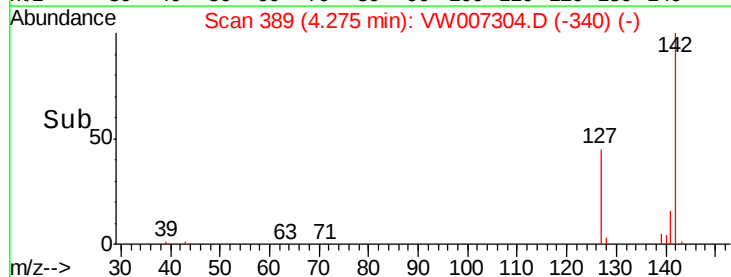
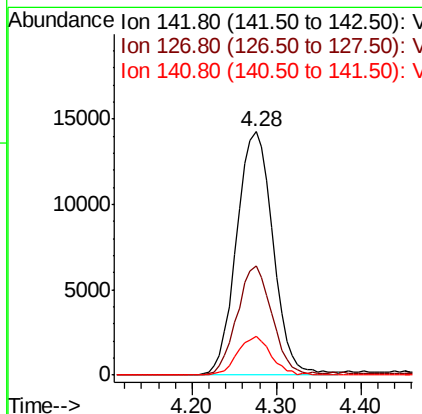
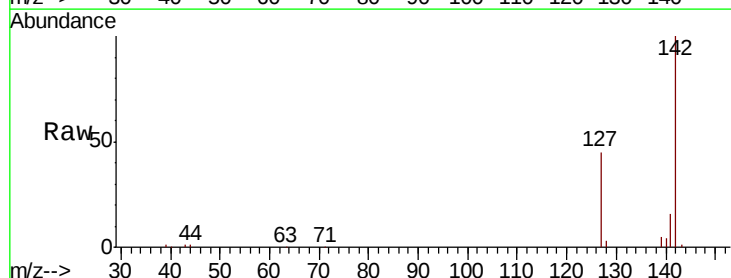
RT: 4.28 min Scan# 389

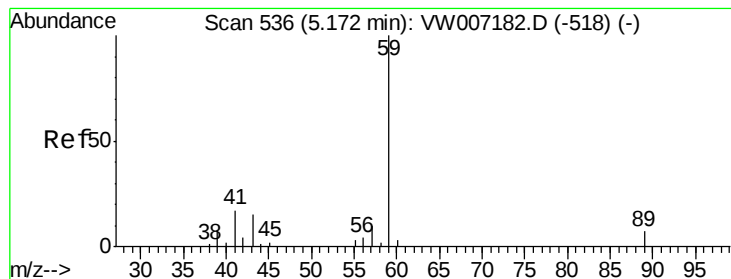
Delta R.T. -0.00 min

Lab File: VW007304.D

Acq: 07 Dec 2018 02:22

Tgt Ion:	142	Resp:	41880
Ion Ratio	Lower	Upper	
142	100		
127	43.2	34.9	52.3
141	14.5	11.7	17.5





#11

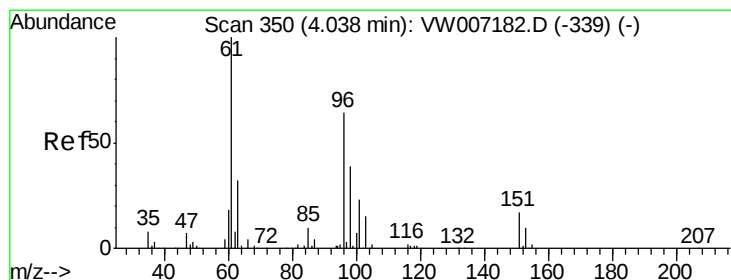
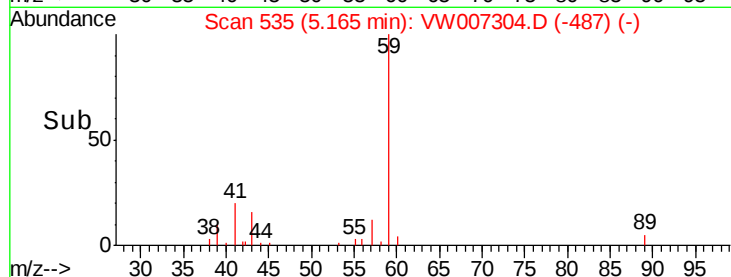
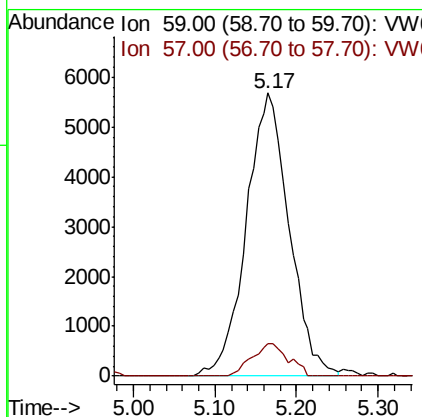
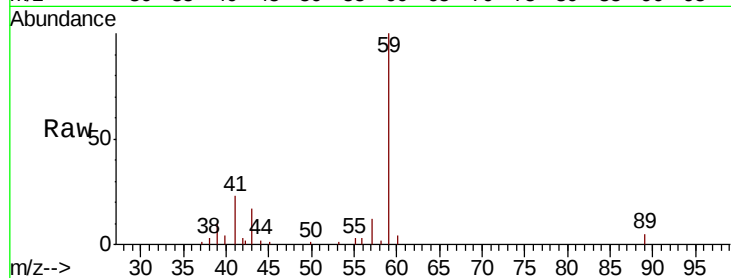
Tert butyl alcohol
 Concen: 226.195 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW007304.D
 Acq: 07 Dec 2018 02:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.1	10.7

Manual Integrations
 APPROVED

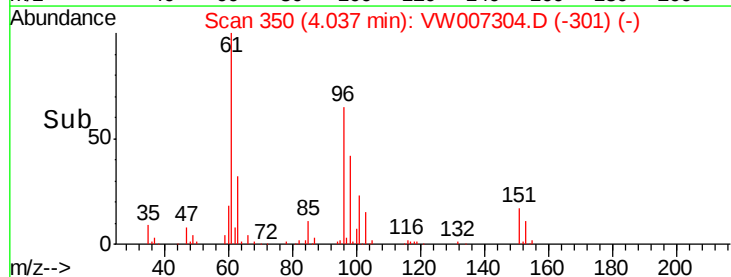
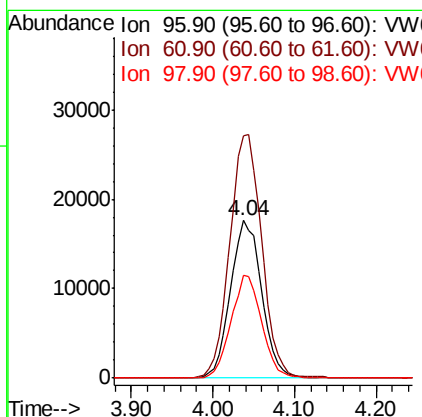
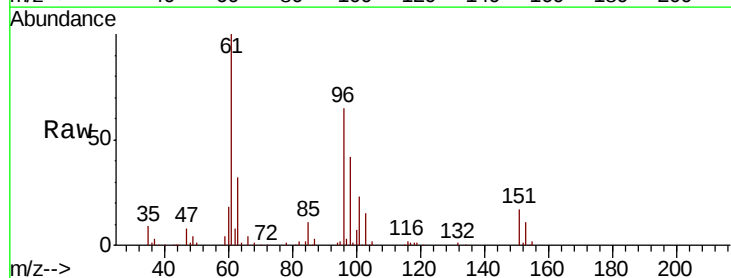
apatel
 12/7/2018 12:20:10 PM

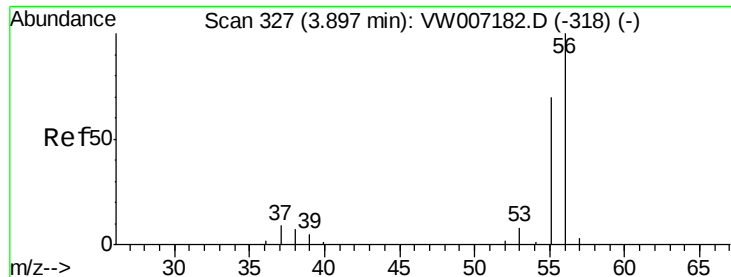


#12

1,1-Dichloroethene
 Concen: 47.490 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW007304.D
 Acq: 07 Dec 2018 02:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.6	124.1	186.1
98	64.9	48.6	72.8





#13

Acrolein

Concen: 236.616 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW007304.D

Acq: 07 Dec 2018 02:22

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050EC

Tot Ion: 56 Resp: 15811

Ion Ratio Lower Upper

56 100

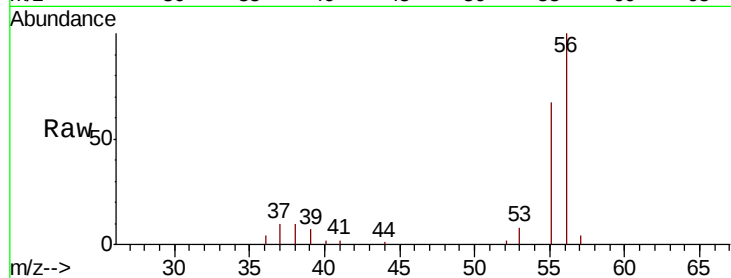
55 69.8 56.9 85.3

Manual Integrations

APPROVED

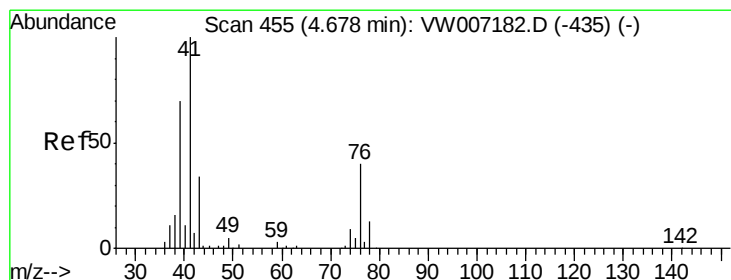
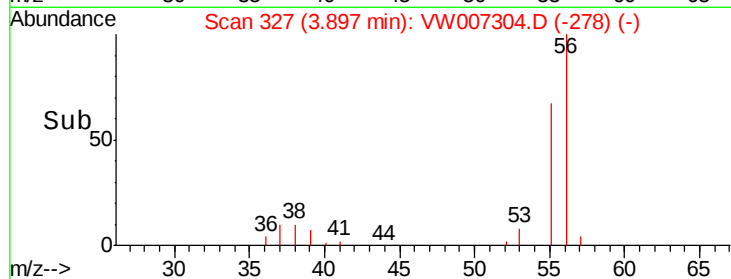
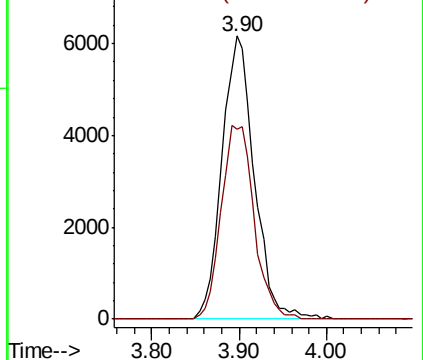
apatel

12/7/2018 12:20:10 PM



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 48.434 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW007304.D

Acq: 07 Dec 2018 02:22

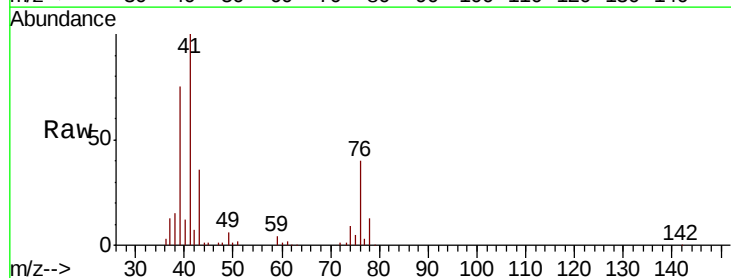
Tgt Ion: 41 Resp: 76139

Ion Ratio Lower Upper

41 100

39 72.6 55.9 83.9

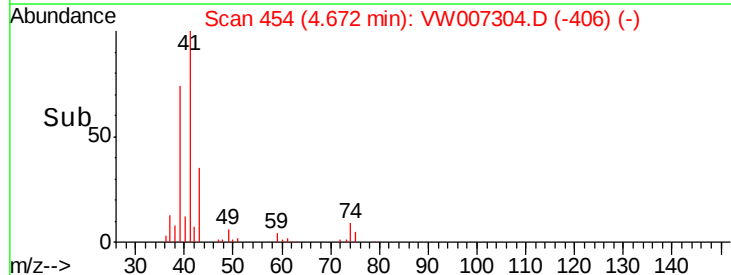
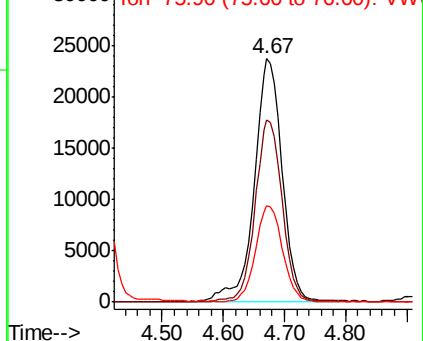
76 38.4 30.8 46.2

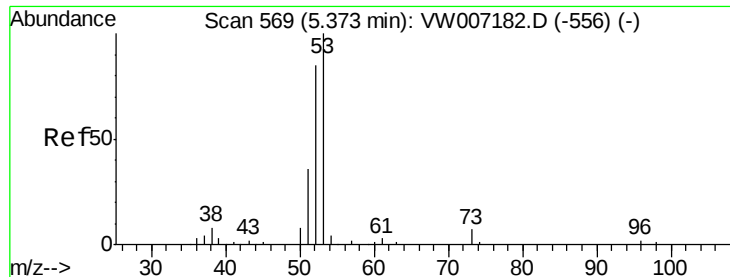


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 269.471 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW007304.D

Acq: 07 Dec 2018 02:22

Instrument :

MSVOA_W

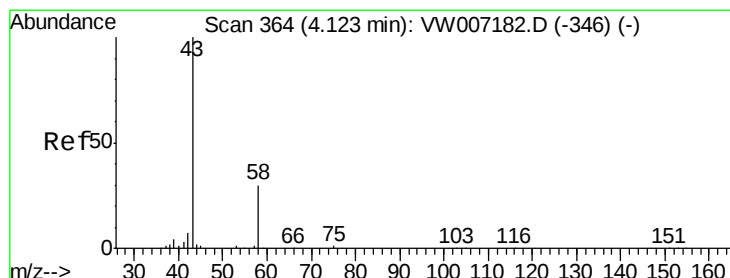
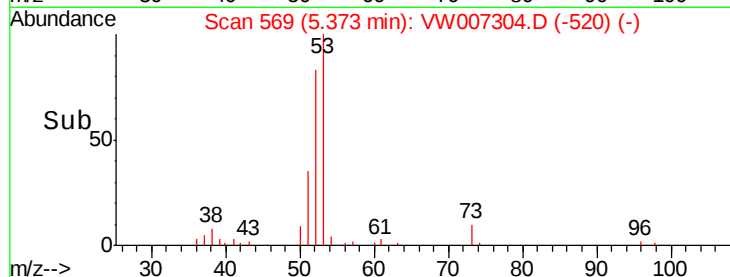
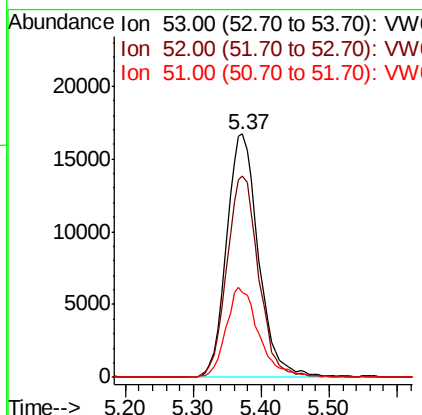
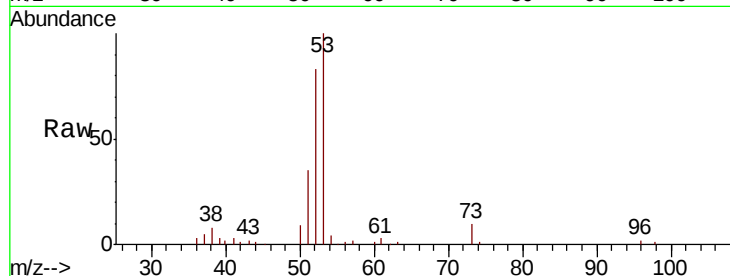
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	54398
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.1	99.1
51	37.9	30.3	45.5

Manual Integrations
APPROVED

apatel
12/7/2018 12:20:10 PM



#16

Acetone

Concen: 209.660 ug/l

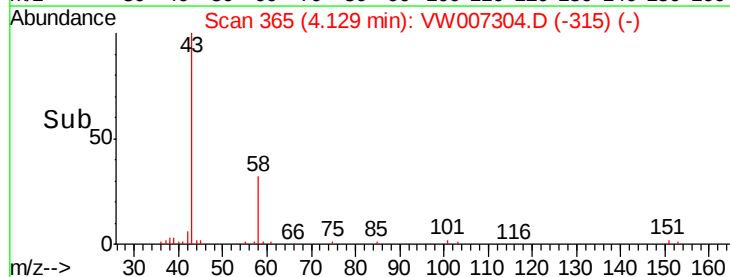
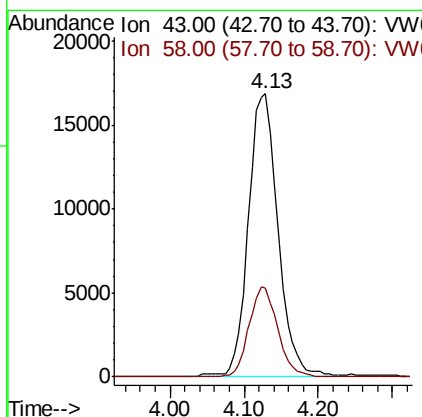
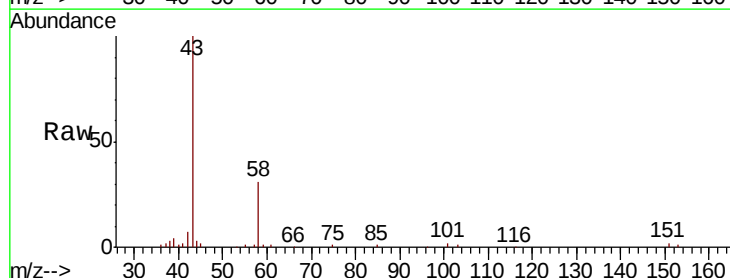
RT: 4.13 min Scan# 365

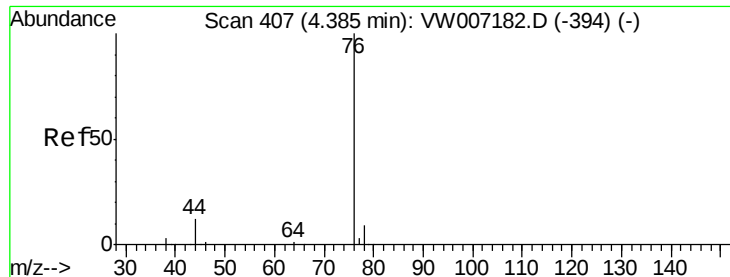
Delta R.T. 0.01 min

Lab File: VW007304.D

Acq: 07 Dec 2018 02:22

Tgt Ion:	43	Resp:	47333
Ion	Ratio	Lower	Upper
43	100		
58	31.3	23.8	35.8





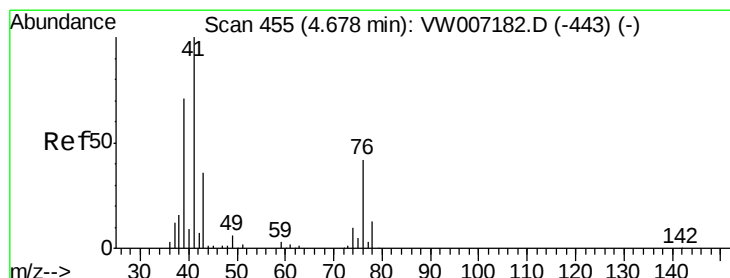
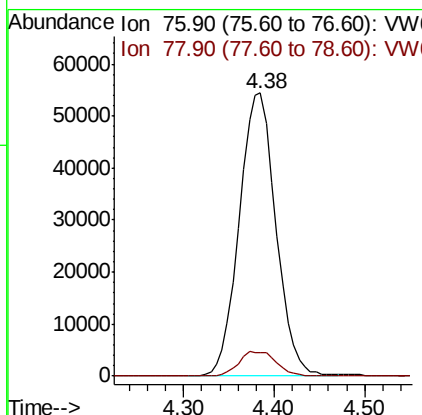
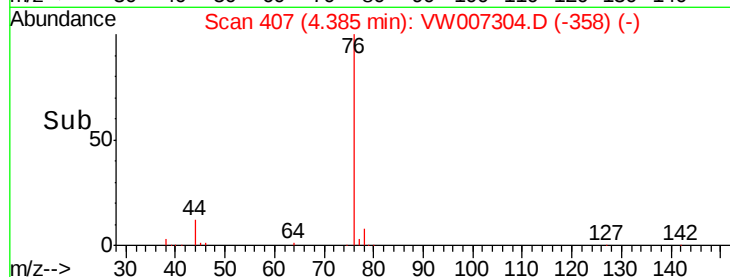
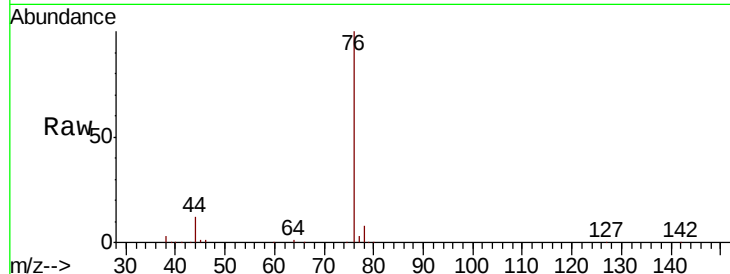
#17
Carbon Disulfide
Concen: 47.234 ug/l
RT: 4.38 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	76	Resp	152693
Ion Ratio	Lower	Upper	
76	100		
78	8.2	7.2	10.8

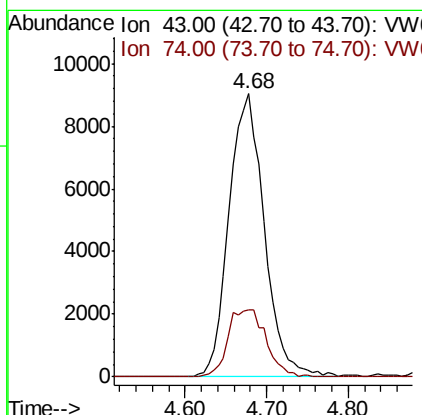
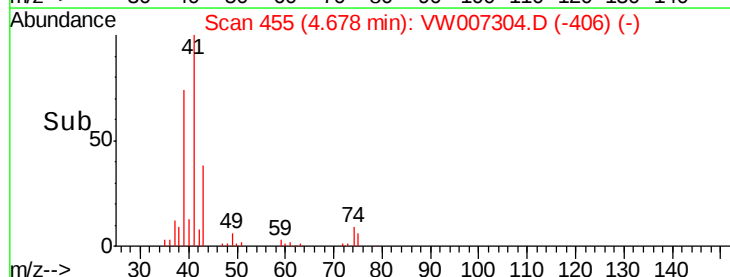
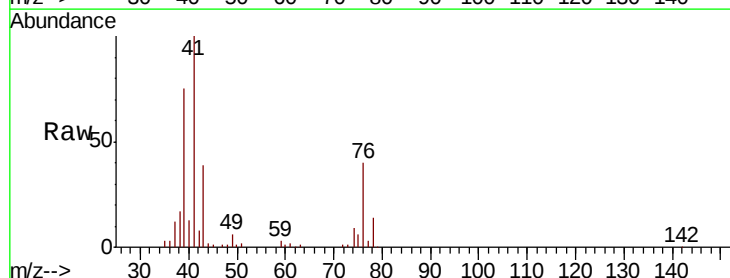
Manual Integrations
APPROVED

apatel
12/7/2018 12:20:10 PM



#18
Methyl Acetate
Concen: 52.594 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Tgt Ion	43	Resp	27103
Ion Ratio	Lower	Upper	
43	100		
74	25.5	20.1	30.1





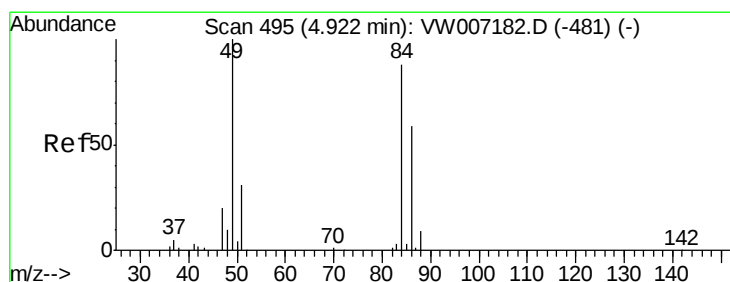
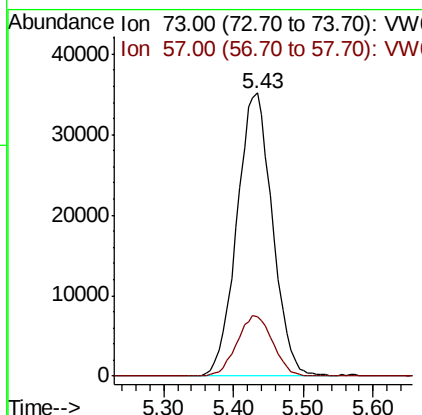
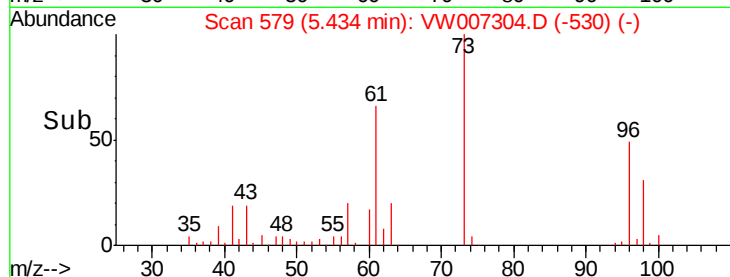
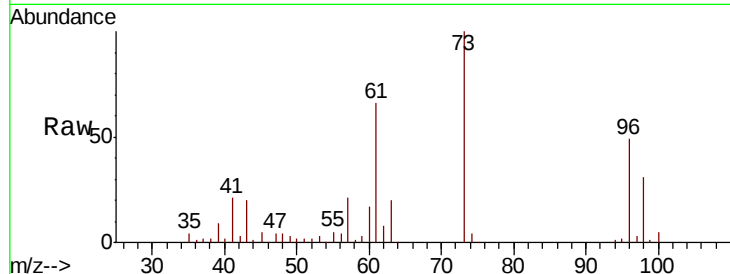
#19
Methvl tert-butvl Ether
Concen: 53.635 ug/l
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 123845
Ion Ratio Lower Upper
73 100
57 21.1 16.6 25.0

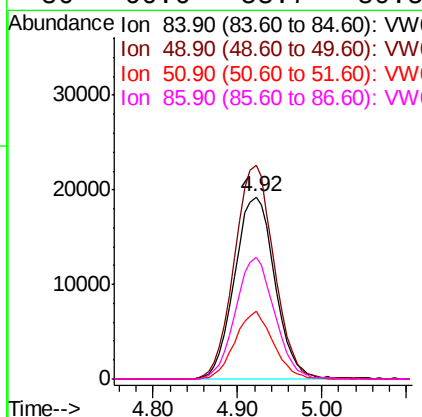
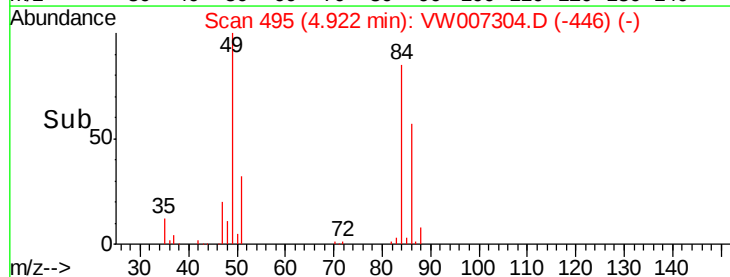
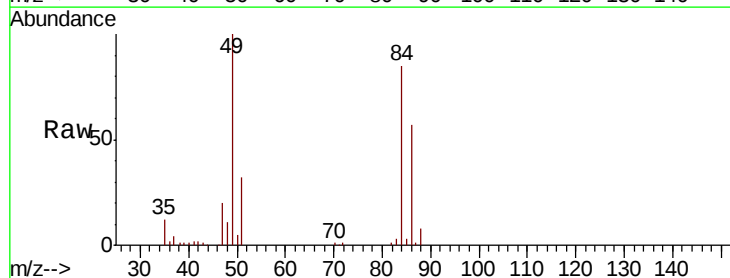
Manual Integrations
APPROVED

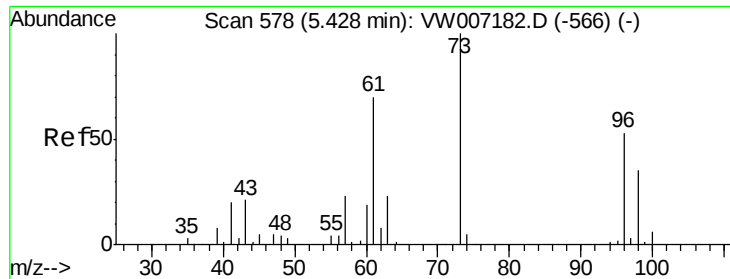
apatel
12/7/2018 12:20:10 PM



#20
Methylene Chloride
Concen: 55.682 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Tgt Ion: 84 Resp: 62632
Ion Ratio Lower Upper
84 100
49 117.4 90.6 135.8
51 37.4 27.6 41.4
86 66.6 53.7 80.5





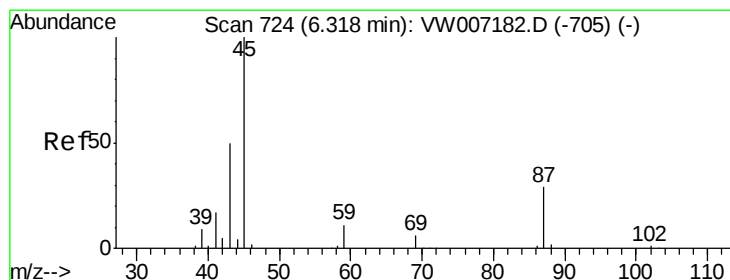
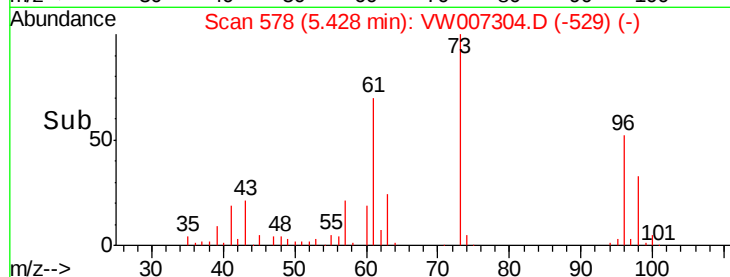
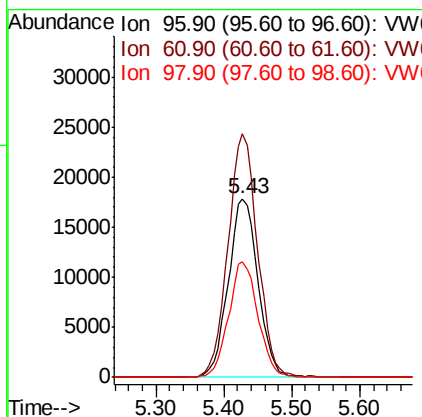
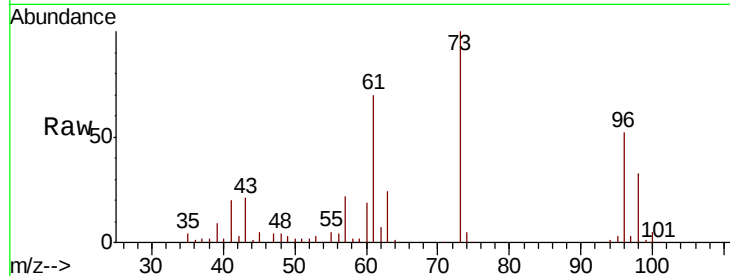
#21
trans-1,2-Dichloroethene
Concen: 49.534 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.1	105.5	158.3
98	64.3	52.6	79.0

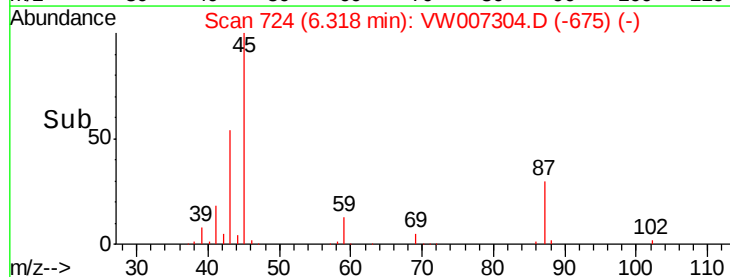
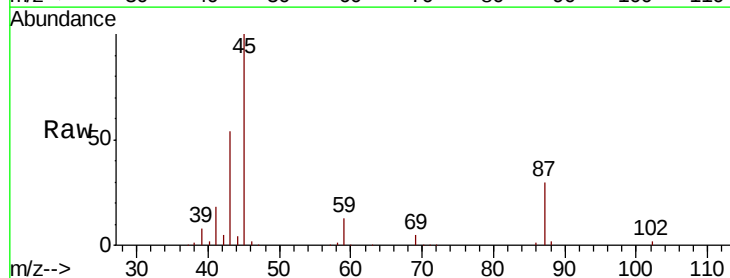
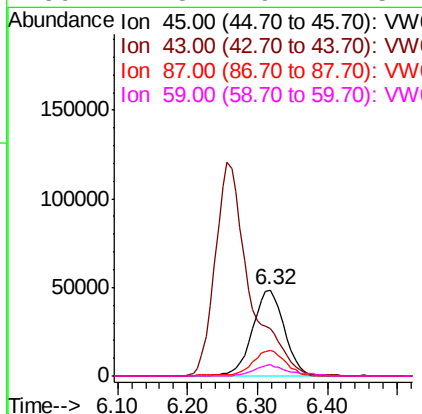
Manual Integrations
APPROVED

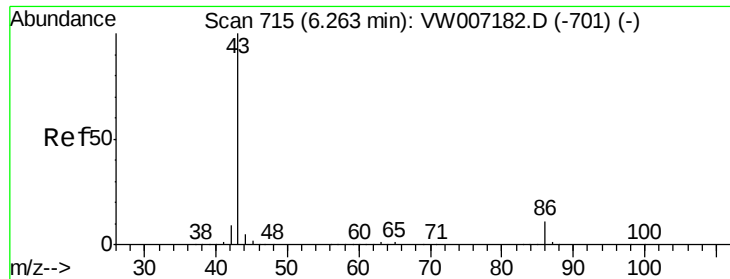
apatel
12/7/2018 12:20:10 PM



#22
Diisopropyl ether
Concen: 54.421 ug/l
RT: 6.32 min Scan# 724
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.5	40.8	61.2
87	30.3	24.0	36.0
59	12.8	9.1	13.7





#23

Vinyl Acetate

Concen: 266.455 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW007304.D

Acq: 07 Dec 2018 02:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 410291

Ion Ratio Lower Upper

43 100

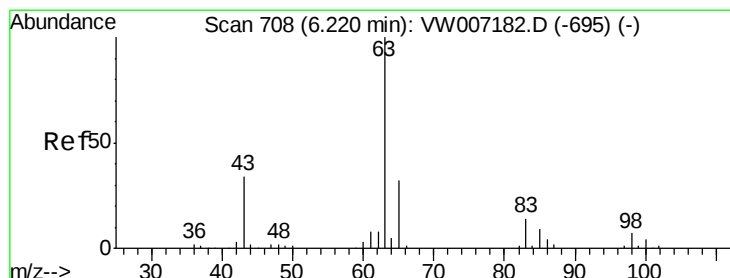
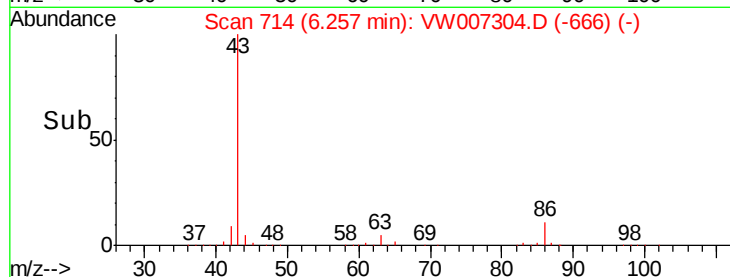
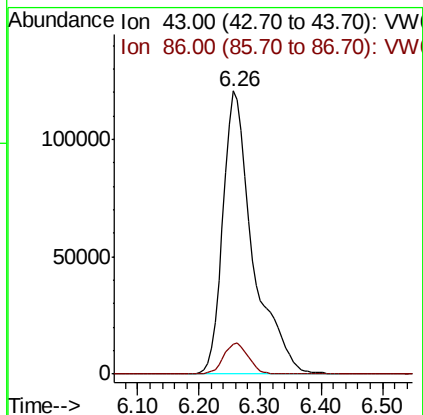
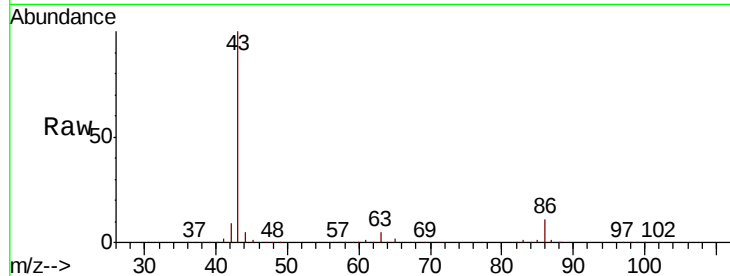
86 10.7 9.0 13.6

Manual Integrations

APPROVED

apatel

12/7/2018 12:20:10 PM



#24

1,1-Dichloroethane

Concen: 51.527 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW007304.D

Acq: 07 Dec 2018 02:22

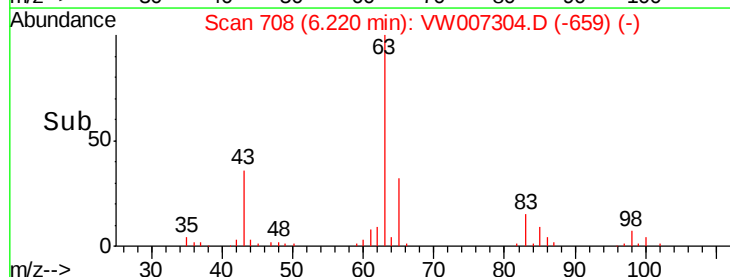
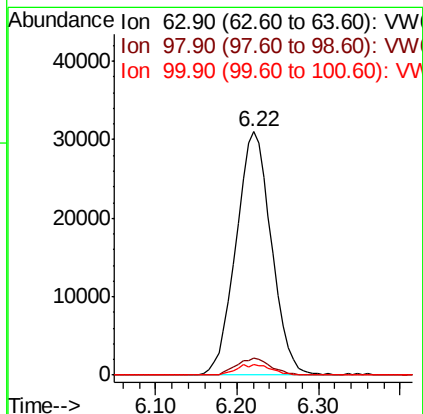
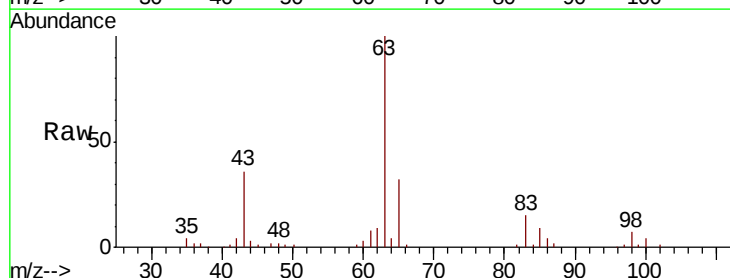
Tgt Ion: 63 Resp: 93199

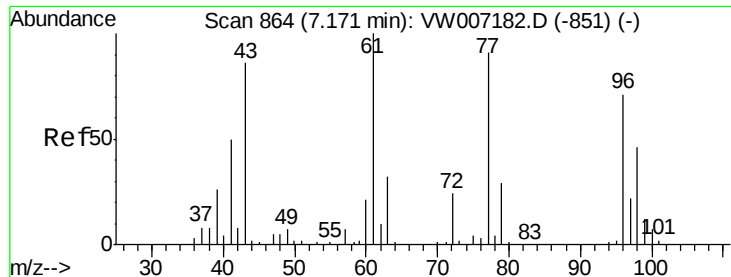
Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

100 4.2 2.1 6.2





#25

2-Butanone

Concen: 247.181 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007304.D

Acq: 07 Dec 2018 02:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 64688

Ion Ratio Lower Upper

43 100

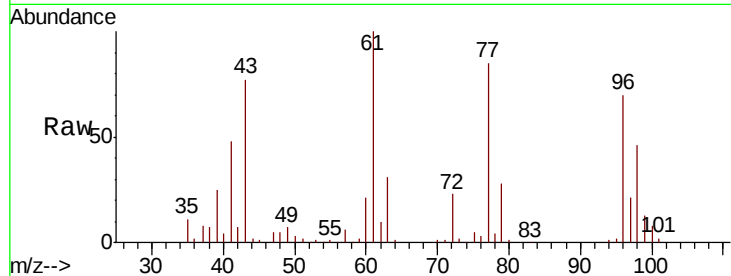
72 30.0 22.8 34.2

Manual Integrations

APPROVED

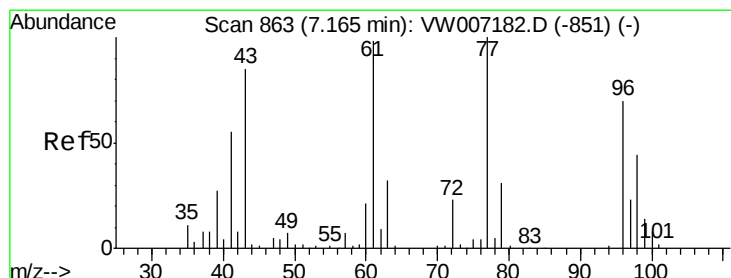
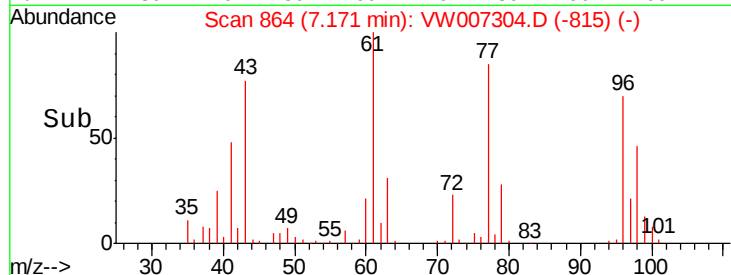
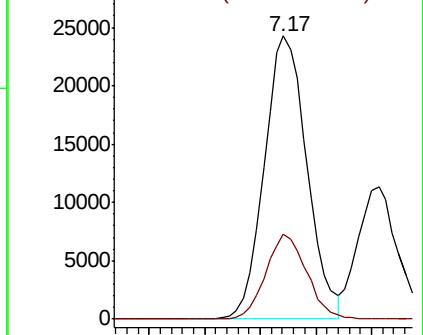
apatel

12/7/2018 12:20:10 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 45.885 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW007304.D

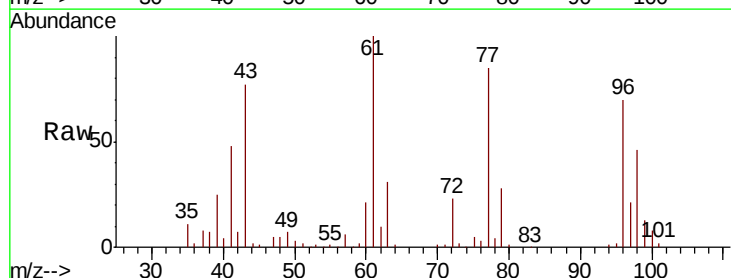
Acq: 07 Dec 2018 02:22

Tgt Ion: 77 Resp: 79755

Ion Ratio Lower Upper

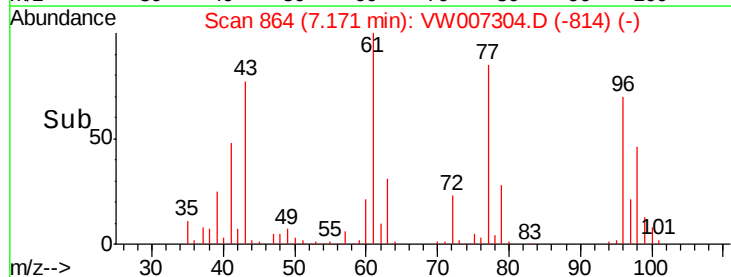
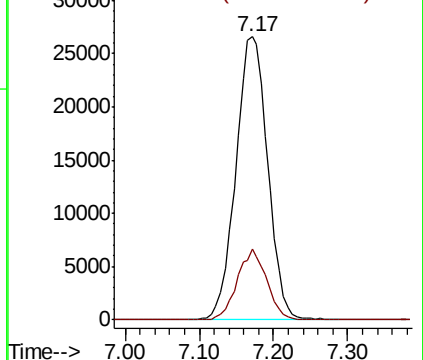
77 100

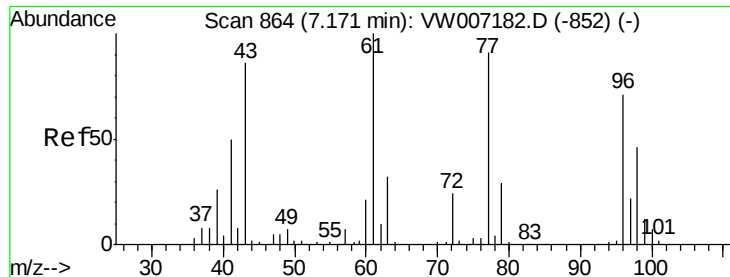
97 23.0 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#27

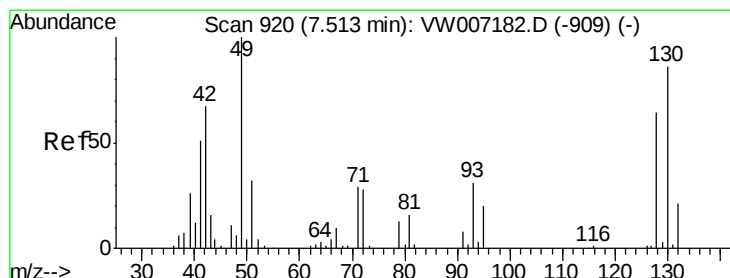
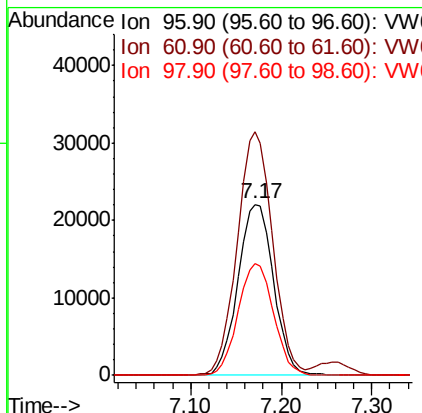
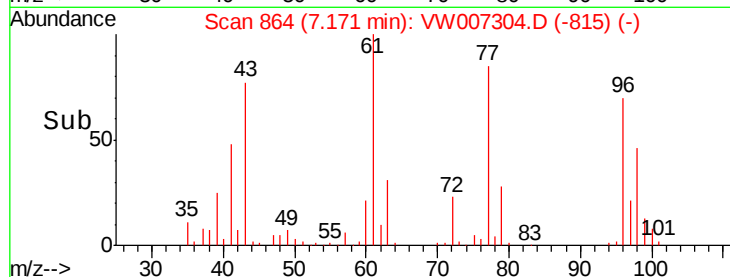
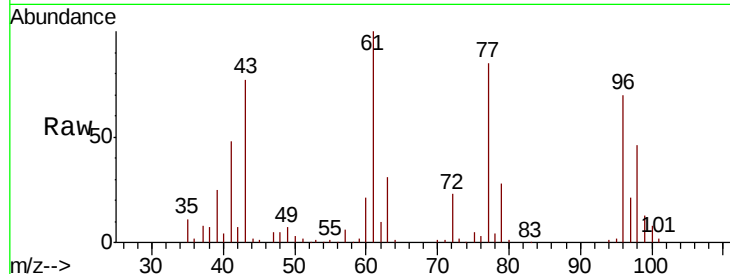
cis-1,2-Dichloroethene
Concen: 51.272 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.5	0.0	282.4
98	65.2	0.0	129.8

Manual Integrations
APPROVED

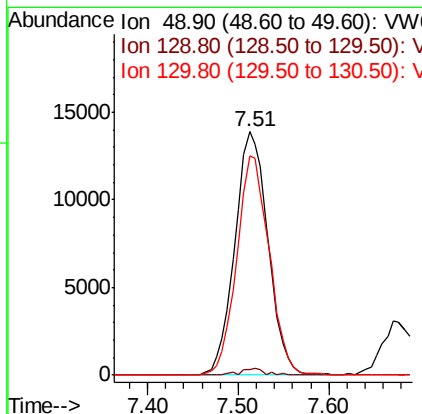
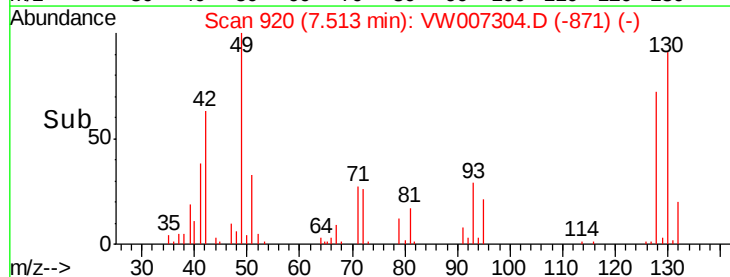
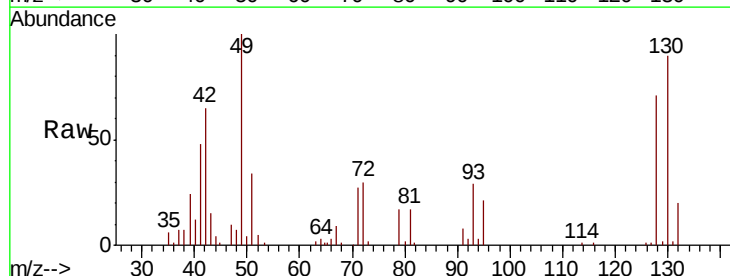
apatel
12/7/2018 12:20:10 PM

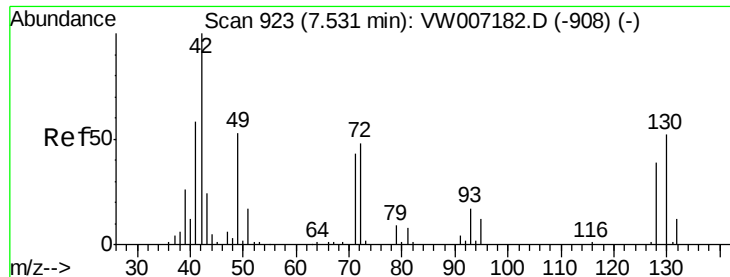


#28

Bromochloromethane
Concen: 54.139 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	87.9	70.3	105.5





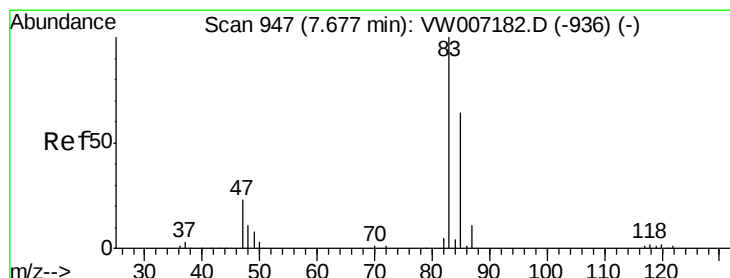
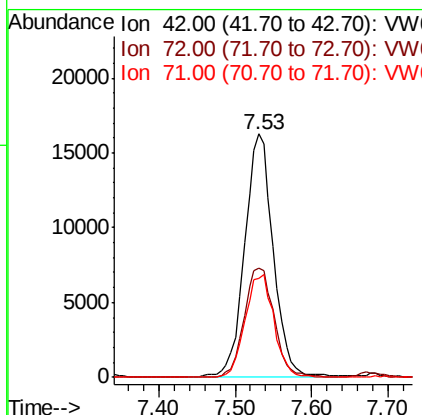
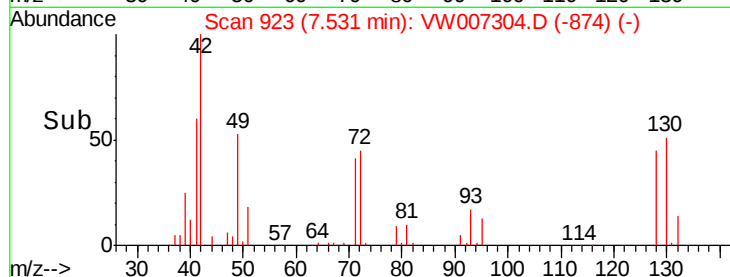
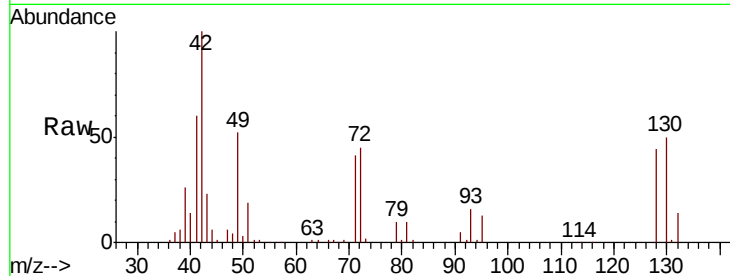
#29
Tetrahydrofuran
Concen: 262.001 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	36.6	55.0
71	42.5	34.8	52.2

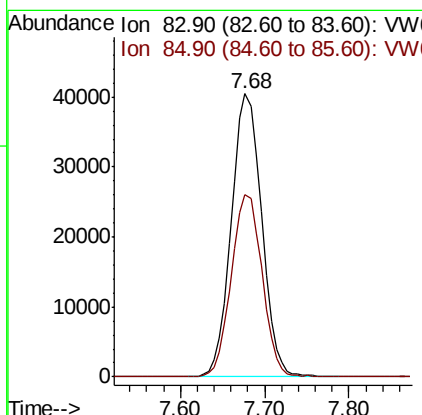
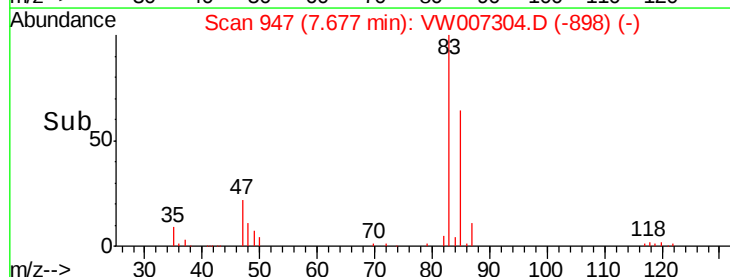
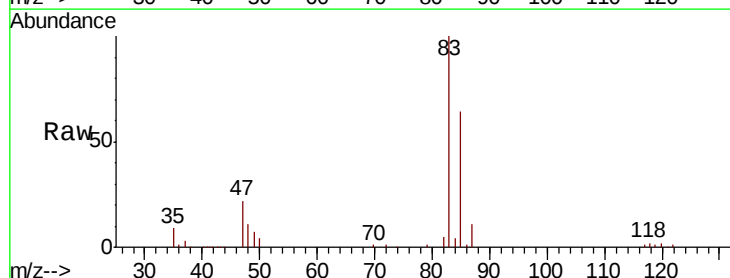
Manual Integrations
APPROVED

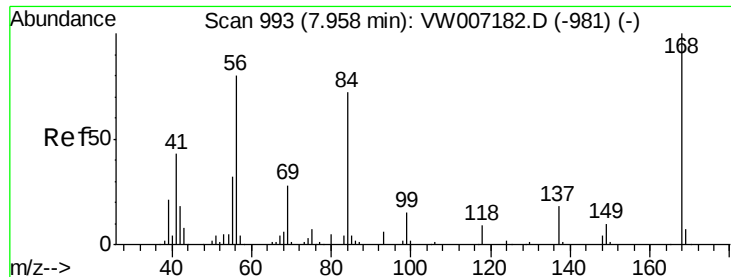
apatel
12/7/2018 12:20:10 PM



#30
Chloroform
Concen: 52.518 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.5	77.3





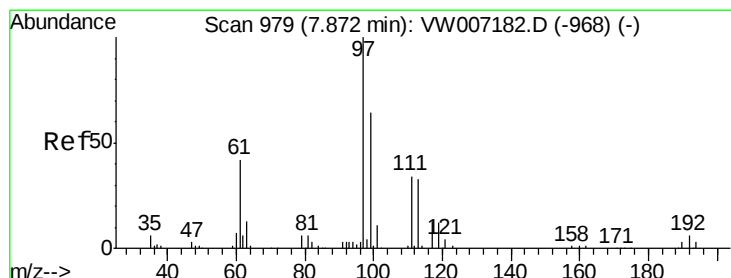
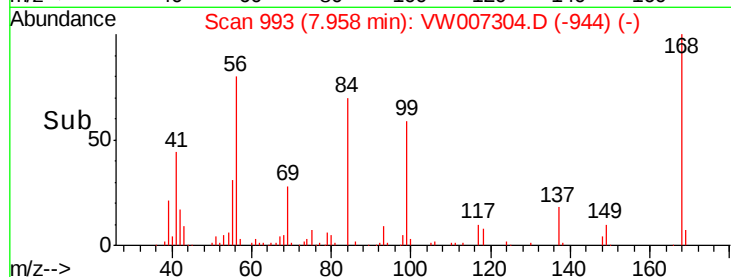
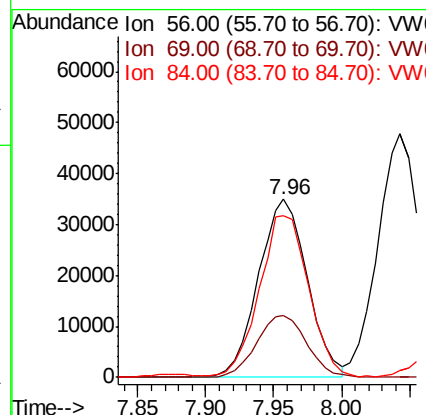
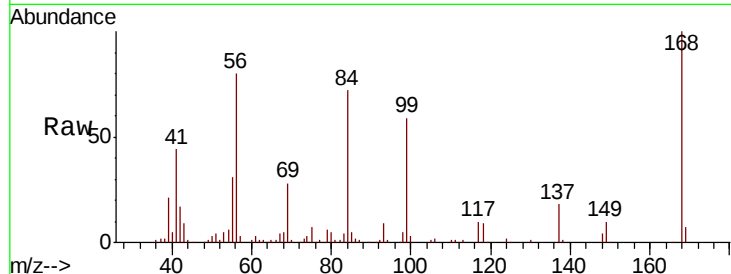
#31
Cyclohexane
Concen: 46.314 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	69	84
Resp:	87647		
Ion Ratio	100	34.8	89.5
Lower		28.2	72.1
Upper		42.2	108.1

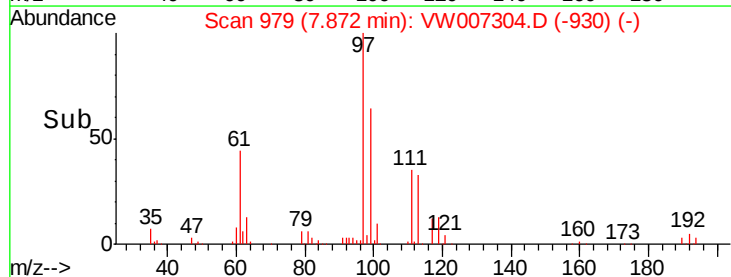
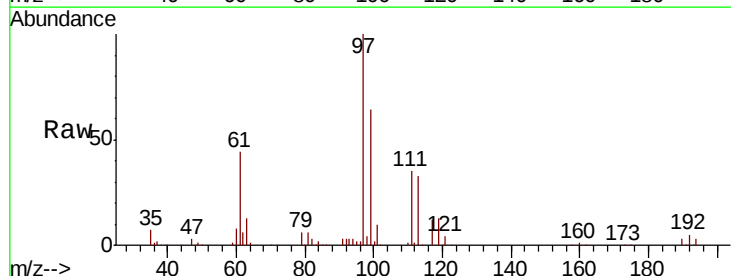
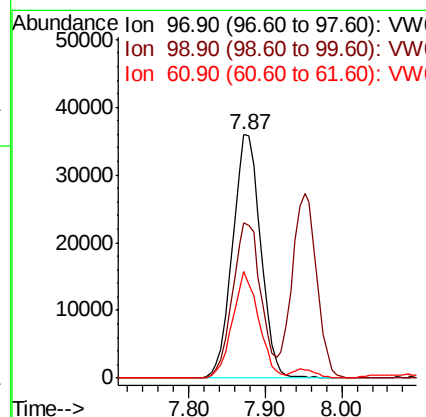
Manual Integrations
APPROVED

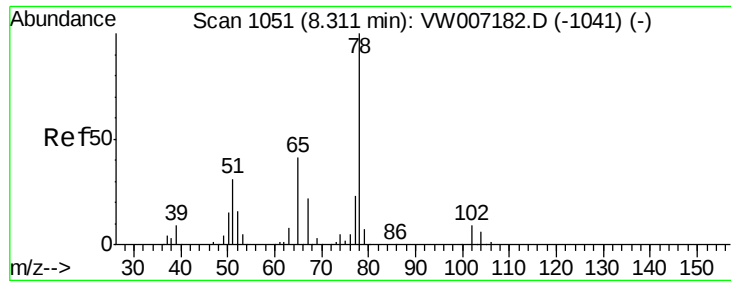
apatel
12/7/2018 12:20:10 PM



#32
1,1,1-Trichloroethane
Concen: 51.549 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Tgt Ion	97	99	61
Resp:	91190		
Ion Ratio	100	64.5	41.2
Lower		51.3	33.2
Upper		76.9	49.8





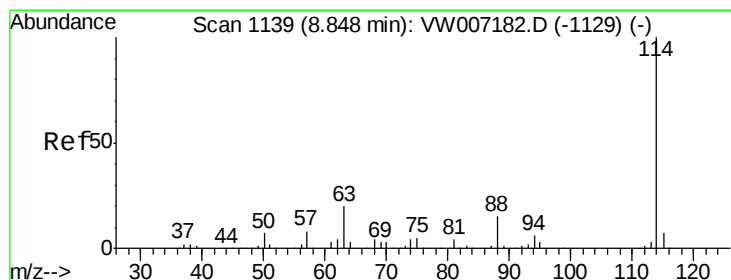
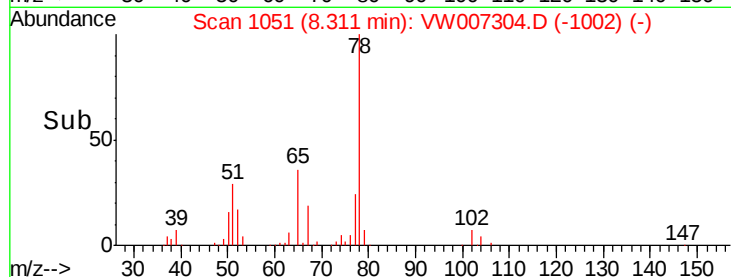
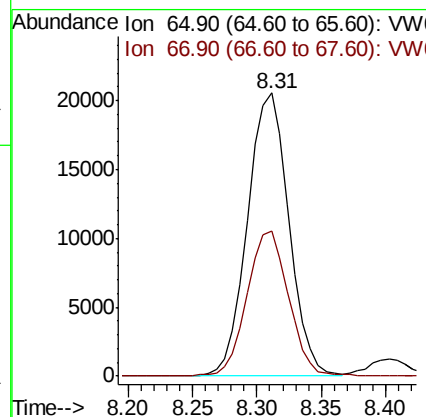
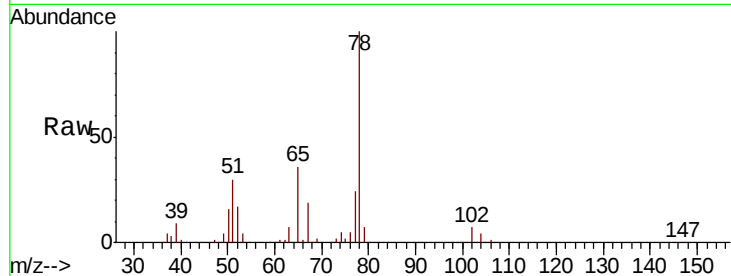
#33
 1,2-Dichloroethane-d4
 Concen: 48.002 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW007304.D
 Acq: 07 Dec 2018 02:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	106.4

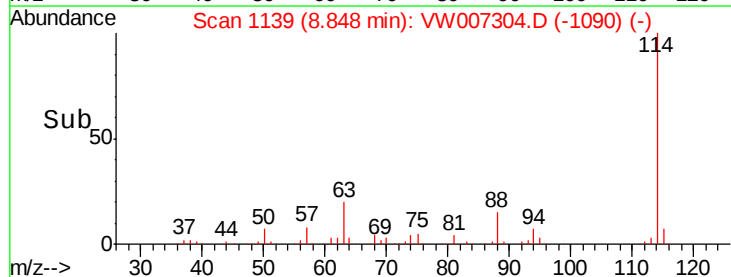
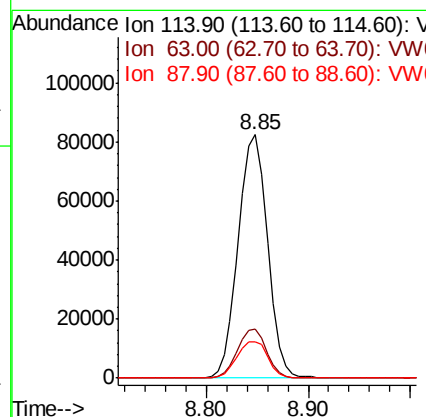
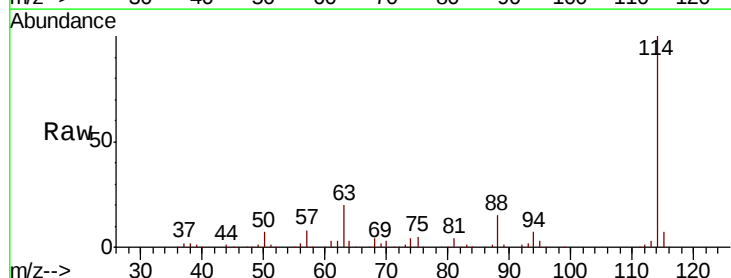
Manual Integrations
 APPROVED

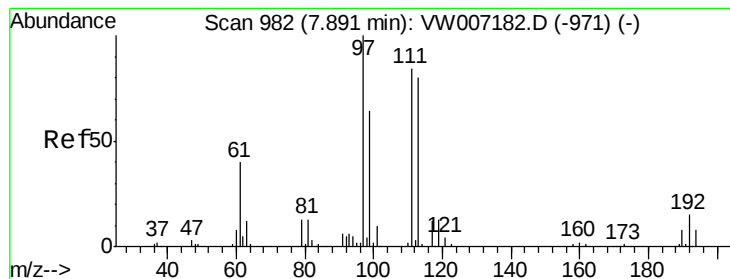
apatel
 12/7/2018 12:20:10 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007304.D
 Acq: 07 Dec 2018 02:22

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.2
88	15.0	0.0	30.0





#35

Dibromofluoromethane

Concen: 47.100 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW007304.D

Acq: 07 Dec 2018 02:22

Instrument :

MSVOA_W

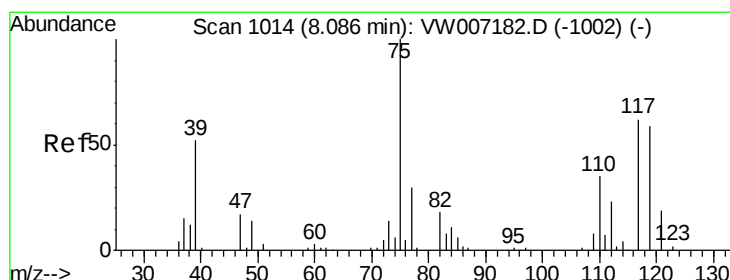
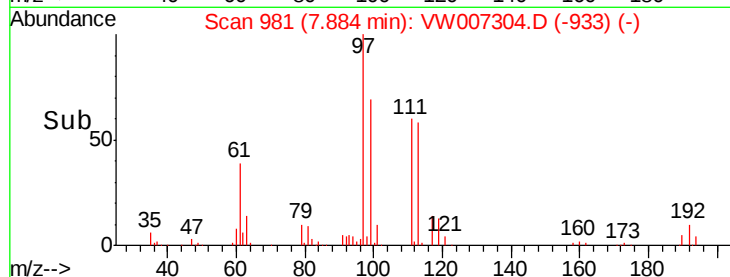
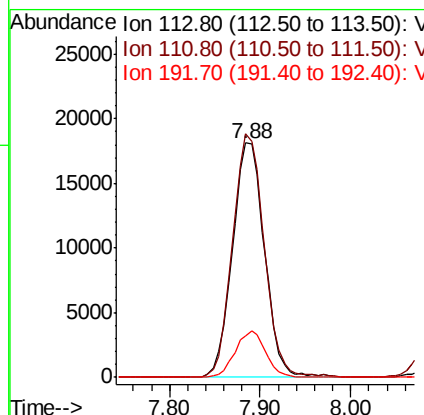
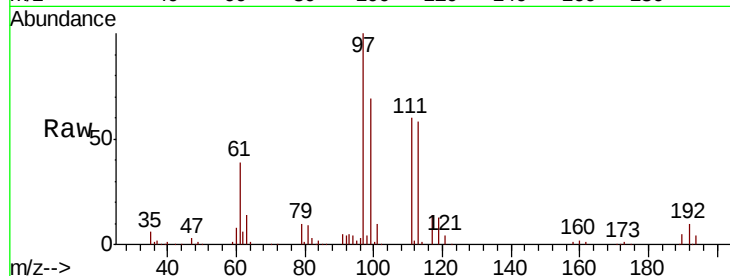
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	44467
Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.4
192	18.6	14.4	21.6

Manual Integrations
APPROVED

apatel
12/7/2018 12:20:10 PM



#36

1,1-Dichloropropene

Concen: 49.565 ug/l

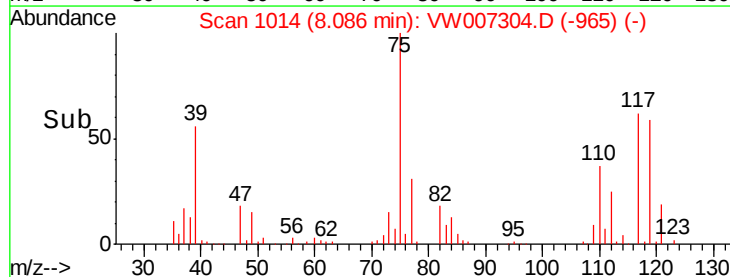
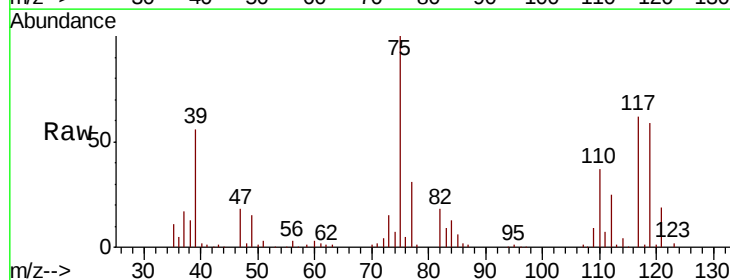
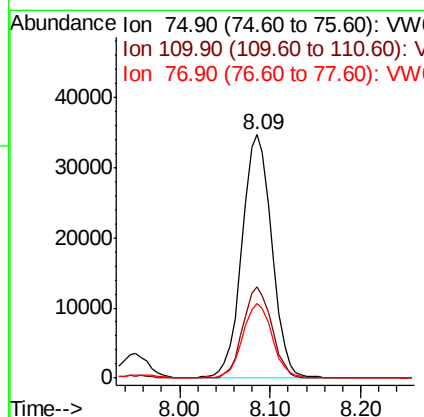
RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW007304.D

Acq: 07 Dec 2018 02:22

Tgt Ion:	75	Resp:	79517
Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.3	54.9
77	30.5	24.9	37.3





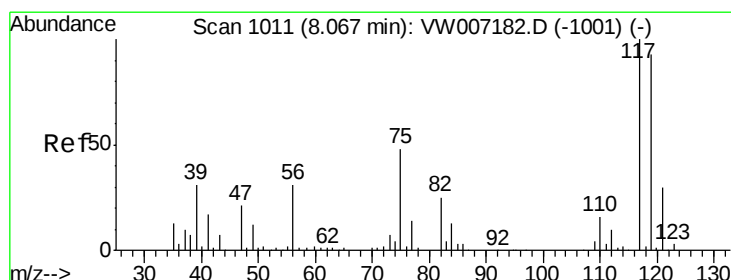
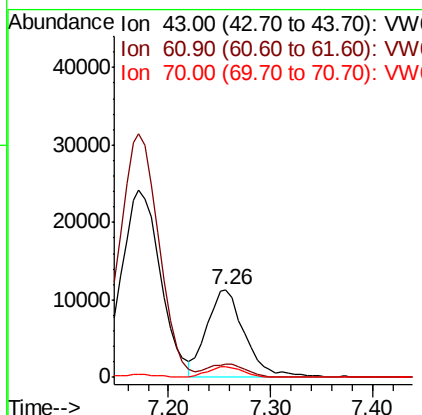
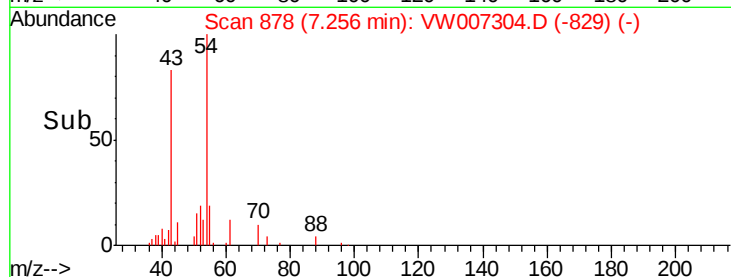
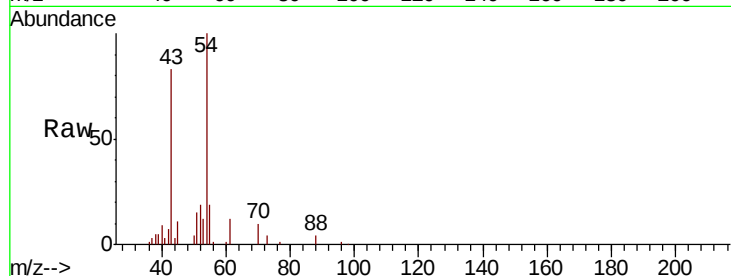
#37
Ethyl Acetate
Concen: 49.695 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	12.1	18.1
70	11.8	9.1	13.7

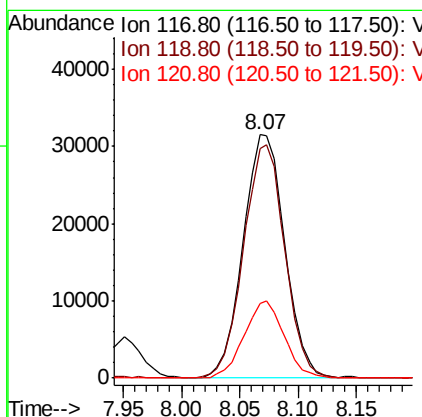
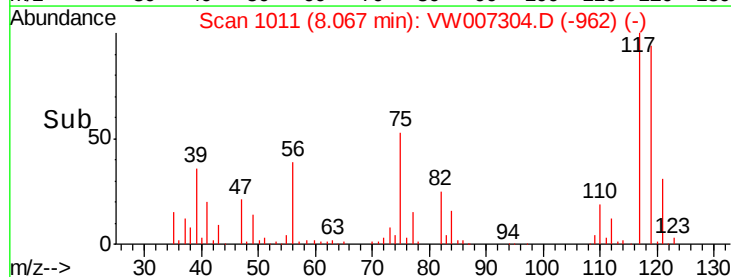
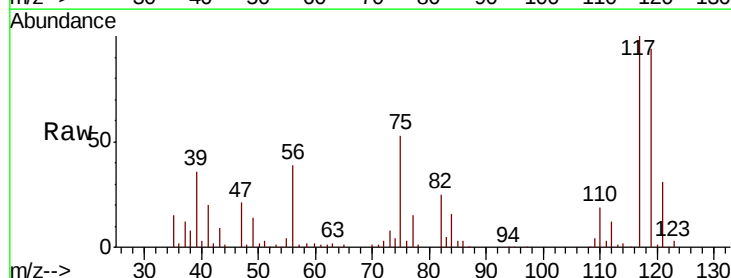
Manual Integrations
APPROVED

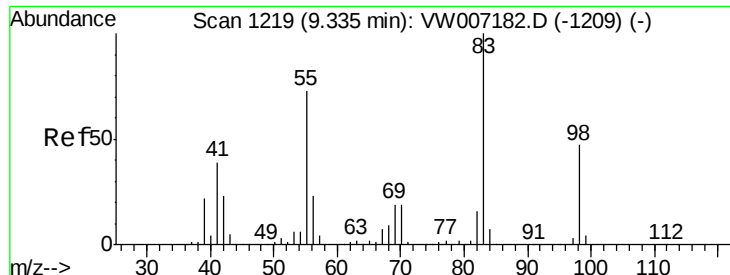
apatel
12/7/2018 12:20:10 PM



#38
Carbon Tetrachloride
Concen: 48.067 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	74.1	111.1
121	30.8	23.9	35.9





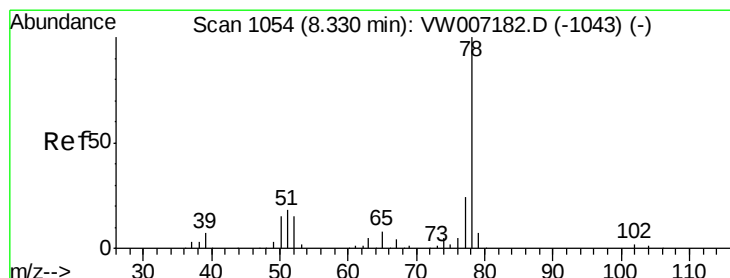
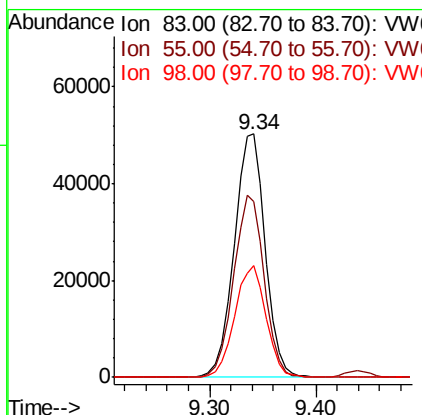
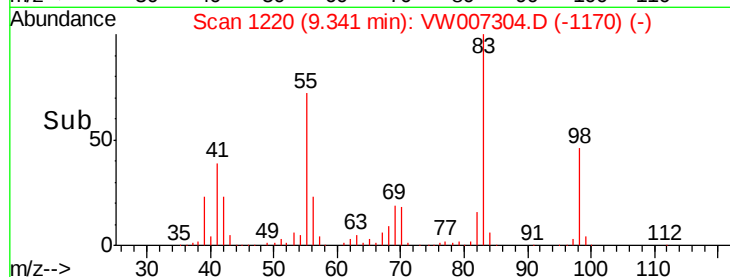
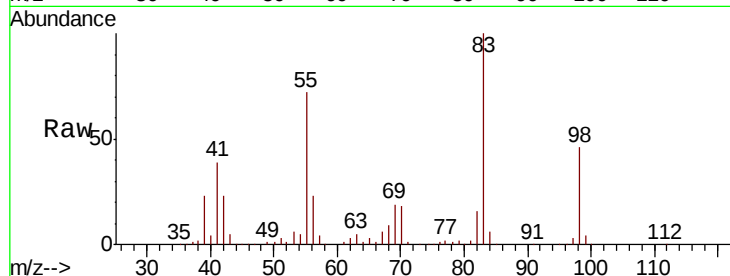
#39
Methvlcvclohexane
Concen: 47.760 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.1	58.1	87.1
98	45.8	37.3	55.9

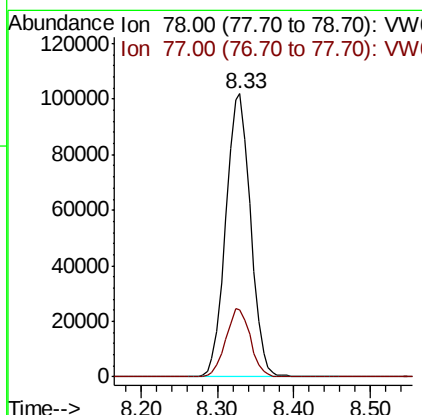
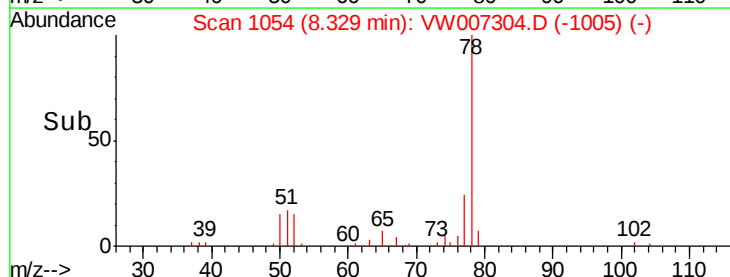
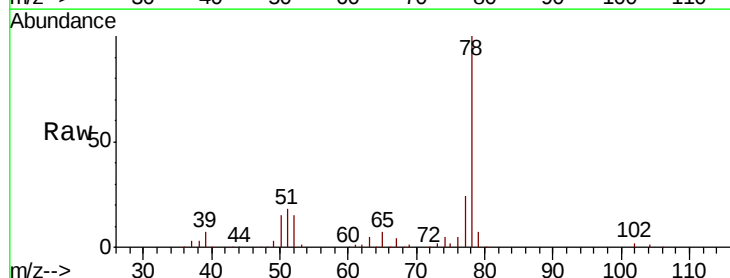
Manual Integrations
APPROVED

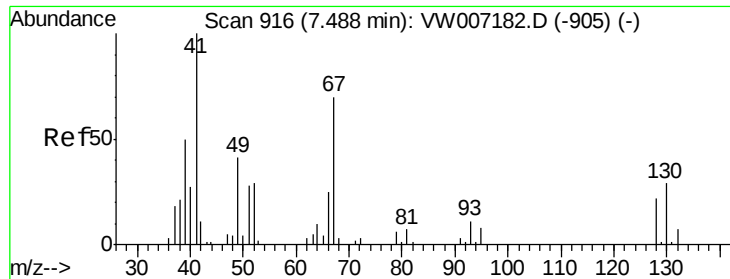
apatel
12/7/2018 12:20:10 PM



#40
Benzene
Concen: 51.829 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.9	28.3





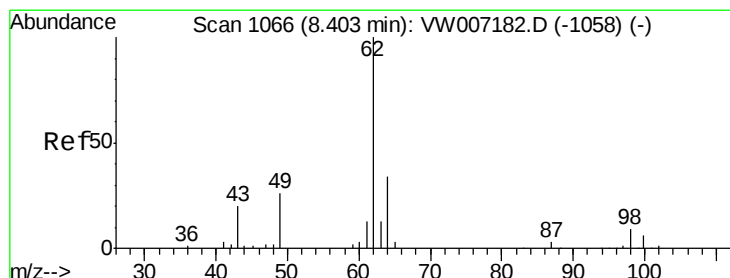
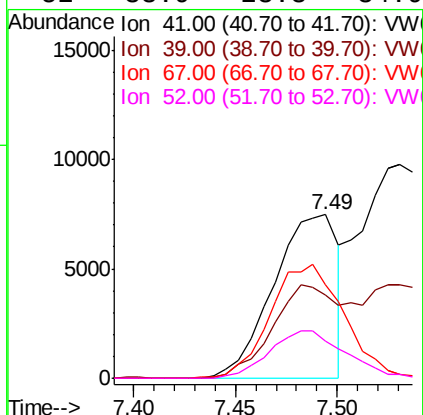
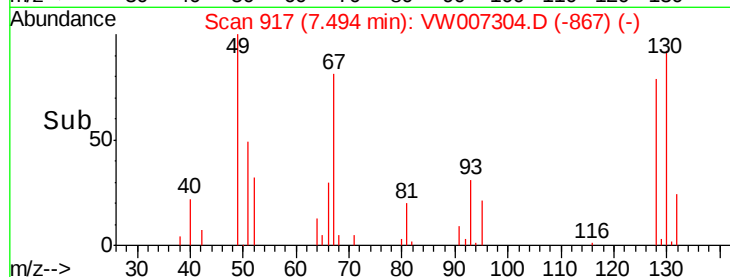
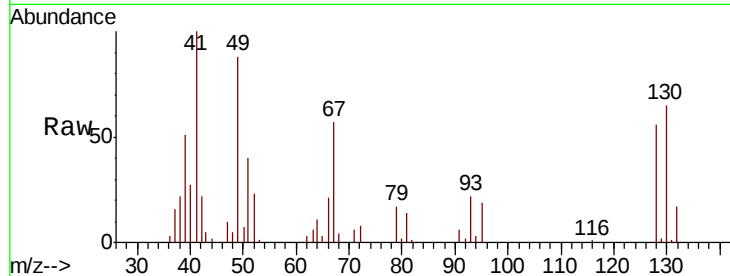
#41
Methacrylonitrile
Concen: 47.354 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion:	41	Resp:	16460
Ion Ratio	Lower	Upper	
41	100		
39	55.6	43.4	65.0
67	79.8	57.4	86.0
52	33.9	23.3	34.9

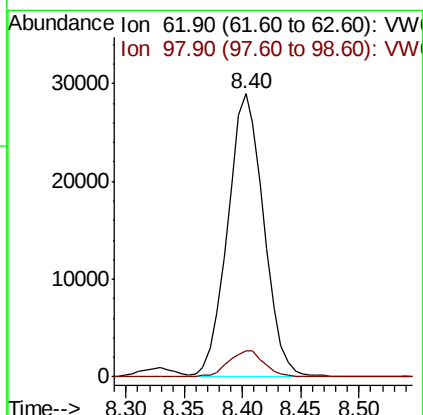
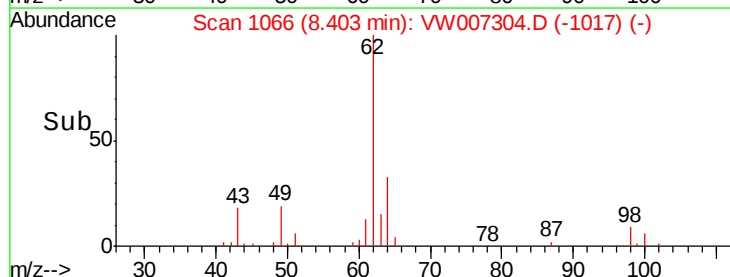
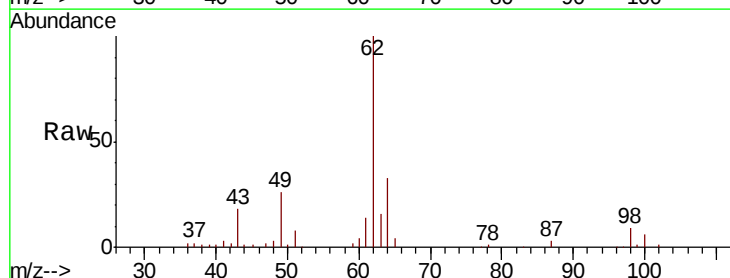
Manual Integrations
APPROVED

apatel
12/7/2018 12:20:10 PM



#42
1,2-Dichloroethane
Concen: 50.571 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Tgt Ion:	62	Resp:	62176
Ion Ratio	Lower	Upper	
62	100		
98	9.3	0.0	17.8





#43

Isopropyl Acetate

Concen: 52.367 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007304.D

Acq: 07 Dec 2018 02:22

Instrument :

MSVOA_W

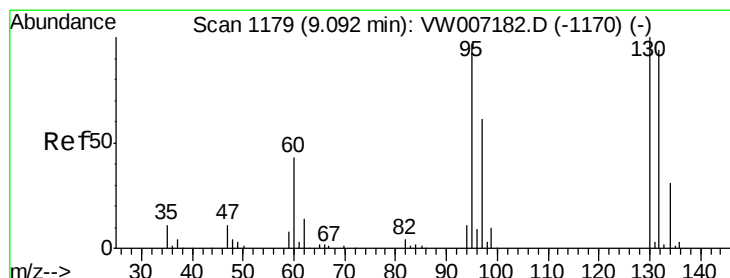
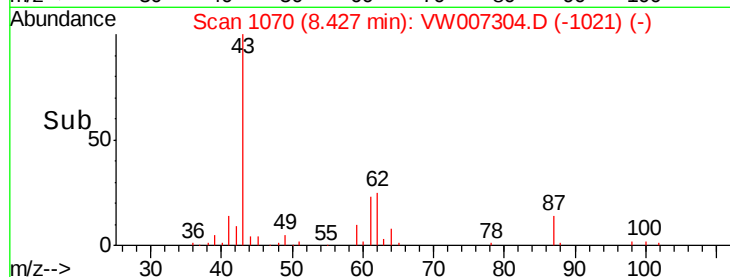
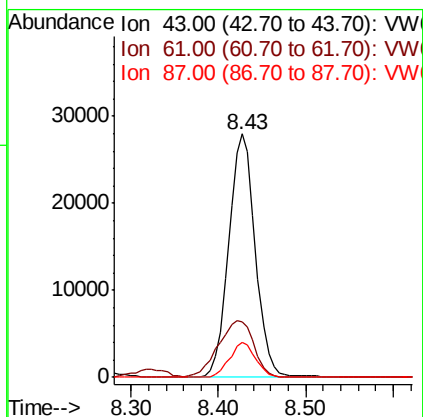
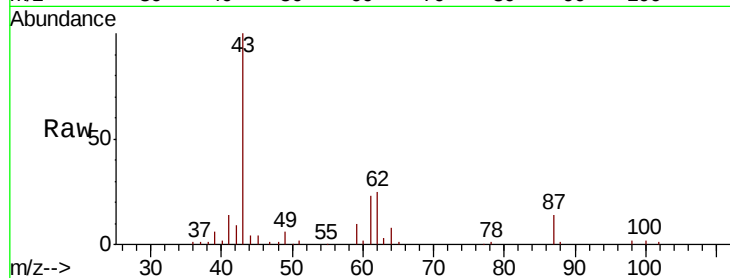
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	59022
Ion	Ratio	Lower	Upper
43	100		
61	31.1	25.4	38.0
87	14.2	11.4	17.0

Manual Integrations
APPROVED

apatel
12/7/2018 12:20:10 PM



#44

Trichloroethene

Concen: 50.957 ug/l

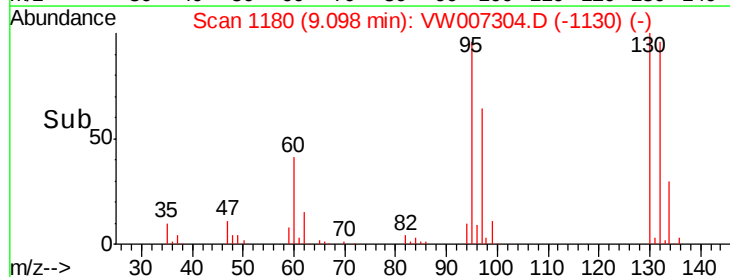
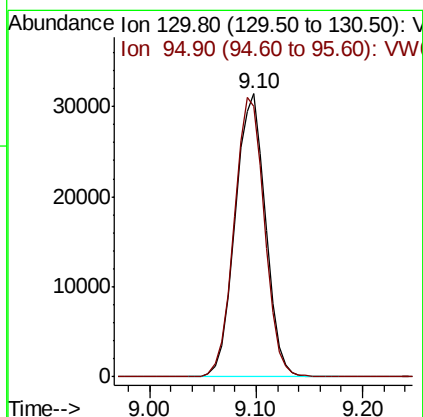
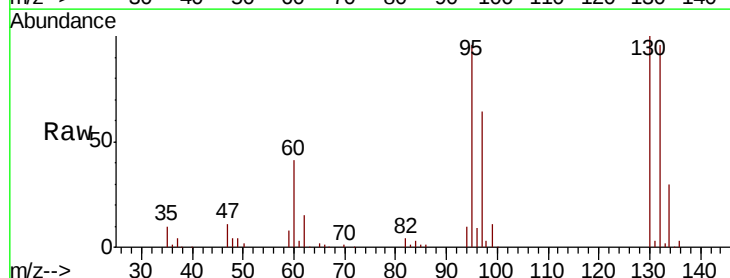
RT: 9.10 min Scan# 1180

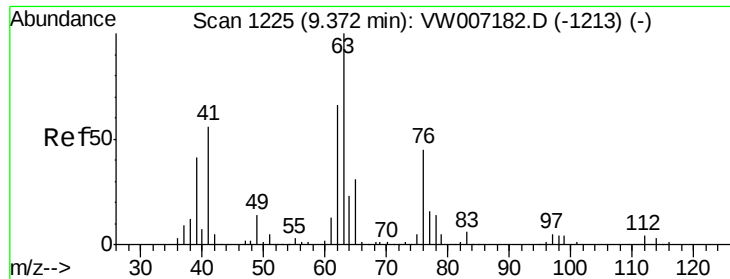
Delta R.T. 0.01 min

Lab File: VW007304.D

Acq: 07 Dec 2018 02:22

Tgt Ion:	130	Resp:	63013
Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	194.0





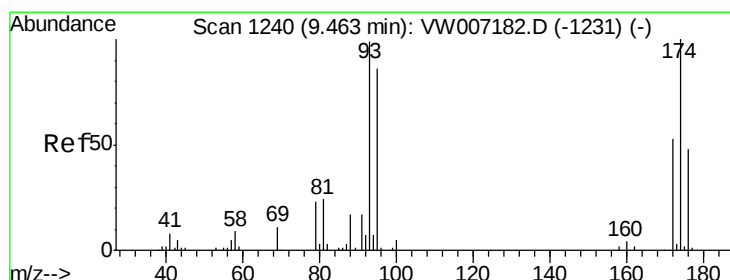
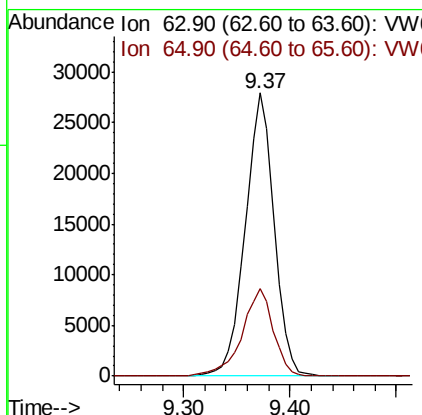
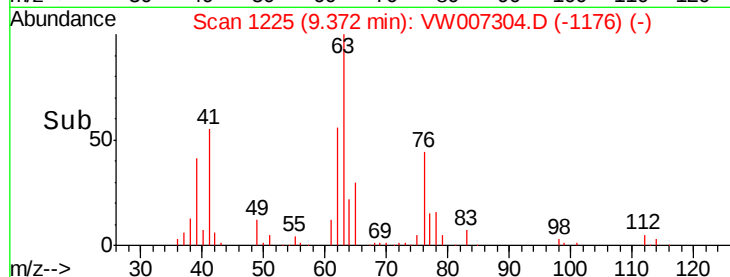
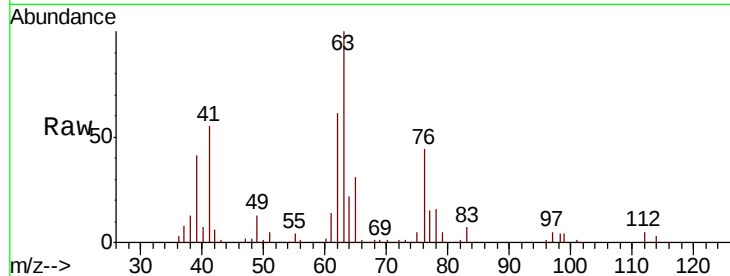
#45
 1,2-Dichloropropane
 Concen: 52.019 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW007304.D
 Acq: 07 Dec 2018 02:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 53254
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.4

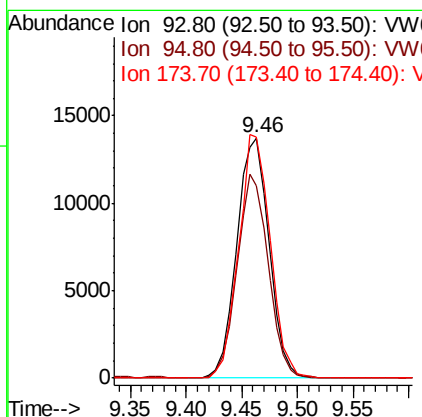
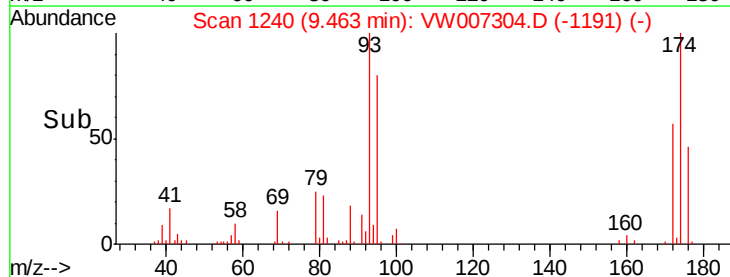
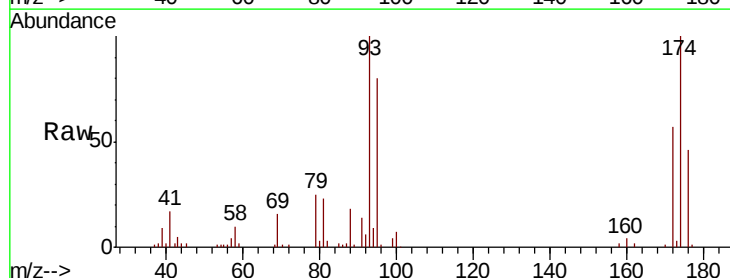
Manual Integrations
 APPROVED

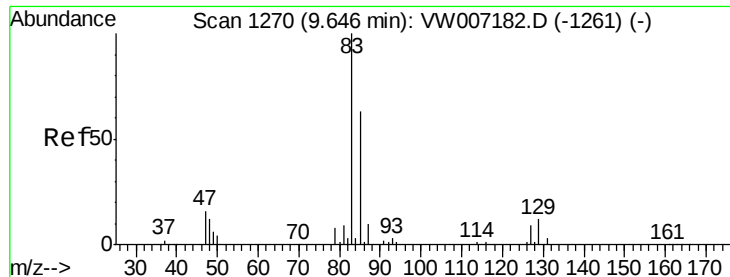
apatel
 12/7/2018 12:20:10 PM



#46
 Dibromomethane
 Concen: 52.026 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW007304.D
 Acq: 07 Dec 2018 02:22

Tgt Ion: 93 Resp: 27676
 Ion Ratio Lower Upper
 93 100
 95 81.7 68.7 103.1
 174 98.9 82.9 124.3





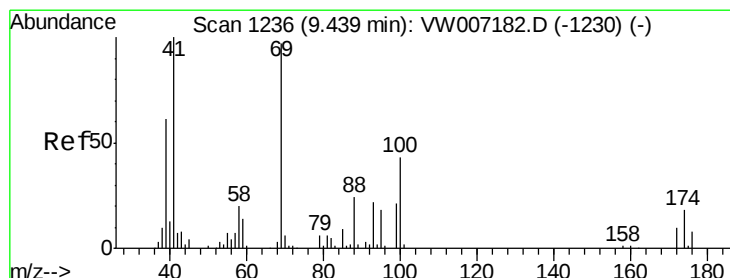
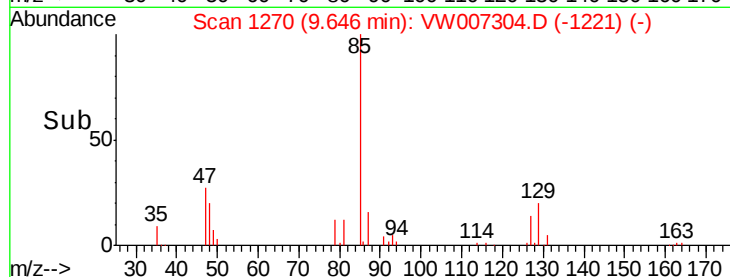
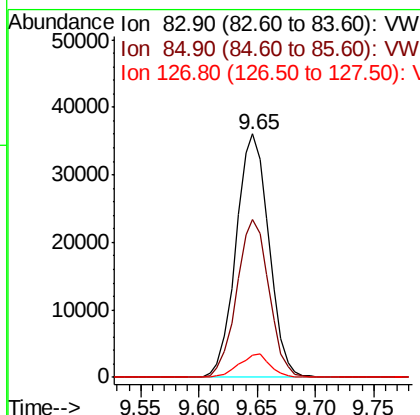
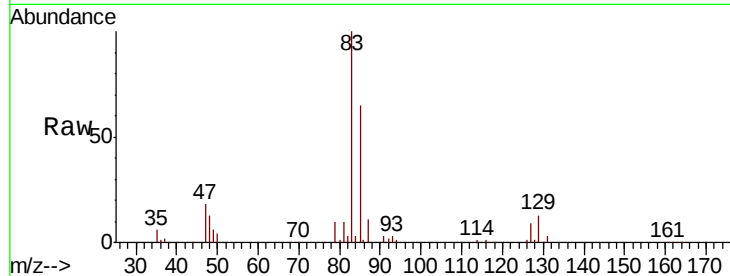
#47
Bromodichloromethane
Concen: 50.557 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.6	76.0
127	8.9	7.3	10.9

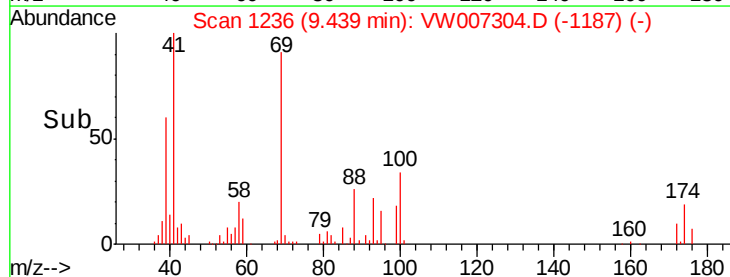
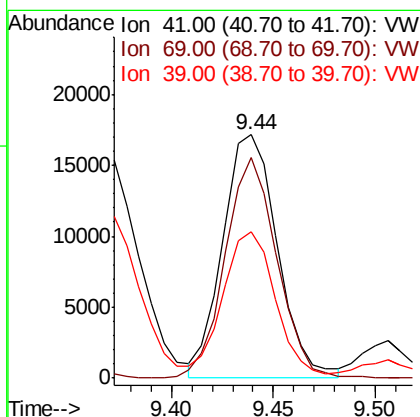
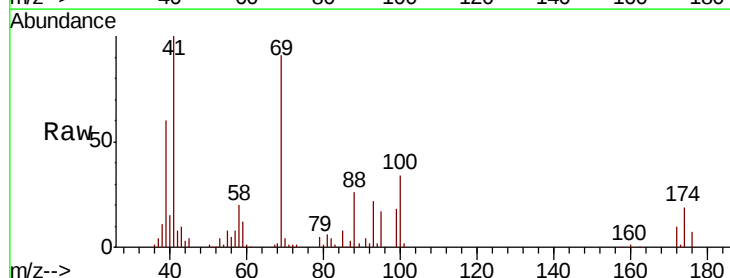
Manual Integrations
APPROVED

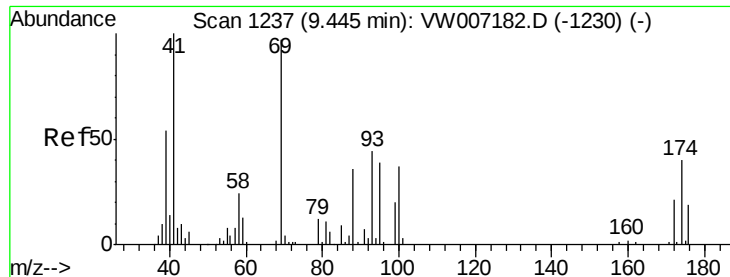
apatel
12/7/2018 12:20:10 PM



#48
Methyl methacrylate
Concen: 54.264 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.8	69.6	104.4
39	55.4	42.4	63.6





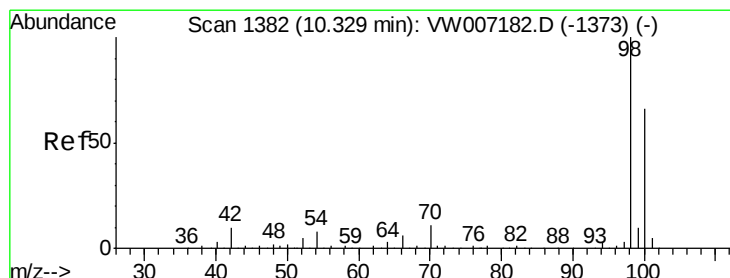
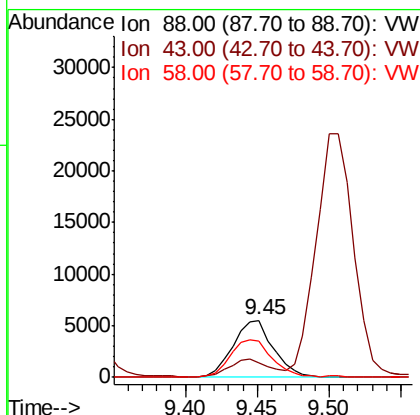
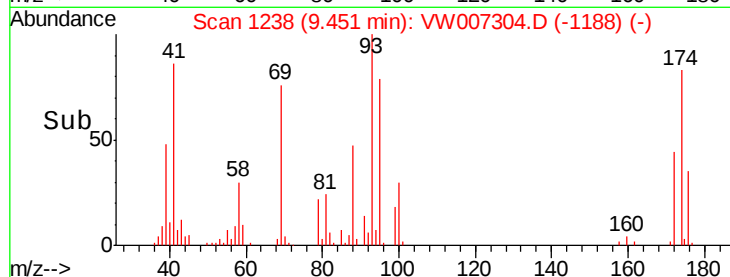
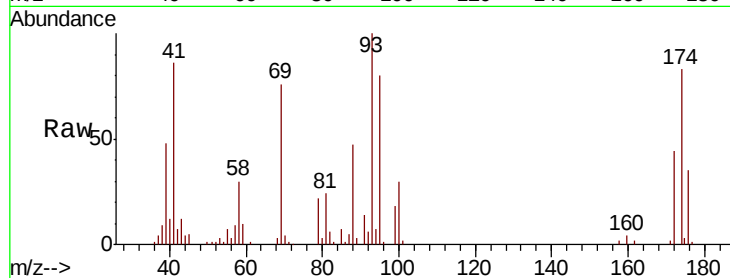
#49
1,4-Dioxane
Concen: 1159.067 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.5	25.8	38.8
58	70.4	58.9	88.3

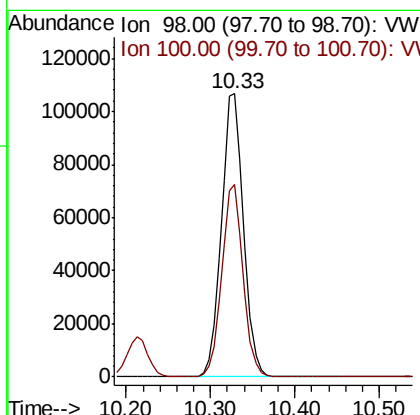
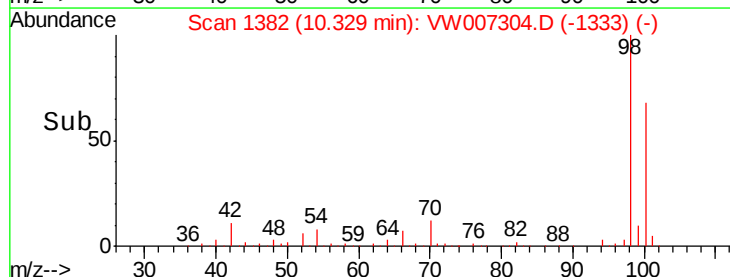
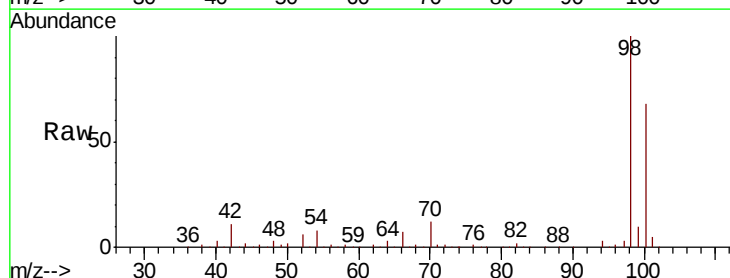
Manual Integrations
APPROVED

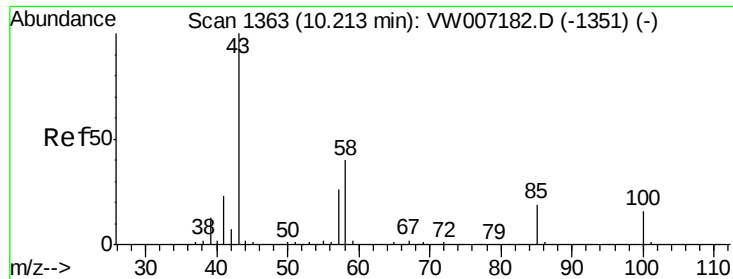
apatel
12/7/2018 12:20:10 PM



#50
Toluene-d8
Concen: 46.163 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 273.911 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007304.D

Acq: 07 Dec 2018 02:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 152140

Ion Ratio Lower Upper

43 100

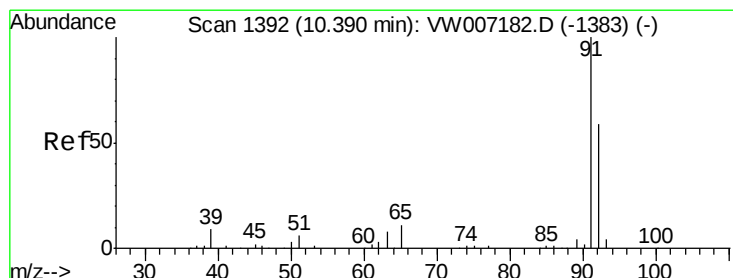
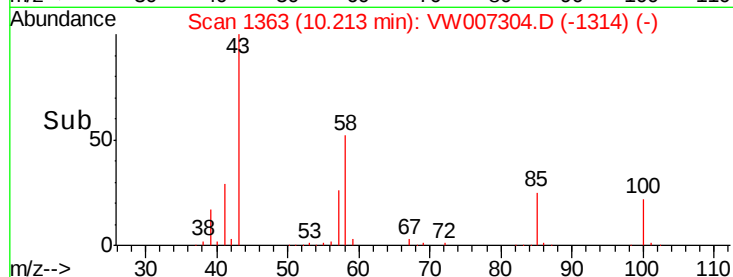
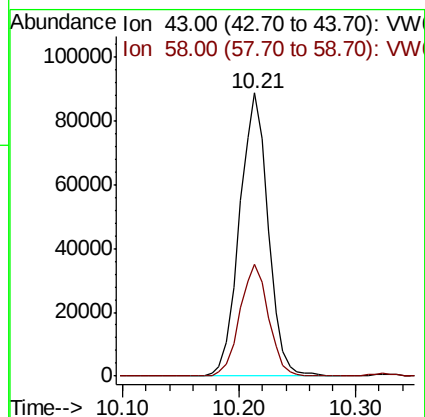
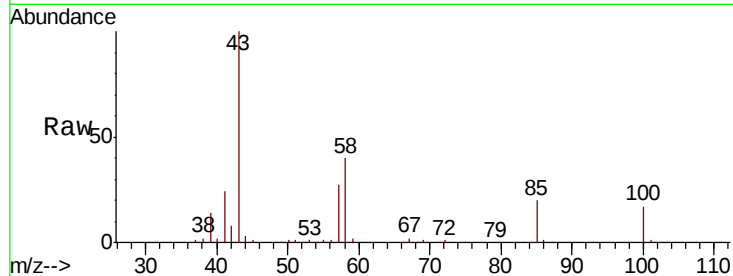
58 39.6 32.3 48.5

Manual Integrations

APPROVED

apatel

12/7/2018 12:20:10 PM



#52

Toluene

Concen: 50.320 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007304.D

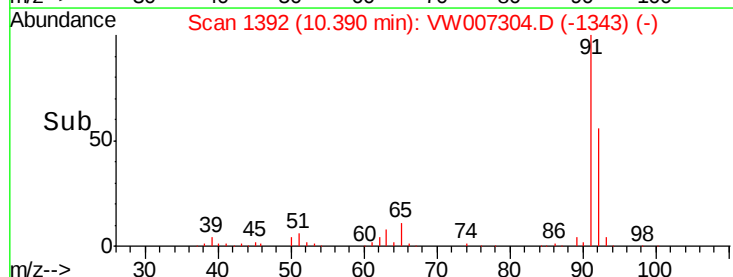
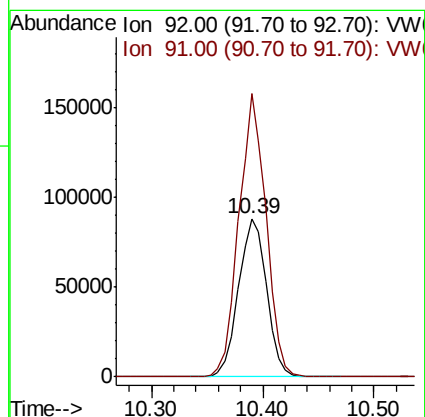
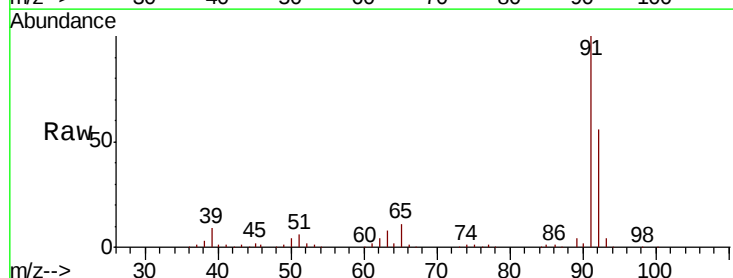
Acq: 07 Dec 2018 02:22

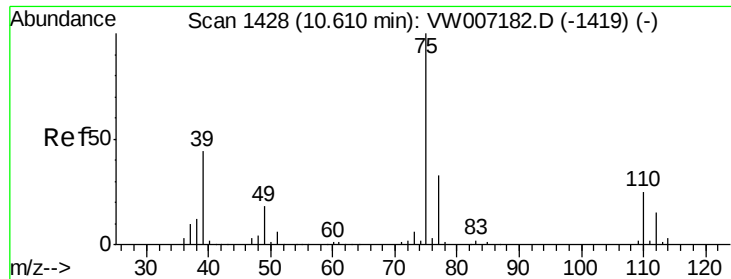
Tgt Ion: 92 Resp: 153987

Ion Ratio Lower Upper

92 100

91 173.2 136.0 204.0





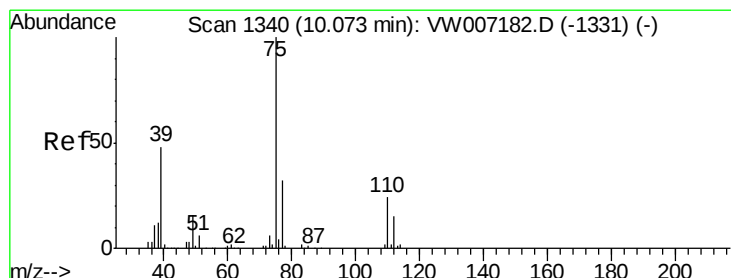
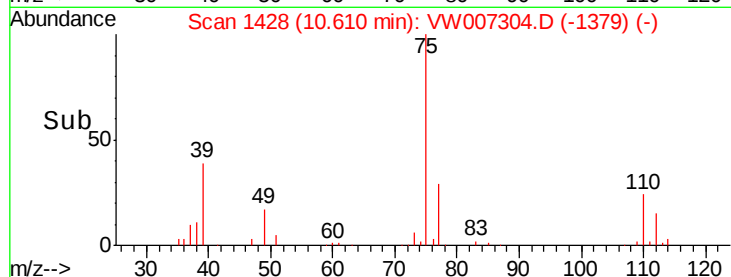
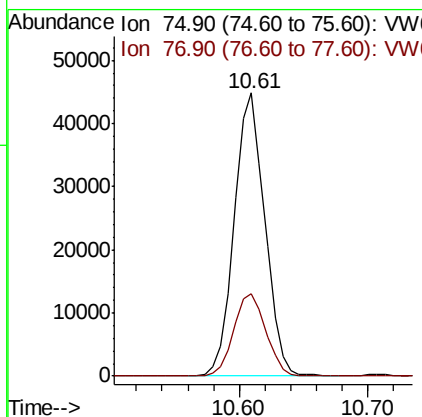
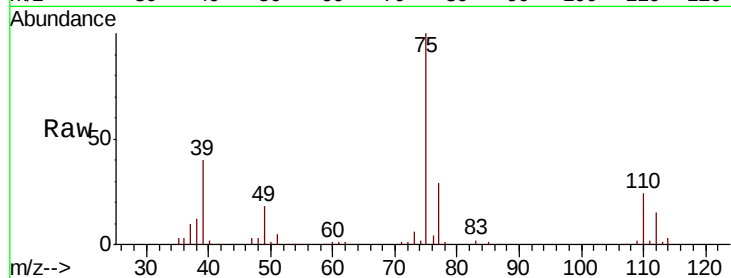
#53
t-1,3-Dichloropropene
Concen: 52.431 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 73761
Ion Ratio Lower Upper
75 100
77 29.2 26.2 39.2

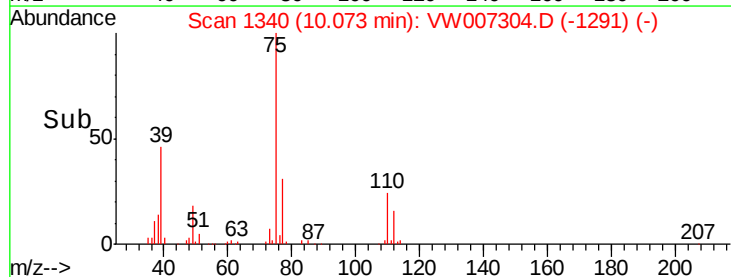
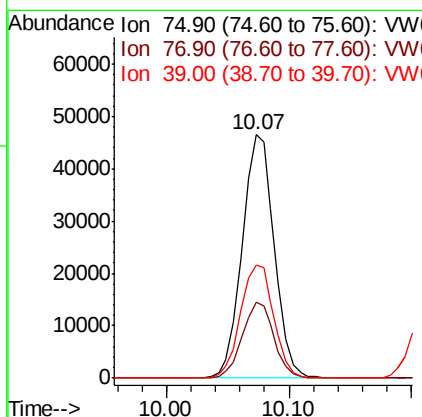
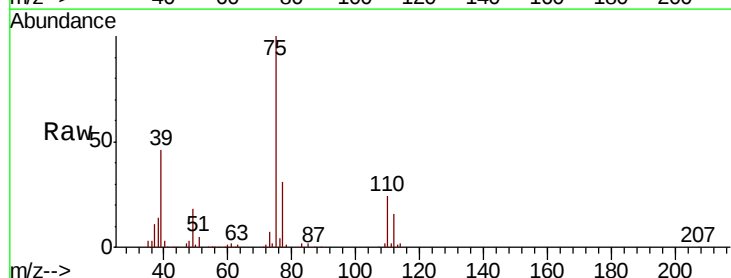
Manual Integrations
APPROVED

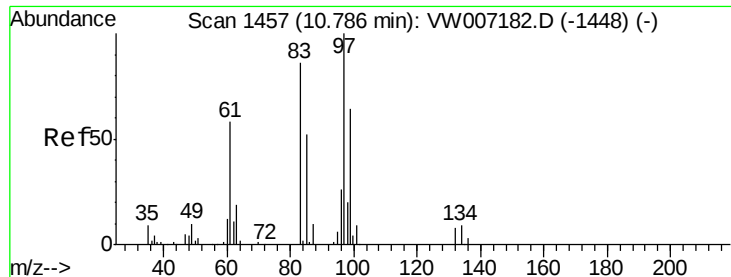
apatel
12/7/2018 12:20:10 PM



#54
cis-1,3-Dichloropropene
Concen: 51.184 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Tgt Ion: 75 Resp: 84387
Ion Ratio Lower Upper
75 100
77 31.4 26.0 39.0
39 46.2 38.0 57.0





#55

1,1,2-Trichloroethane

Concen: 49.325 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW007304.D

Acq: 07 Dec 2018 02:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 37323

Ion Ratio Lower Upper

97 100

83 89.9 68.6 102.8

85 57.4 41.4 62.2

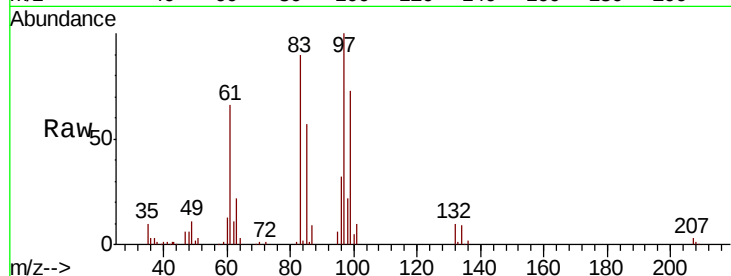
99 72.7 51.2 76.8

Manual Integrations

APPROVED

apatel

12/7/2018 12:20:10 PM



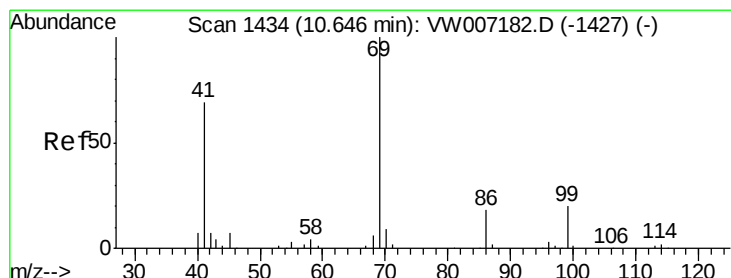
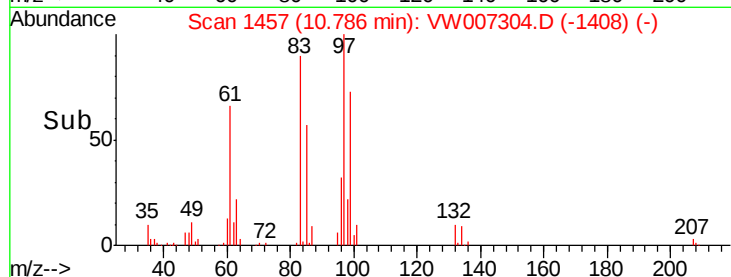
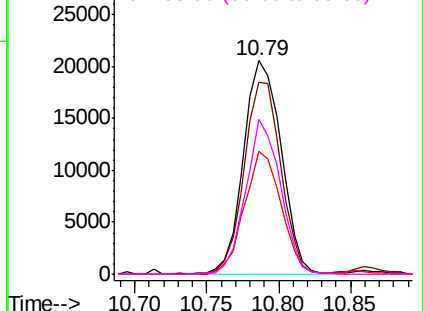
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 54.177 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VW007304.D

Acq: 07 Dec 2018 02:22

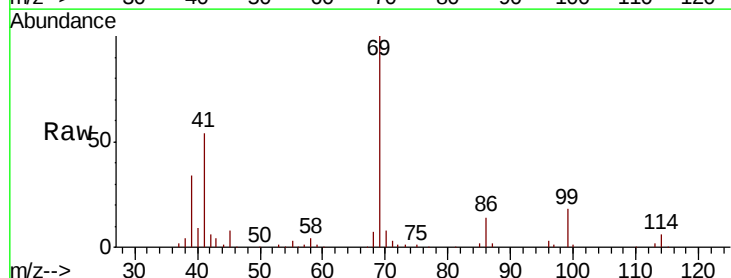
Tgt Ion: 69 Resp: 53474

Ion Ratio Lower Upper

69 100

41 60.0 51.8 77.6

39 35.5 28.7 43.1

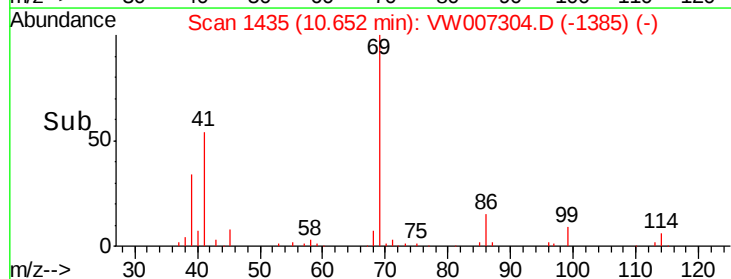
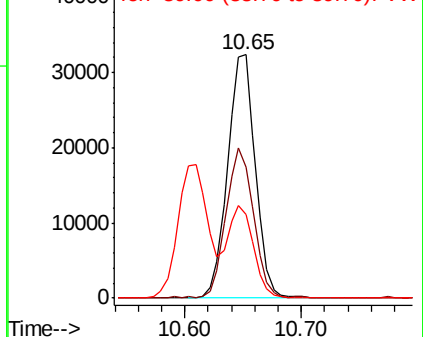


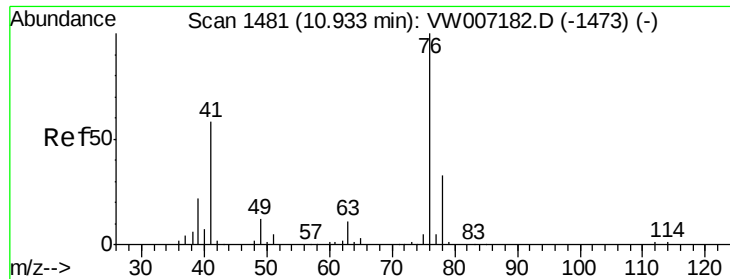
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





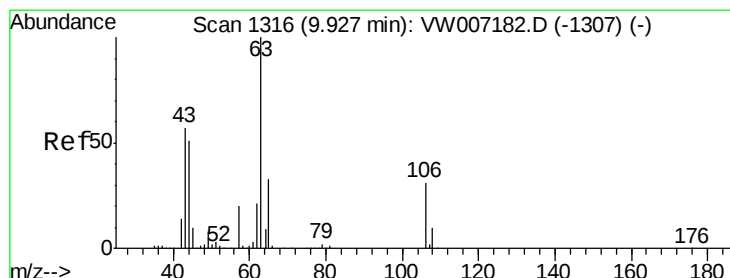
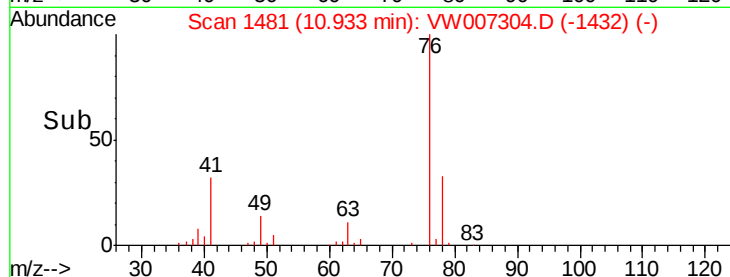
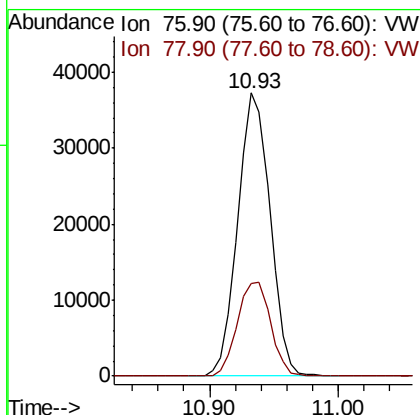
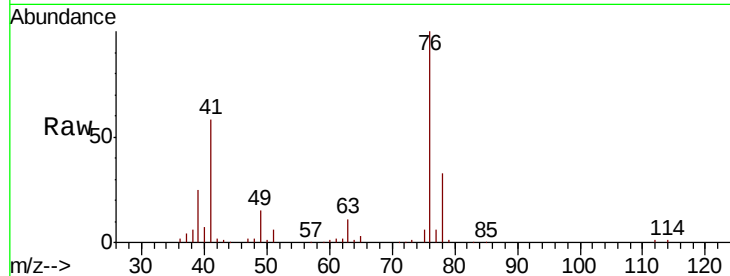
#57
 1,3-Dichloropropane
 Concen: 50.770 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007304.D
 Acq: 07 Dec 2018 02:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 64858
 Ion Ratio Lower Upper
 76 100
 78 34.0 26.6 40.0

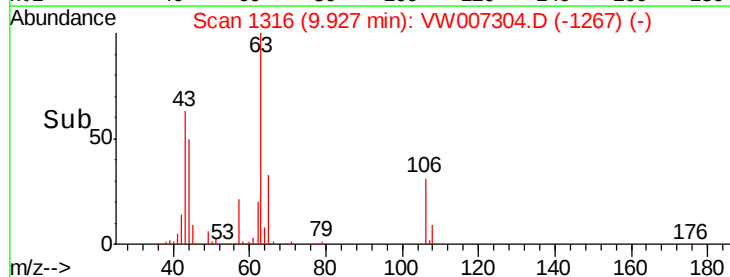
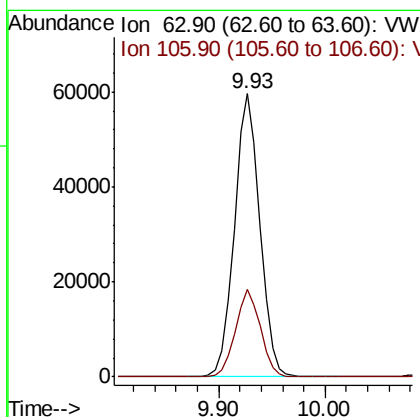
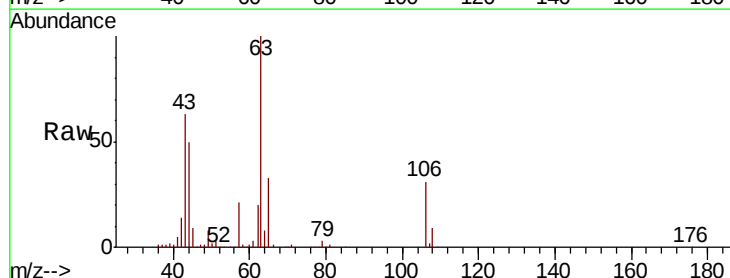
Manual Integrations
 APPROVED

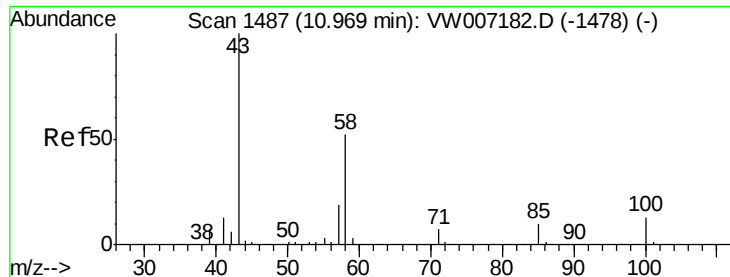
apatel
 12/7/2018 12:20:10 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.113 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007304.D
 Acq: 07 Dec 2018 02:22

Tgt Ion: 63 Resp: 99555
 Ion Ratio Lower Upper
 63 100
 106 30.3 24.1 36.1





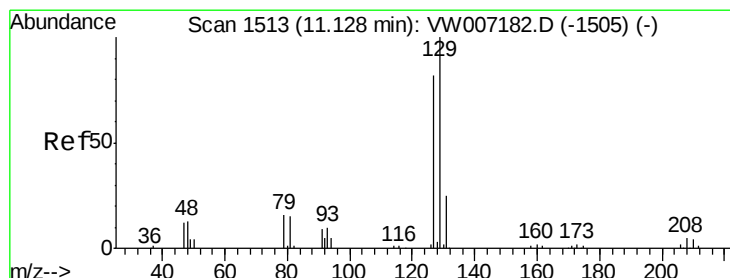
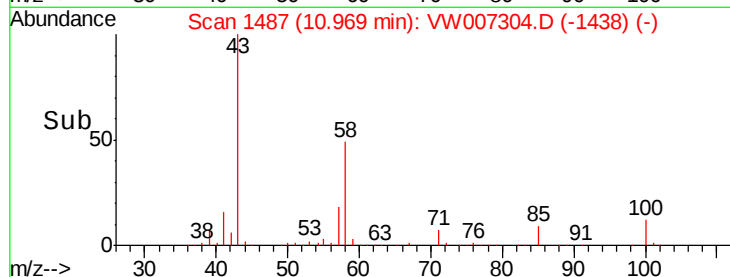
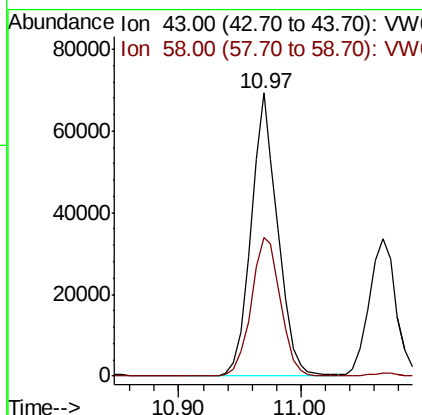
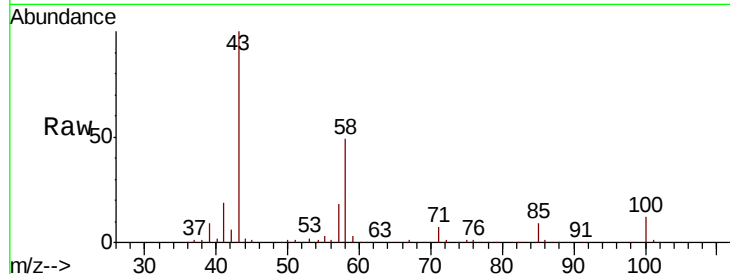
#59
2-Hexanone
Concen: 260.117 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 104735
Ion Ratio Lower Upper
43 100
58 53.8 28.1 84.4

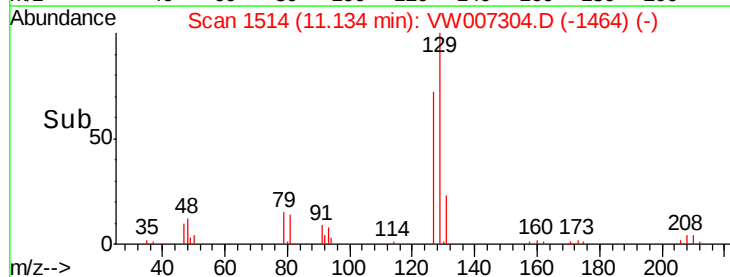
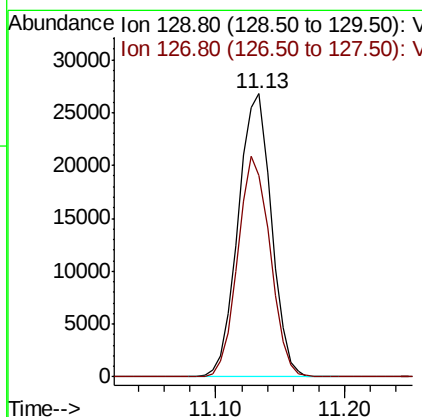
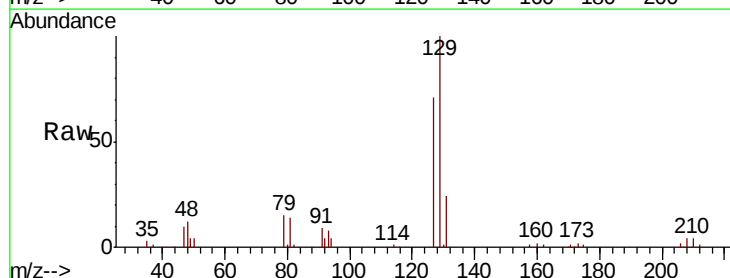
Manual Integrations
APPROVED

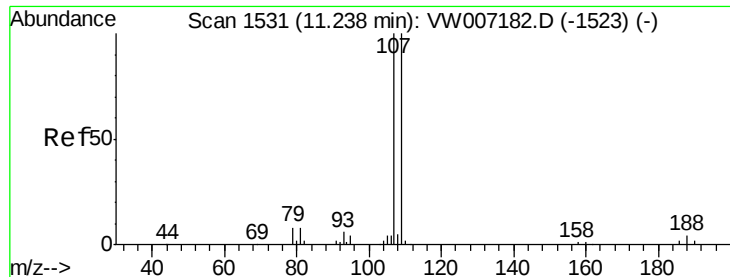
apatel
12/7/2018 12:20:10 PM



#60
Dibromochloromethane
Concen: 51.416 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Tgt Ion: 129 Resp: 47816
Ion Ratio Lower Upper
129 100
127 76.1 39.8 119.4





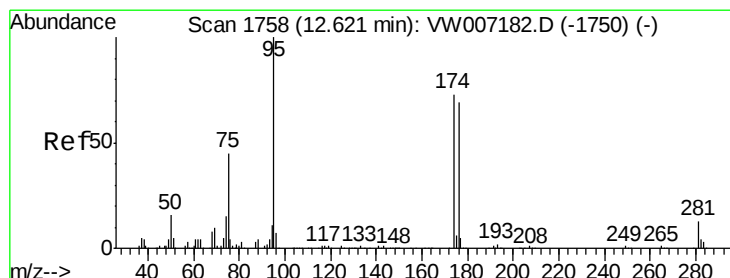
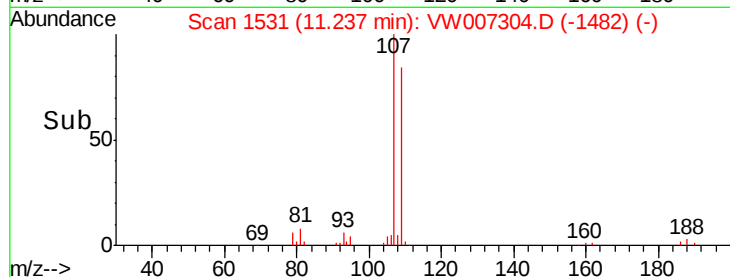
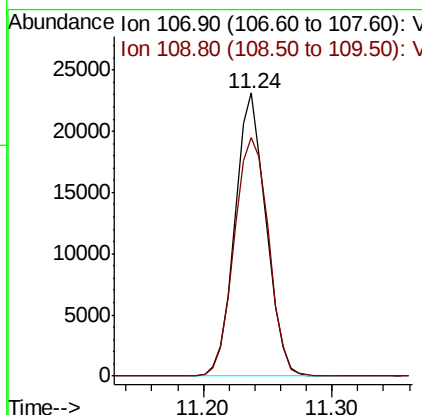
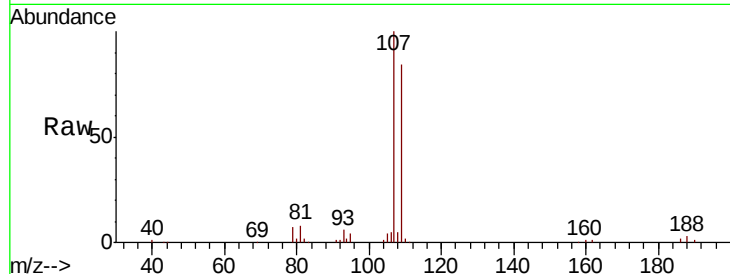
#61
1,2-Dibromoethane
Concen: 53.428 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	77.3	115.9

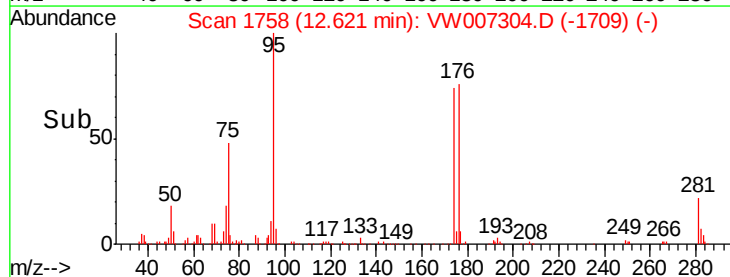
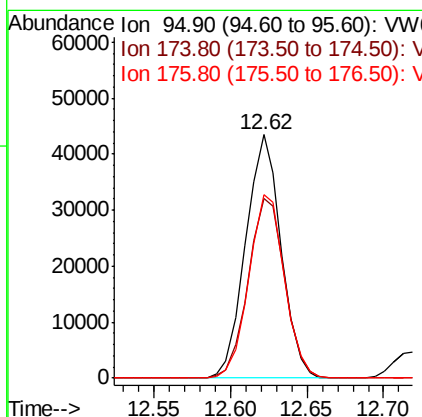
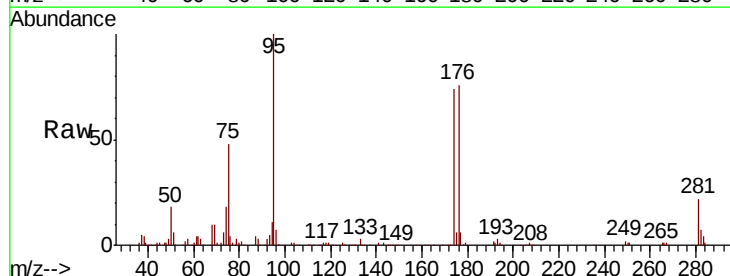
Manual Integrations
APPROVED

apatel
12/7/2018 12:20:10 PM



#62
4-Bromofluorobenzene
Concen: 44.499 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.4	0.0	148.0
176	75.9	0.0	139.4





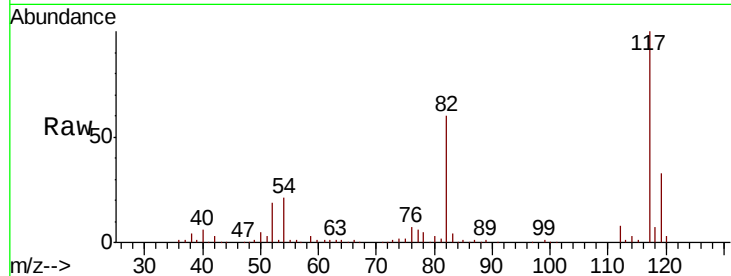
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	47.4	71.2
119	33.2	26.8	40.2

Manual Integrations
APPROVED

apatel
12/7/2018 12:20:10 PM

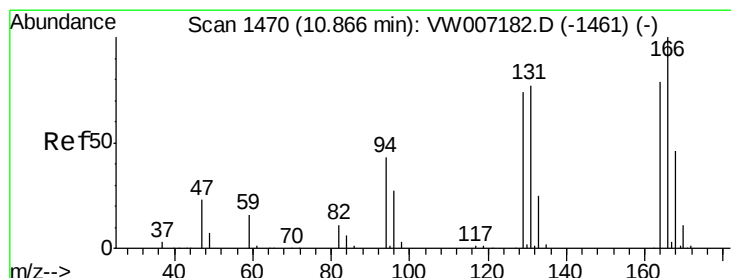
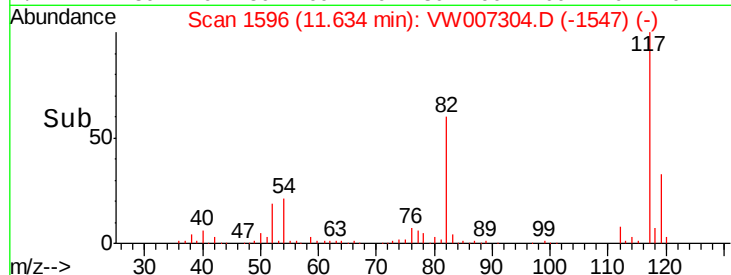
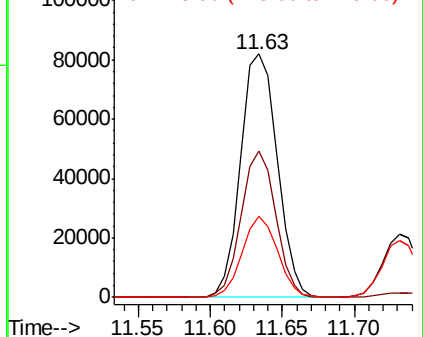


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 55.637 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	101.0	151.4
129	94.1	74.6	111.8
131	92.9	77.6	116.4

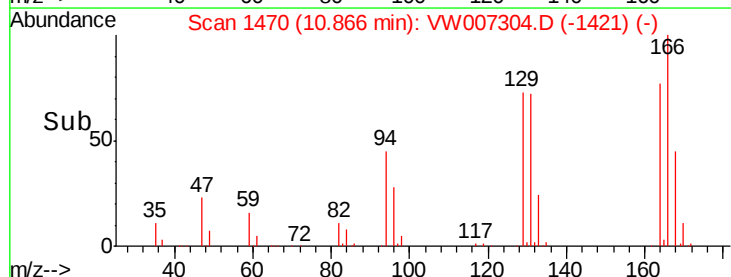
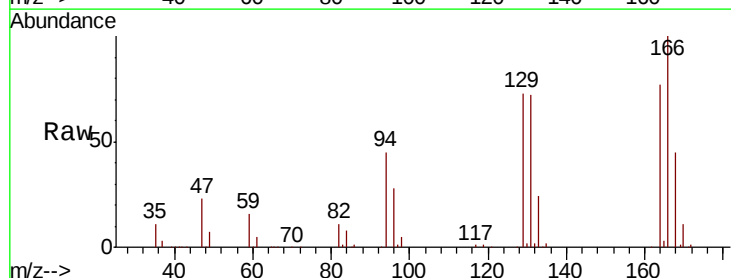
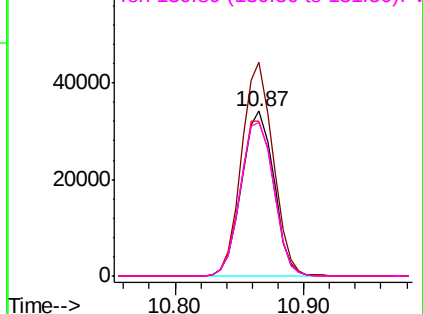
Abundance

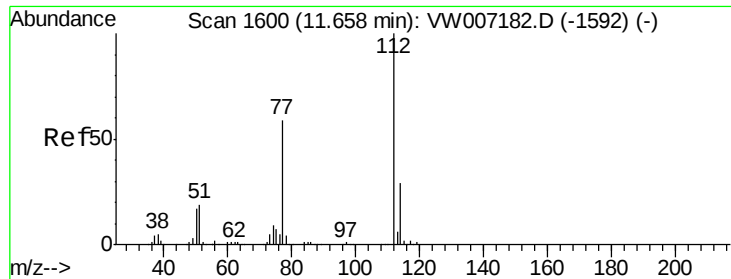
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





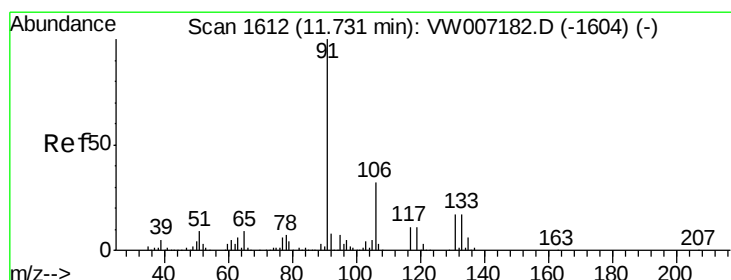
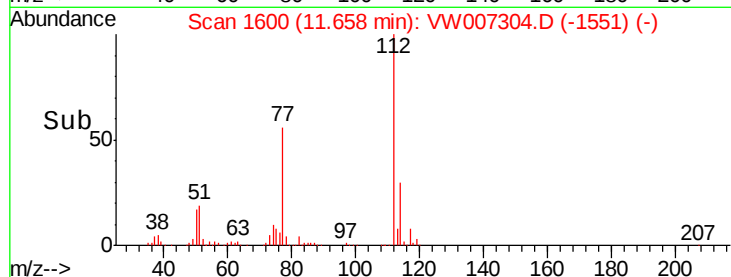
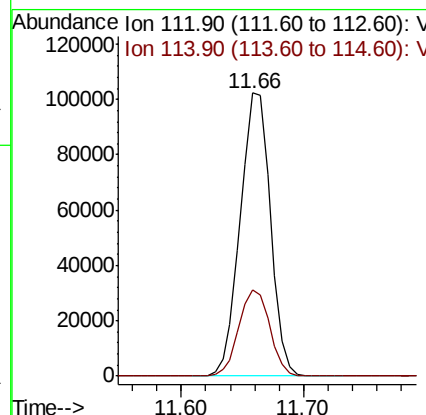
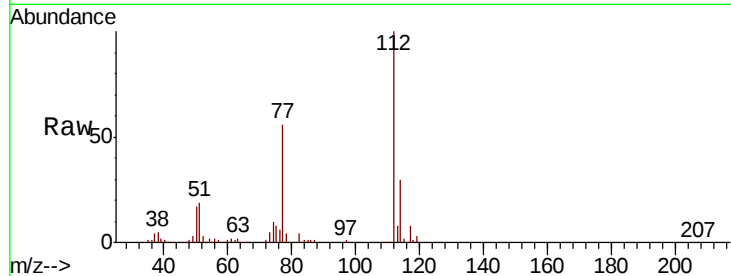
#65
Chlorobenzene
Concen: 54.110 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.3	23.0	34.4

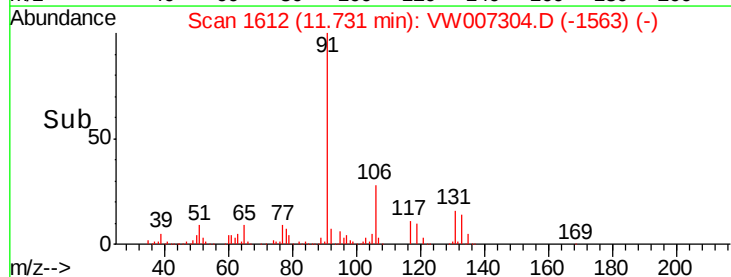
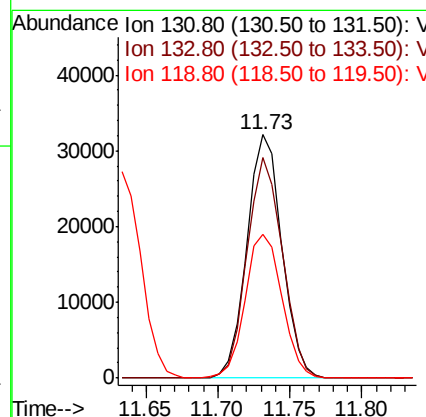
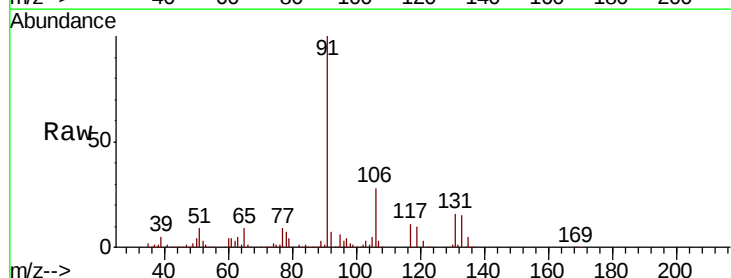
Manual Integrations
APPROVED

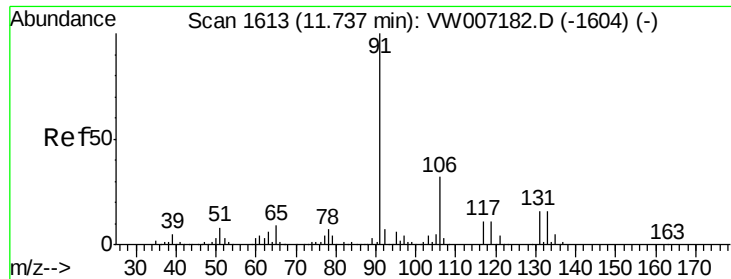
apatel
12/7/2018 12:20:10 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.625 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.2	48.0	144.2
119	62.2	32.8	98.4





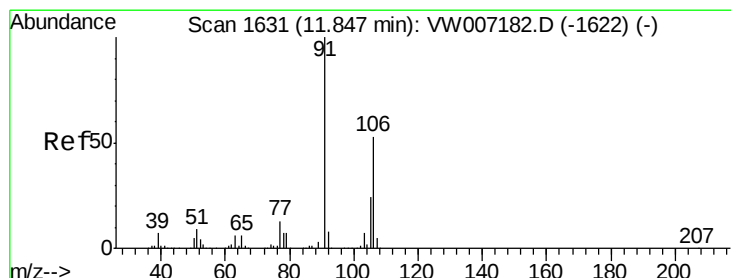
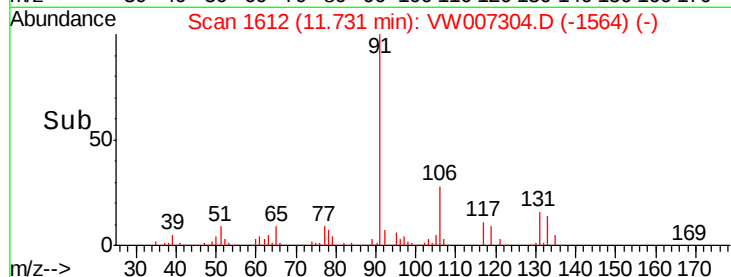
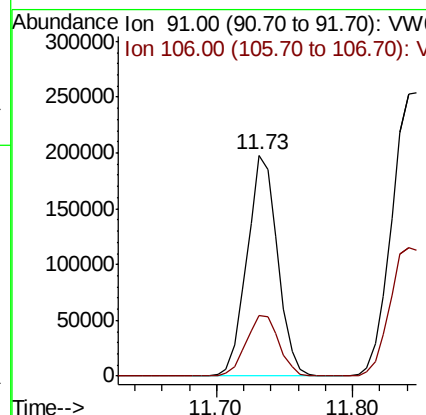
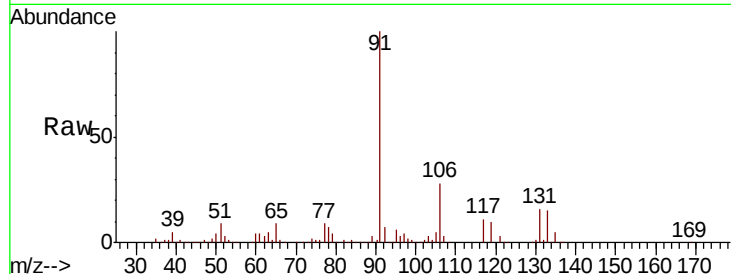
#67
Ethyl Benzene
Concen: 52.576 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	27.6	26.0	39.0	

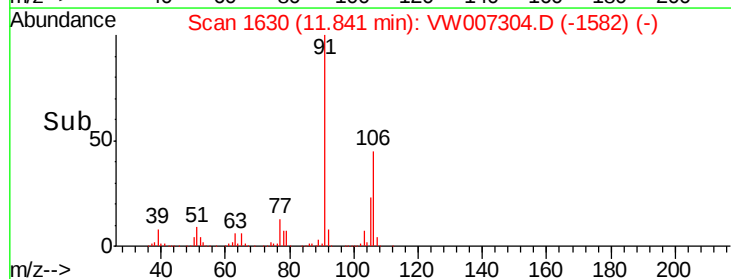
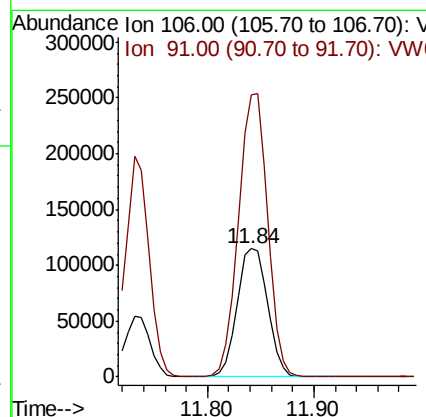
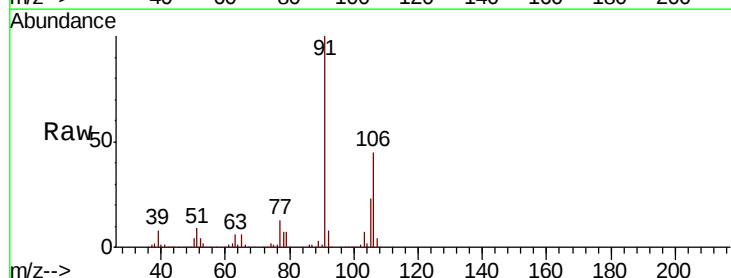
Manual Integrations
APPROVED

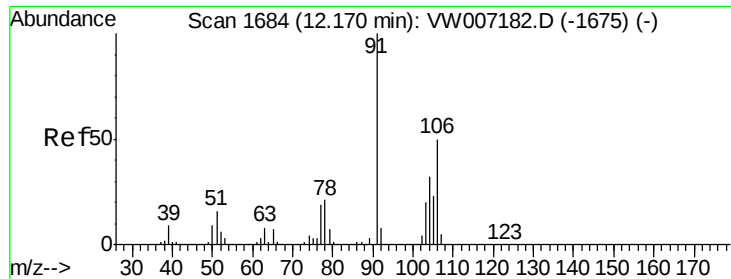
apatel
12/7/2018 12:20:10 PM



#68
m/p-Xylenes
Concen: 99.787 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.0	160.2	240.4	





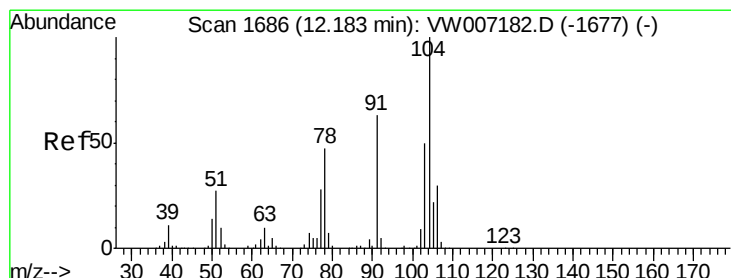
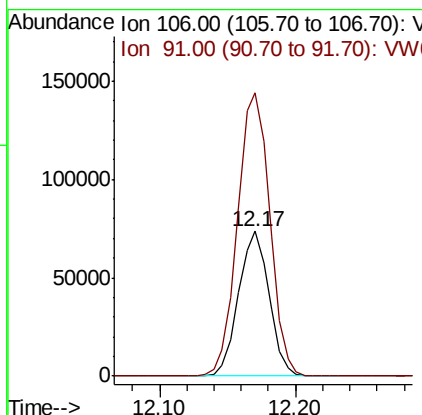
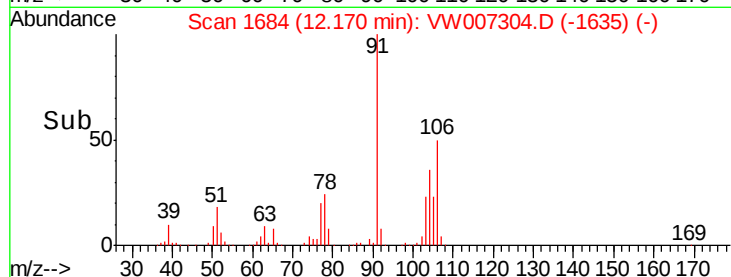
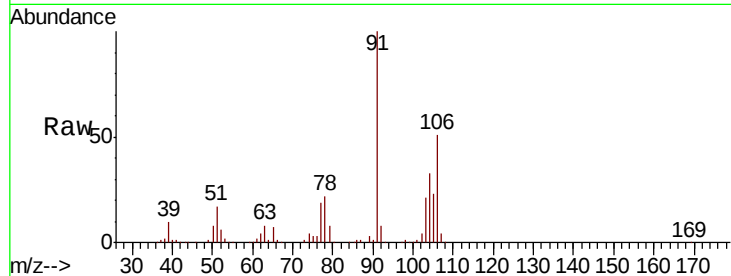
#69
o-Xylene
Concen: 53.331 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.3	104.9	314.7

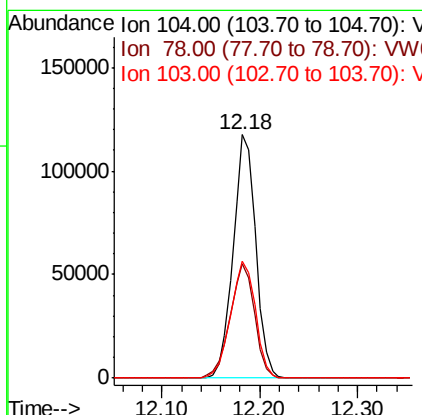
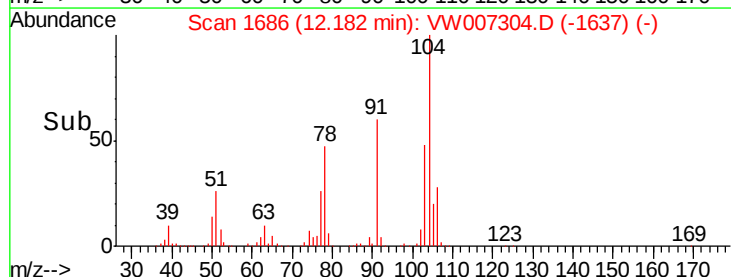
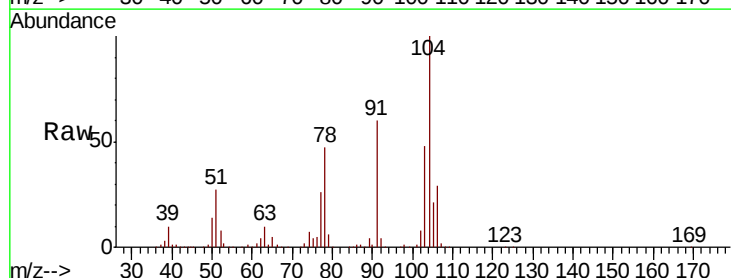
Manual Integrations
APPROVED

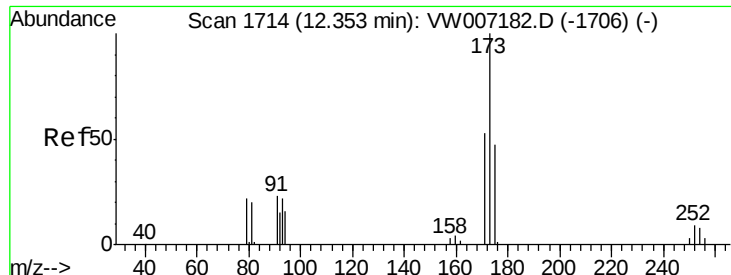
apatel
12/7/2018 12:20:10 PM



#70
Styrene
Concen: 53.058 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.7	40.6	60.8
103	52.7	43.0	64.4





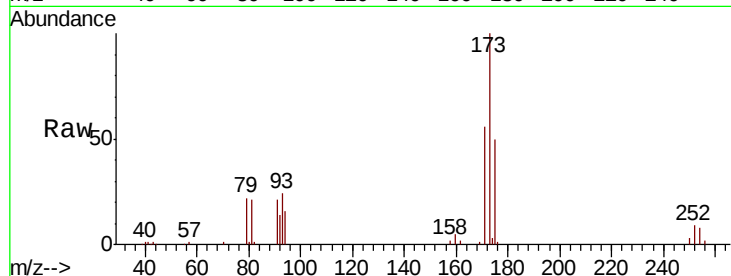
#71
Bromoform
Concen: 53.096 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
APPROVED

apatel
12/7/2018 12:20:10 PM

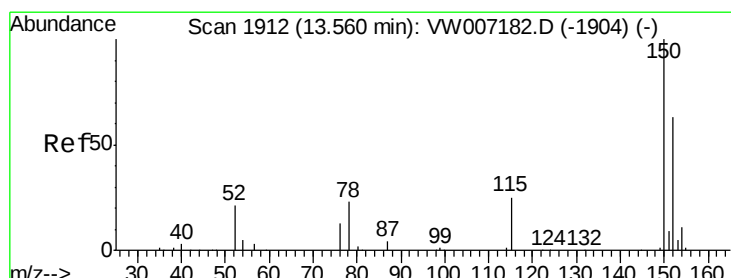
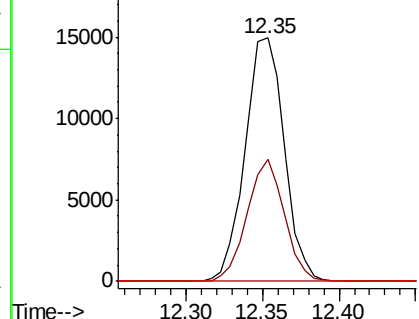
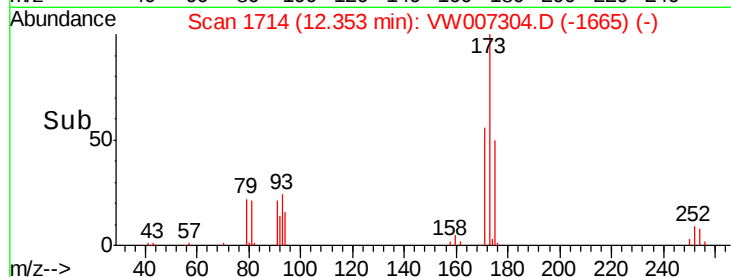


Abundance

Ion 172.70 (172.40 to 173.40): V

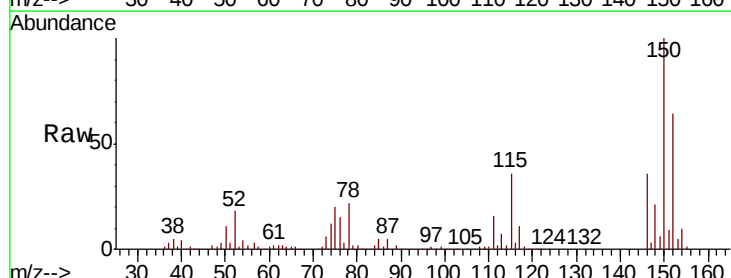
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	31.3	93.8
150	169.7	0.0	358.0

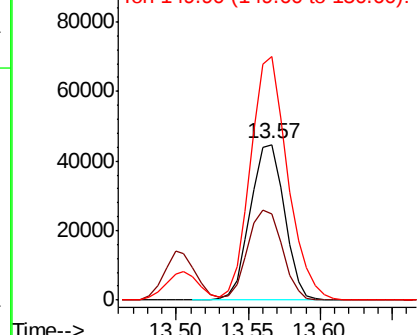
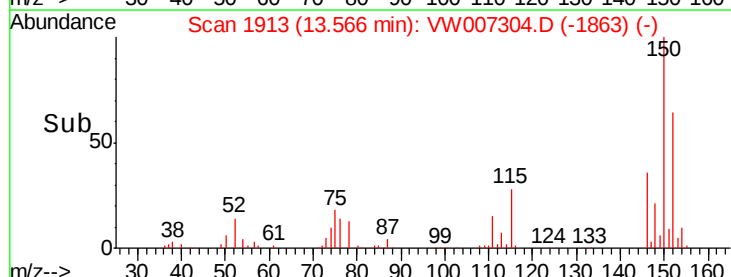


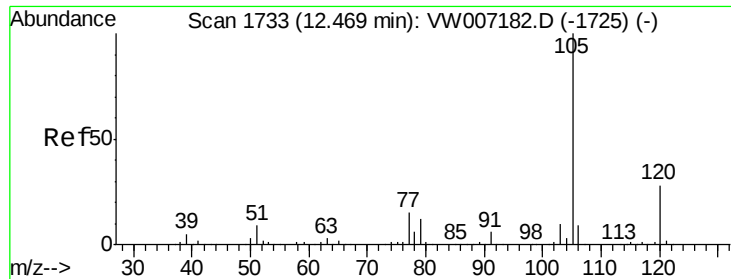
Abundance

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





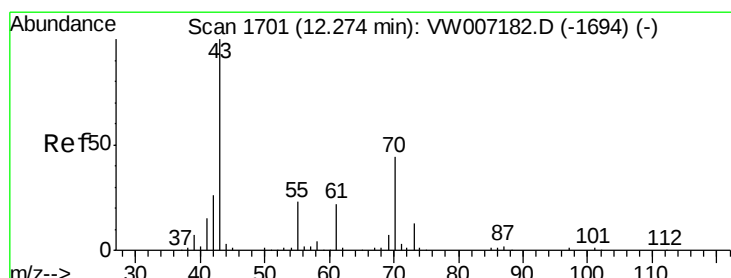
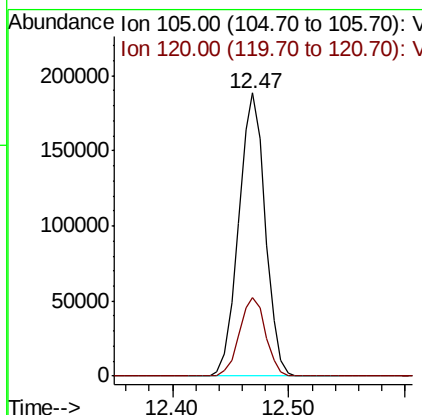
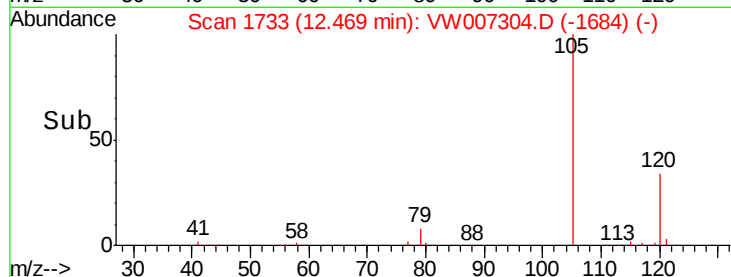
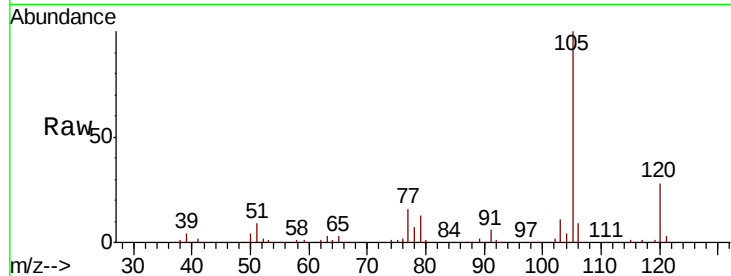
#73
Isopropylbenzene
Concen: 49.983 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 299430
Ion Ratio Lower Upper
105 100
120 27.4 13.2 39.6

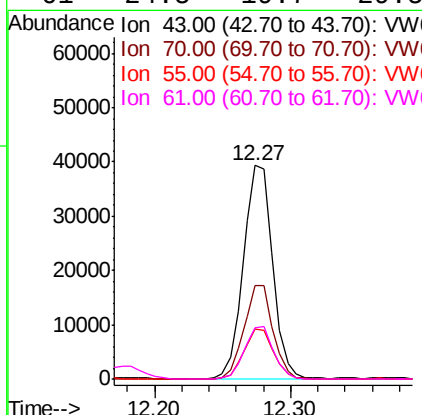
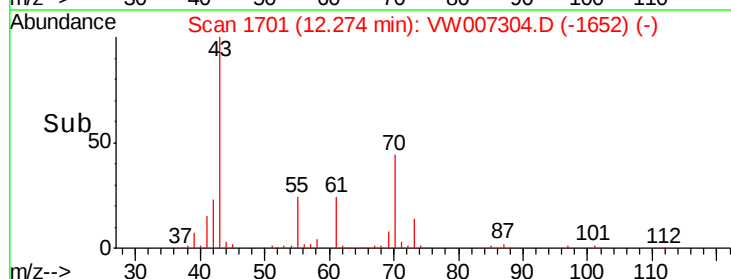
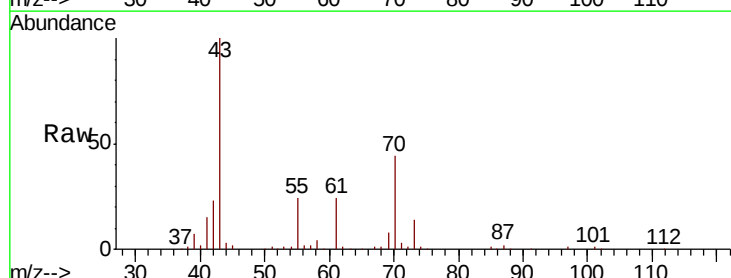
Manual Integrations
APPROVED

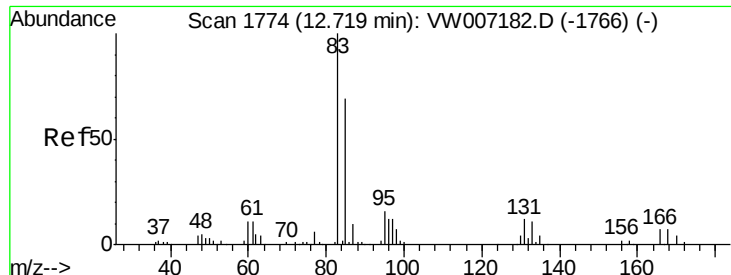
apatel
12/7/2018 12:20:10 PM



#74
N-ethyl acetate
Concen: 55.737 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Tgt Ion: 43 Resp: 59200
Ion Ratio Lower Upper
43 100
70 43.4 34.0 51.0
55 23.9 19.0 28.6
61 24.5 19.7 29.5





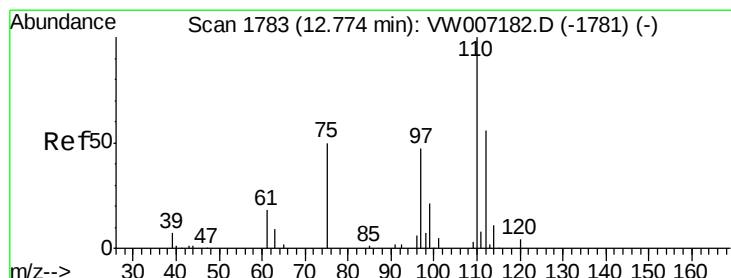
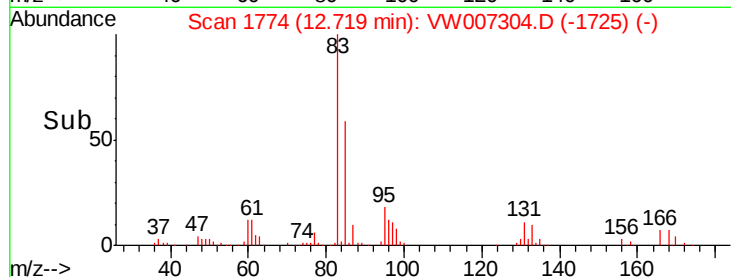
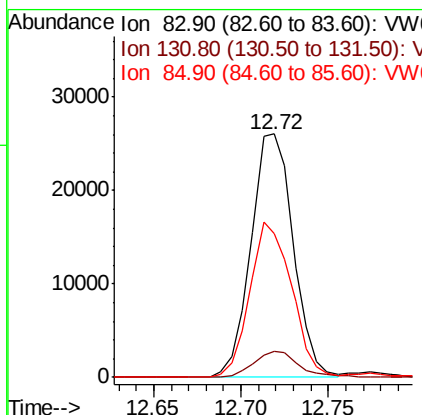
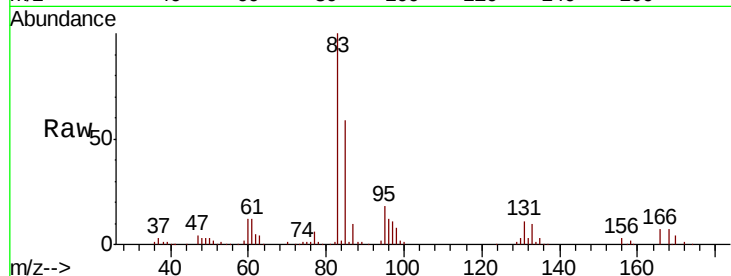
#75
 1,1,2,2-Tetrachloroethane
 Concen: 56.306 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: VW007304.D
 Acq: 07 Dec 2018 02:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	83	Resp	43807
Ion	Ratio	Lower	Upper
83	100		
131	11.5	6.0	18.1
85	62.9	33.0	99.0

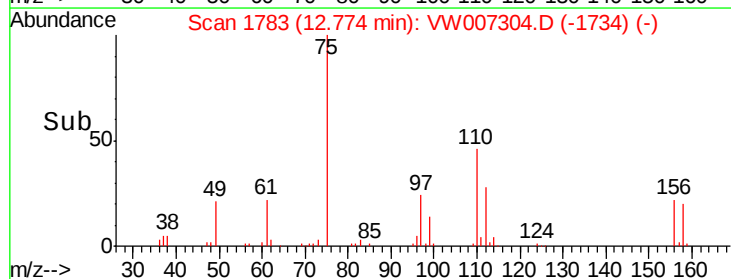
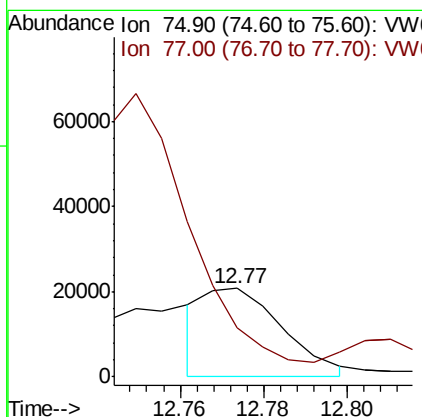
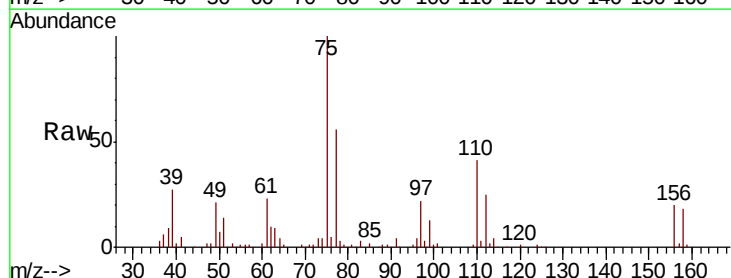
Manual Integrations
 APPROVED

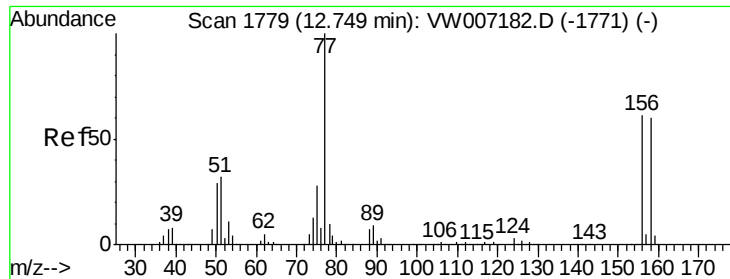
apatel
 12/7/2018 12:20:10 PM



#76
 1,2,3-Trichloropropane
 Concen: 48.303 ug/l m
 RT: 12.77 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VW007304.D
 Acq: 07 Dec 2018 02:22

Tgt Ion	75	Resp	27548
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.725 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007304.D

Acq: 07 Dec 2018 02:22

Instrument :

MSVOA_W

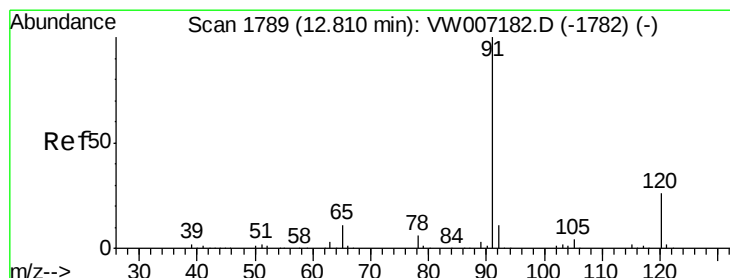
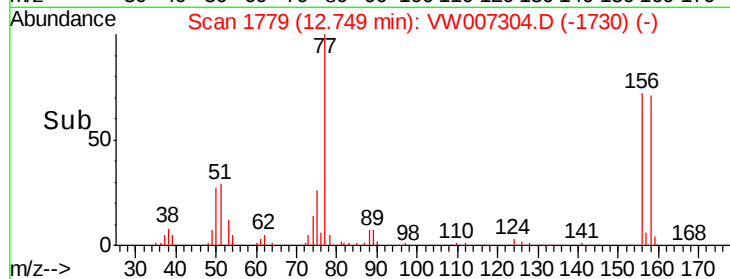
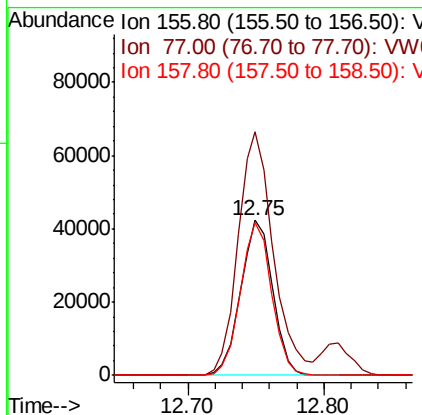
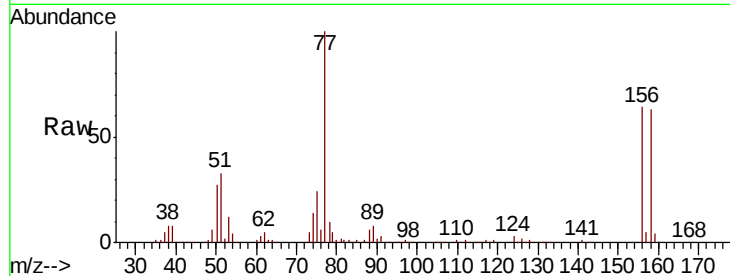
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	173.4	92.0	276.1	
158	96.4	49.0	147.0	

Manual Integrations
APPROVED

apatel
12/7/2018 12:20:10 PM



#78

n-propylbenzene

Concen: 50.010 ug/l

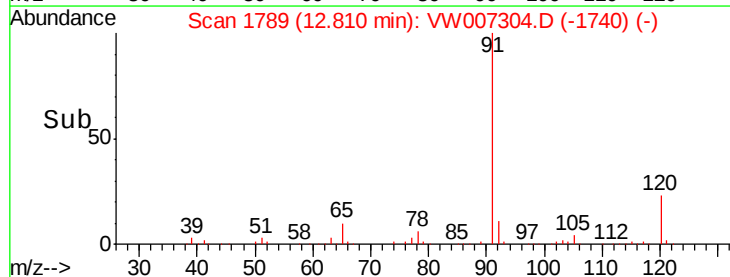
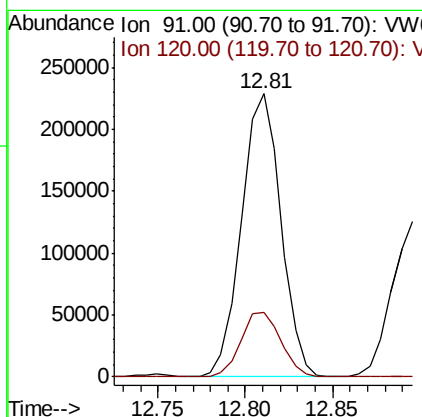
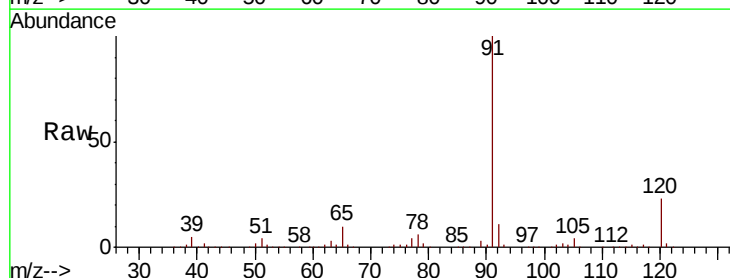
RT: 12.81 min Scan# 1789

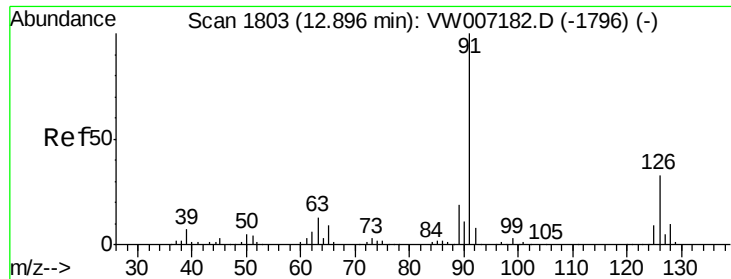
Delta R.T. -0.00 min

Lab File: VW007304.D

Acq: 07 Dec 2018 02:22

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.4	12.5	37.5	





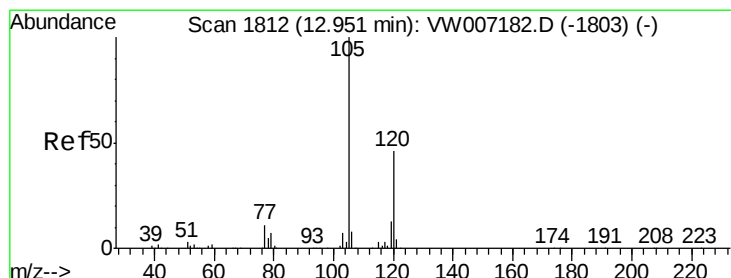
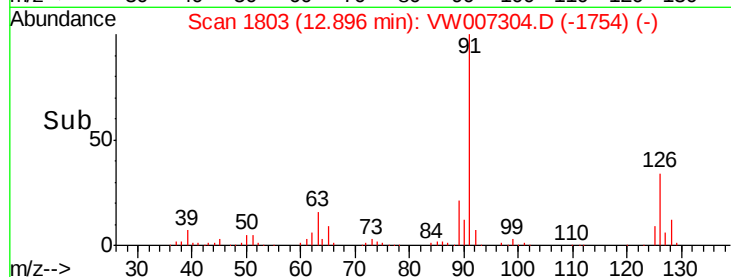
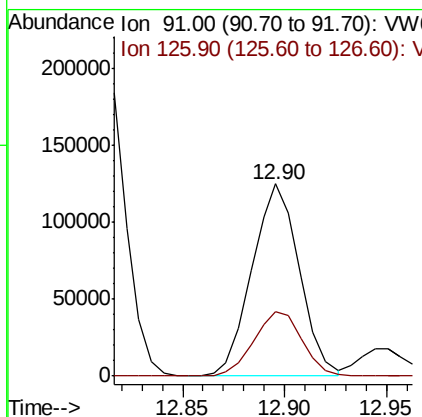
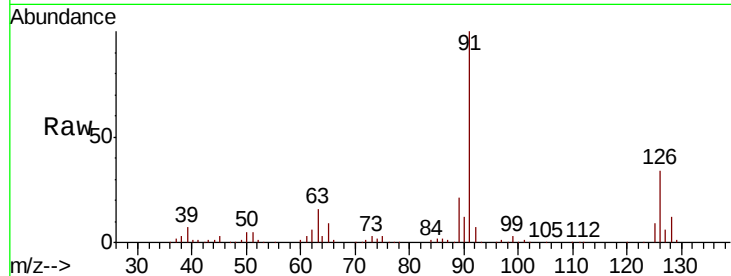
#79
 2-Chlorotoluene
 Concen: 49.870 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007304.D
 Acq: 07 Dec 2018 02:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 200992
 Ion Ratio Lower Upper
 91 100
 126 34.3 16.7 50.1

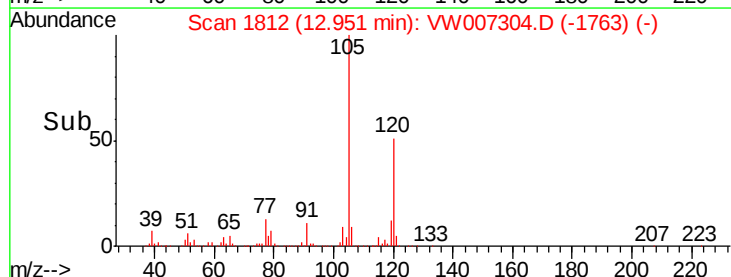
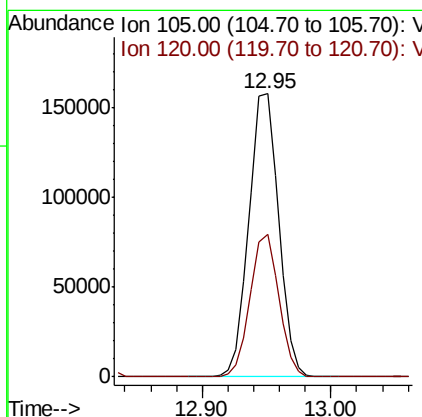
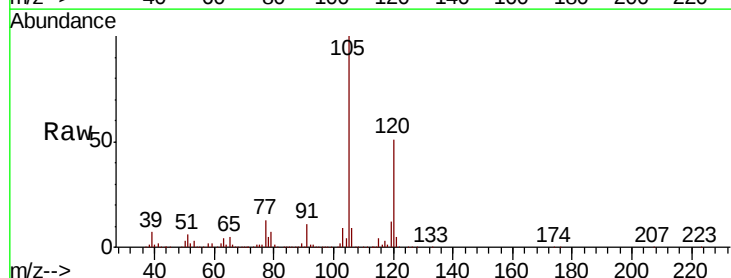
Manual Integrations
 APPROVED

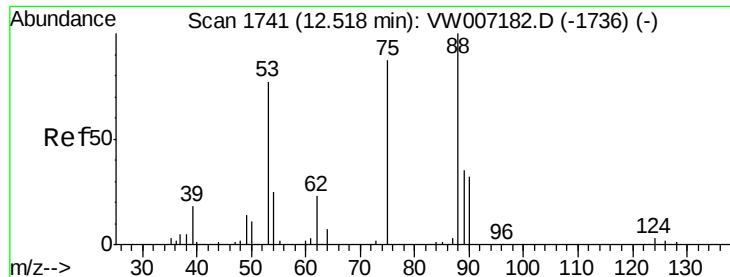
apatel
 12/7/2018 12:20:10 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 48.949 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW007304.D
 Acq: 07 Dec 2018 02:22

Tgt Ion: 105 Resp: 250854
 Ion Ratio Lower Upper
 105 100
 120 48.9 23.8 71.5





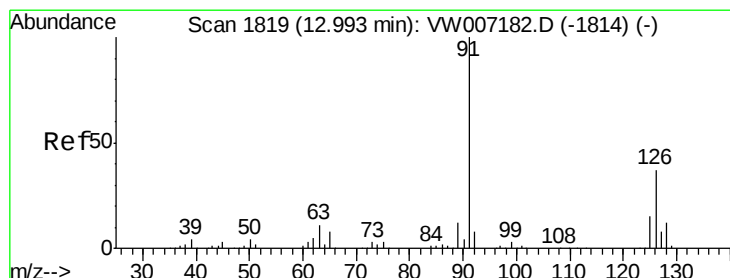
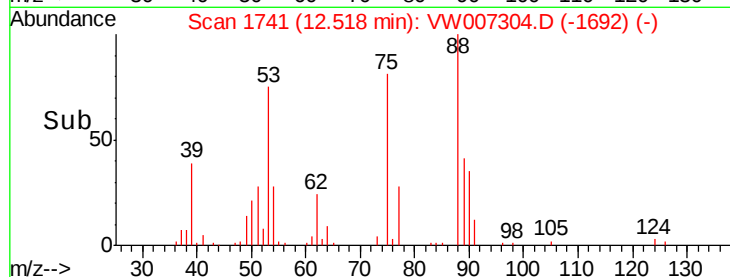
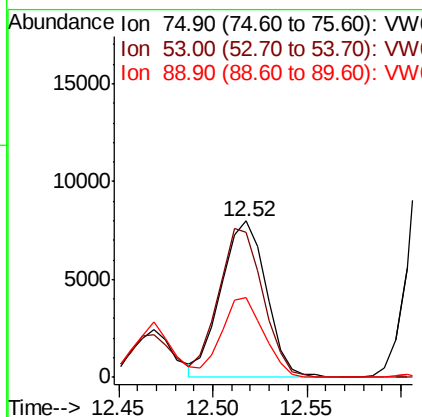
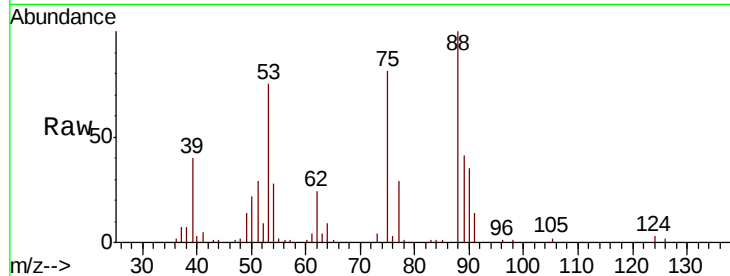
#81
trans-1,4-Dichloro-2-butene
Concen: 50.233 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.3	72.8	109.2
89	47.0	36.4	54.6

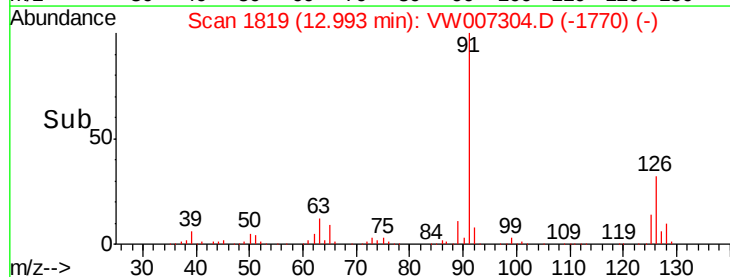
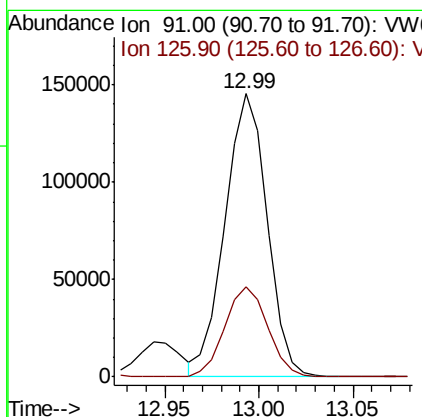
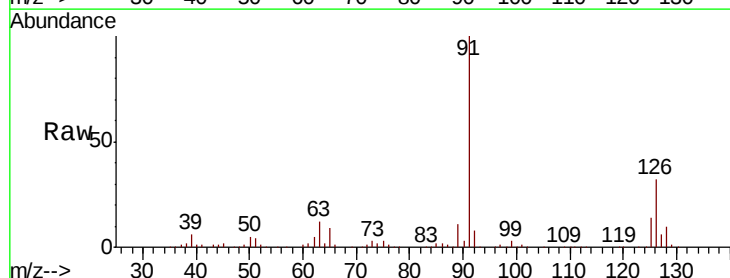
Manual Integrations
APPROVED

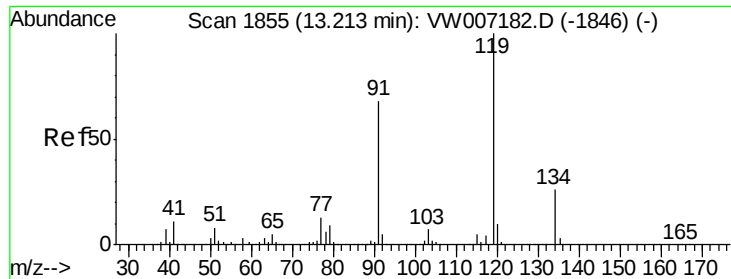
apatel
12/7/2018 12:20:10 PM



#82
4-Chlorotoluene
Concen: 52.300 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	17.4	52.3





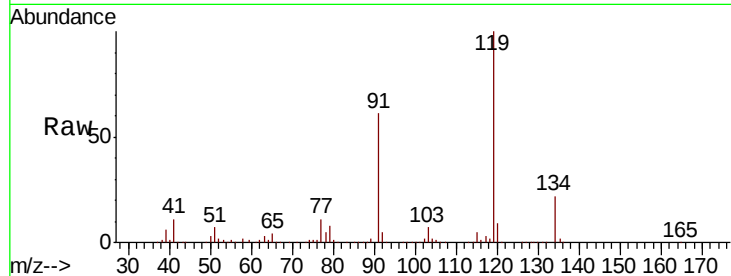
#83
tert-Butylbenzene
Concen: 51.326 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

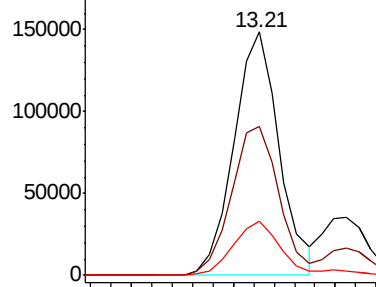
Tot Ion	Ratio	Resp	Lower	Upper
119	100	229869		
91	64.2	34.0	101.8	
134	23.0	13.2	39.5	

Manual Integrations
APPROVED

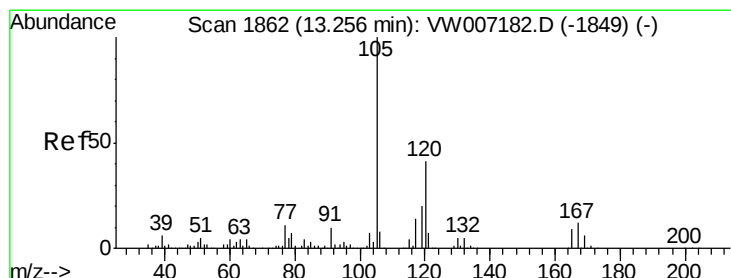
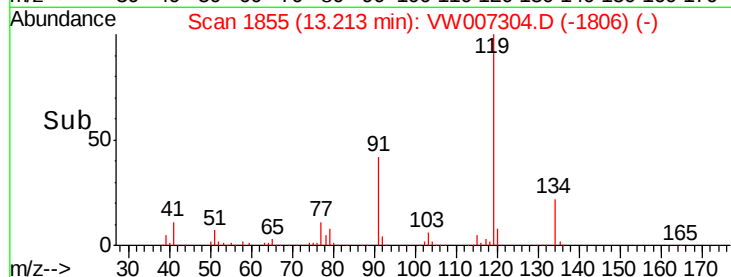
apatel
12/7/2018 12:20:10 PM



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

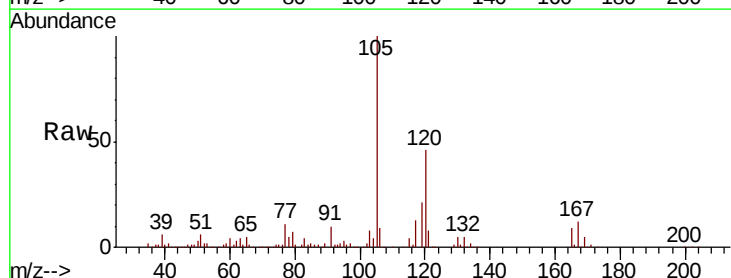


Time-->

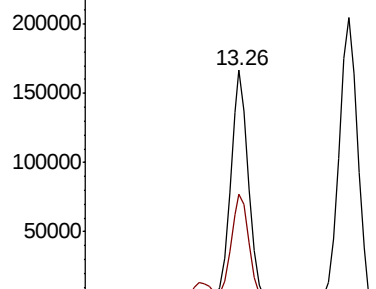


#84
1,2,4-Trimethylbenzene
Concen: 48.972 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

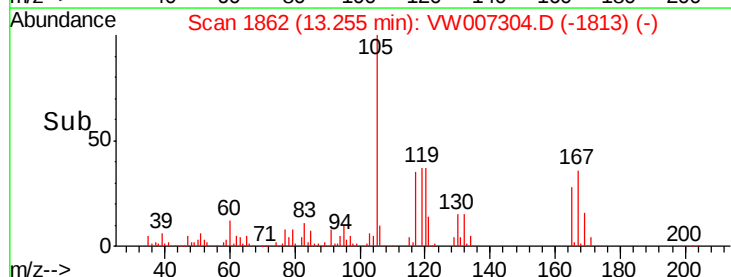
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	256188		
120	46.4	21.1	63.3	

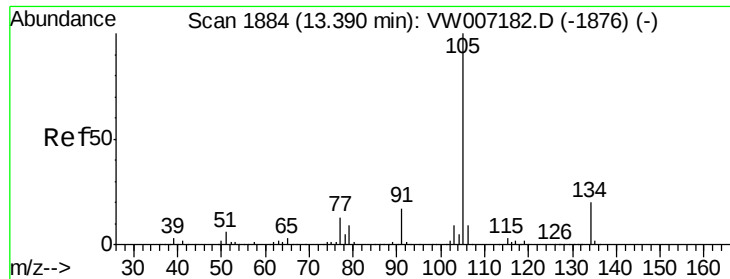


Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



Time-->





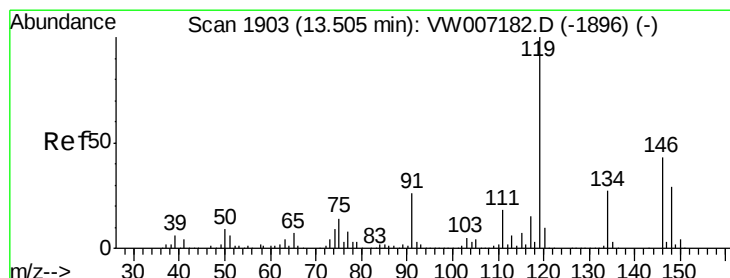
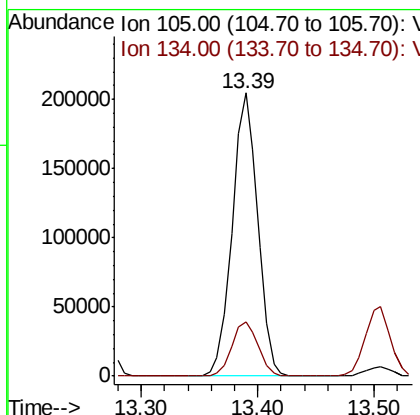
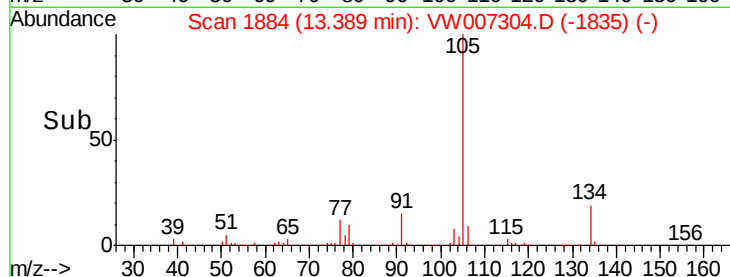
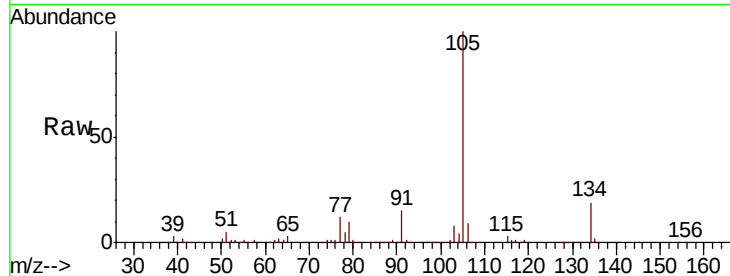
#85
 sec-Butylbenzene
 Concen: 48.731 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007304.D
 Acq: 07 Dec 2018 02:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	10.3	30.8

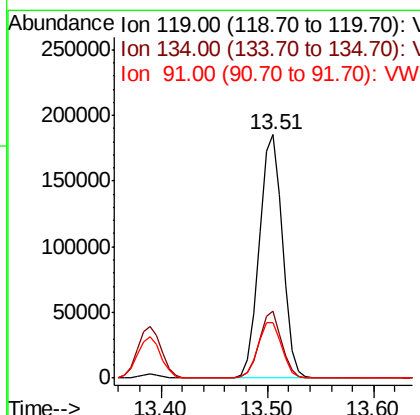
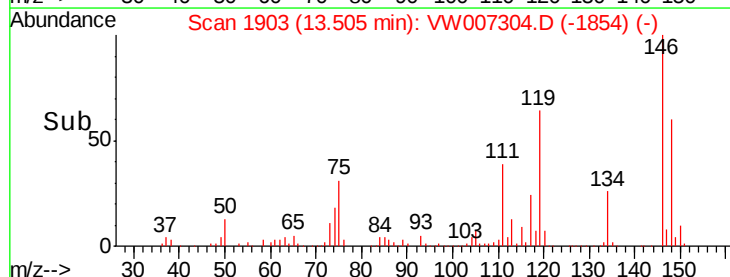
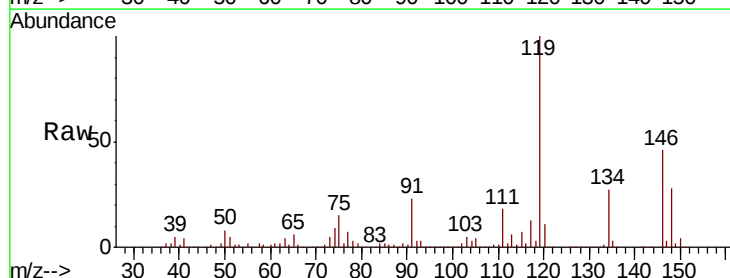
Manual Integrations
 APPROVED

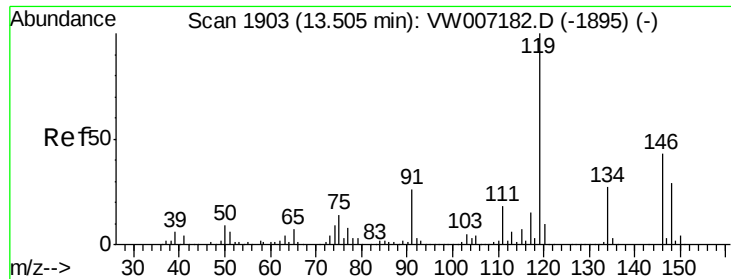
apatel
 12/7/2018 12:20:10 PM



#86
 p-Isopropyltoluene
 Concen: 49.955 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007304.D
 Acq: 07 Dec 2018 02:22

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.2	39.6
91	23.5	12.4	37.2





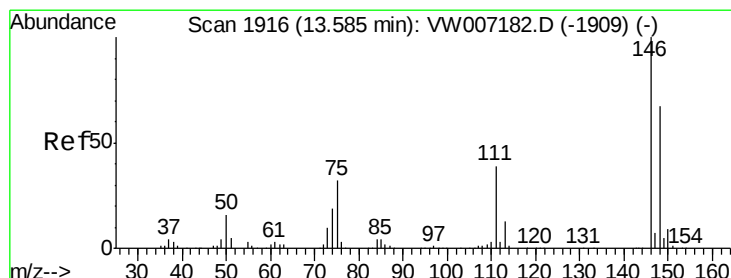
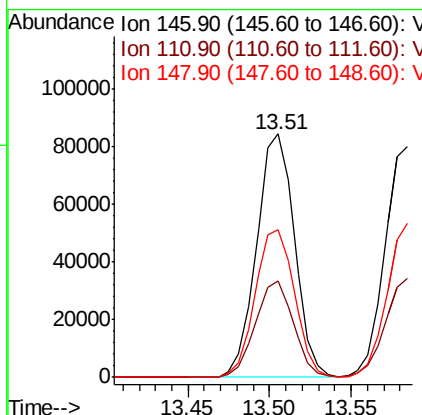
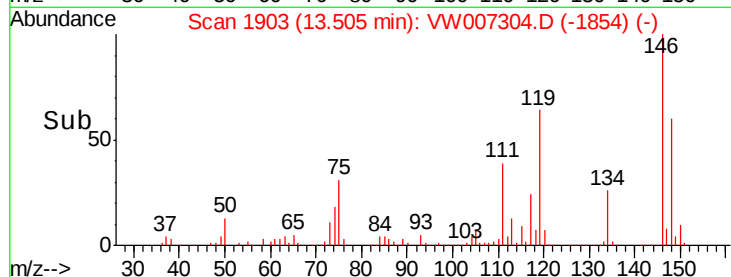
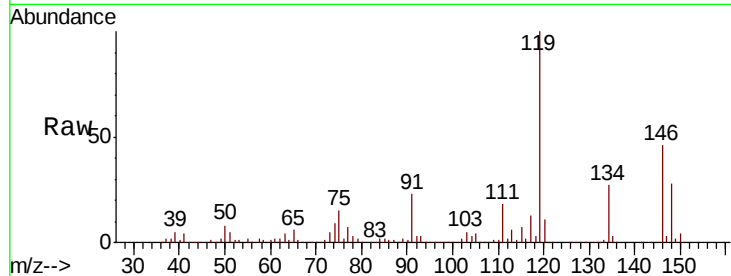
#87
 1,3-Dichlorobenzene
 Concen: 51.383 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007304.D
 Acq: 07 Dec 2018 02:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	21.1	63.4
148	63.1	32.8	98.4

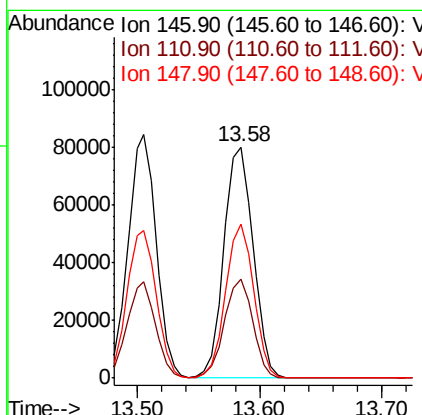
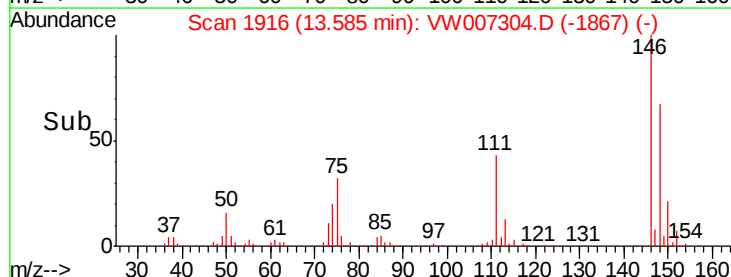
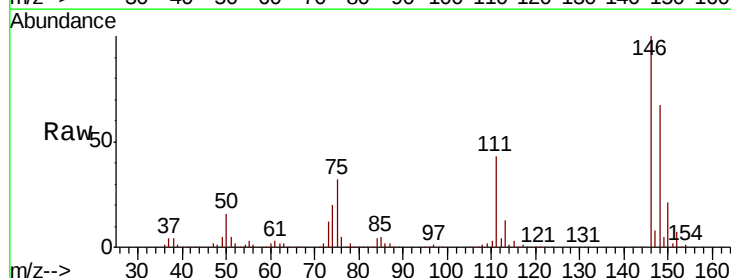
Manual Integrations
 APPROVED

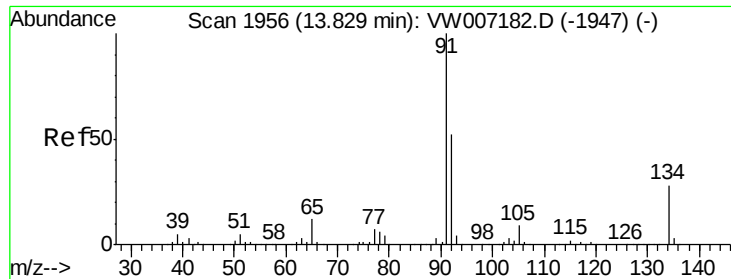
apatel
 12/7/2018 12:20:10 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.571 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007304.D
 Acq: 07 Dec 2018 02:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	19.6	58.8
148	64.2	32.6	98.0





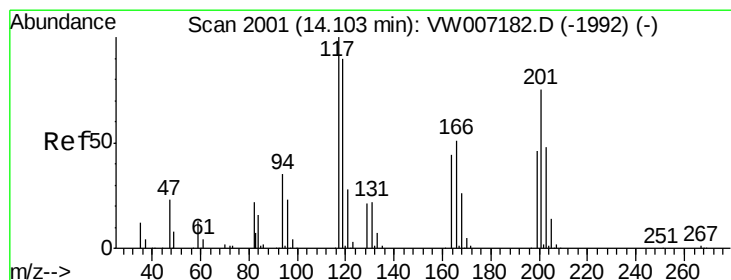
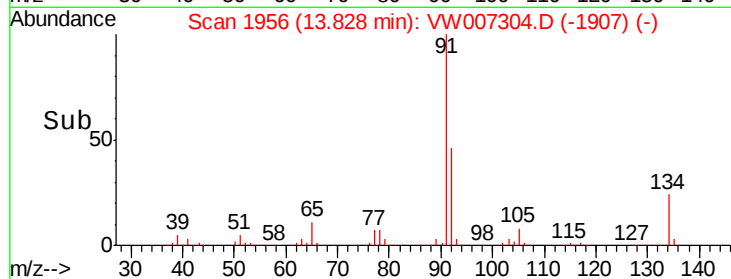
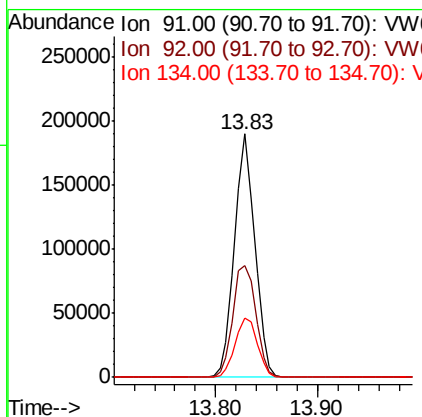
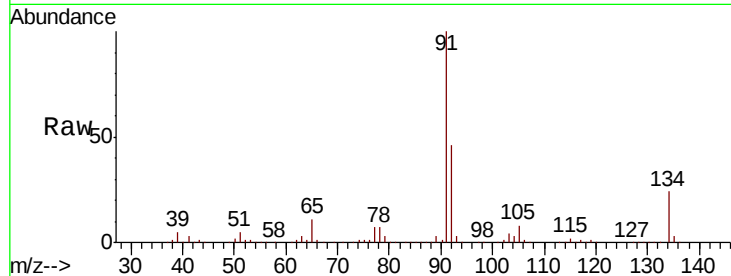
#89
n-Butylbenzene
Concen: 49.259 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.5	79.5
134	26.6	14.1	42.2

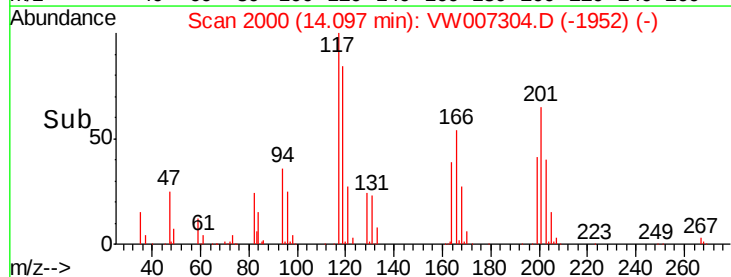
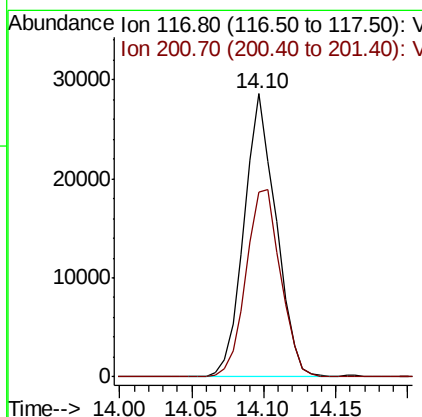
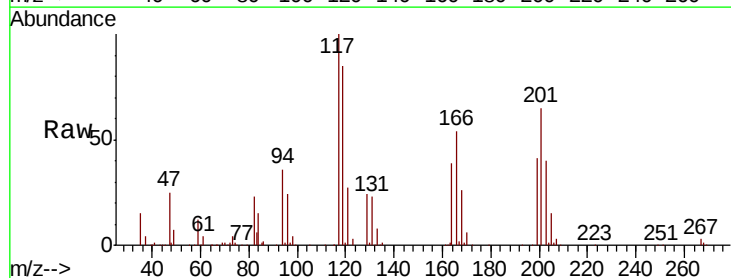
Manual Integrations
APPROVED

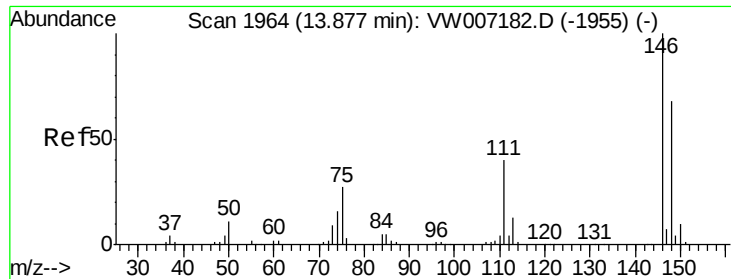
apatel
12/7/2018 12:20:10 PM



#90
Hexachloroethane
Concen: 50.632 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.01 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.4	36.0	108.1





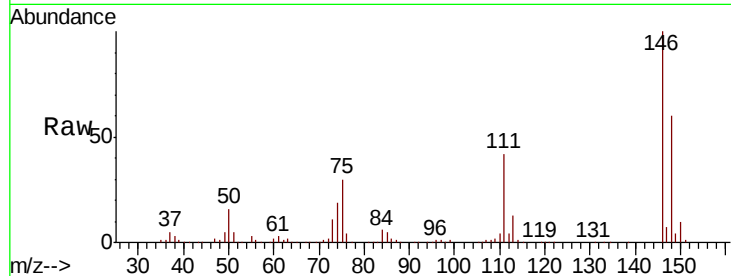
#91
 1,2-Dichlorobenzene
 Concen: 52.943 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: VW007304.D
 Acq: 07 Dec 2018 02:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.6	65.0
148	62.0	32.7	98.1

Manual Integrations
 APPROVED

apatel
 12/7/2018 12:20:10 PM

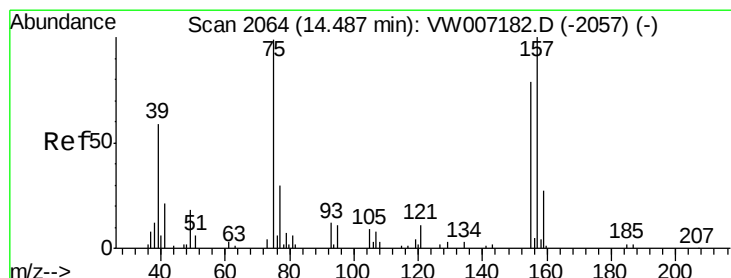
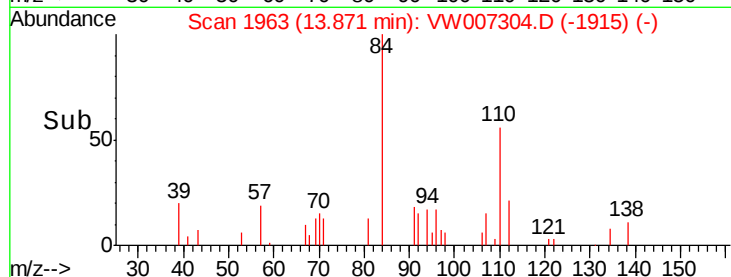
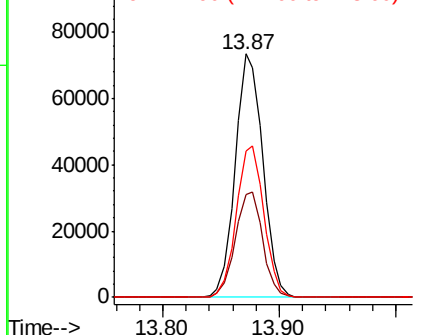


Abundance

Ion 145.90 (145.60 to 146.60): V

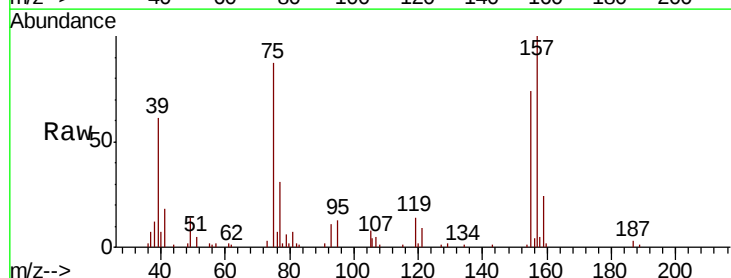
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.268 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW007304.D
 Acq: 07 Dec 2018 02:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.7	42.4	127.2
157	107.7	55.3	165.9

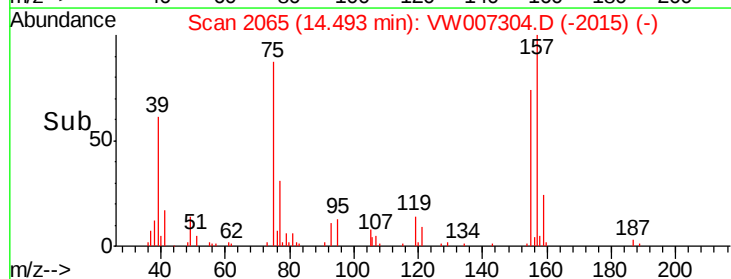
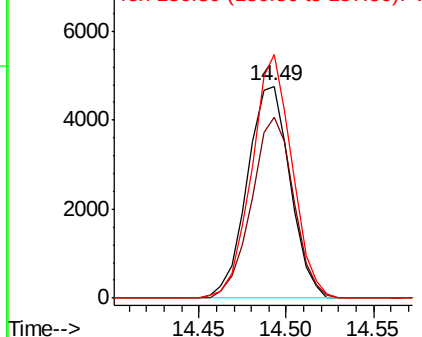


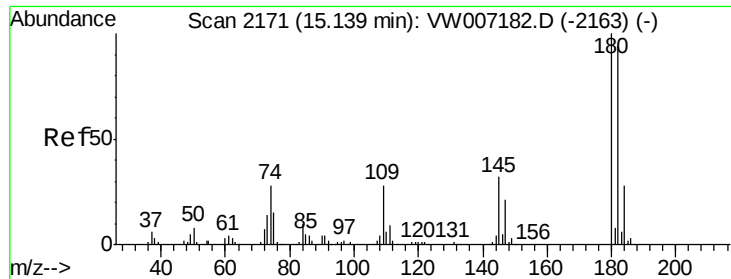
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





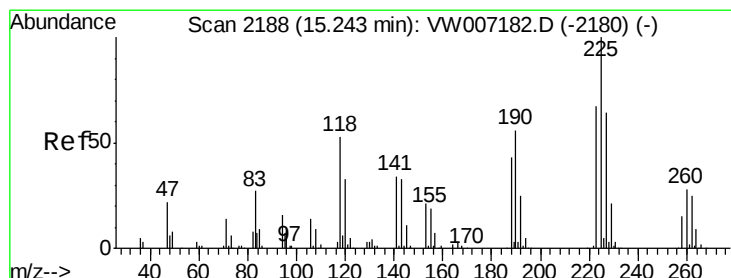
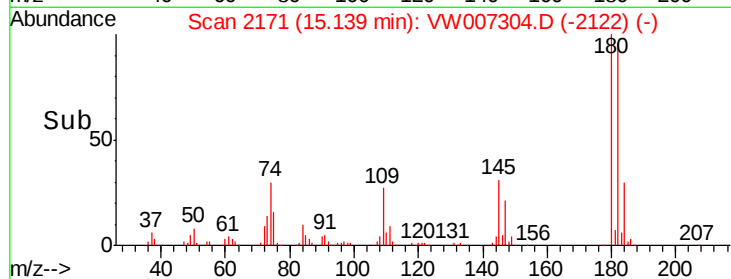
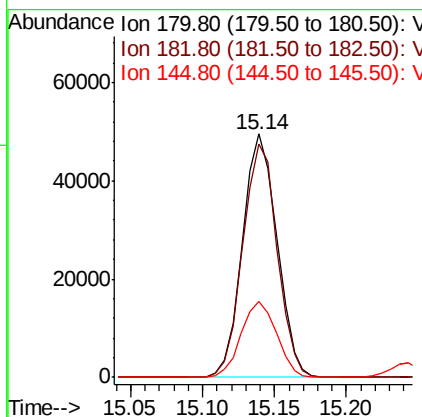
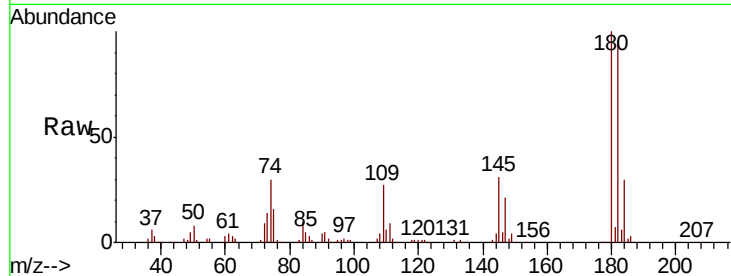
#93
1,2,4-Trichlorobenzene
Concen: 51.639 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.8
145	32.1	16.6	49.7

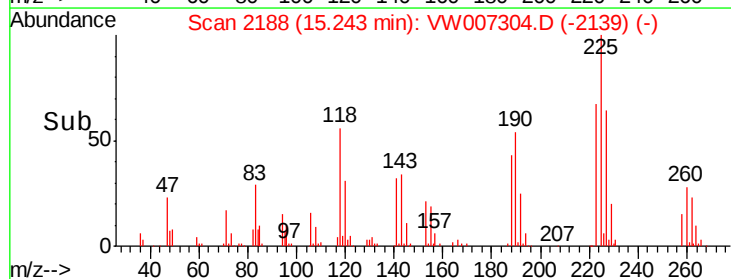
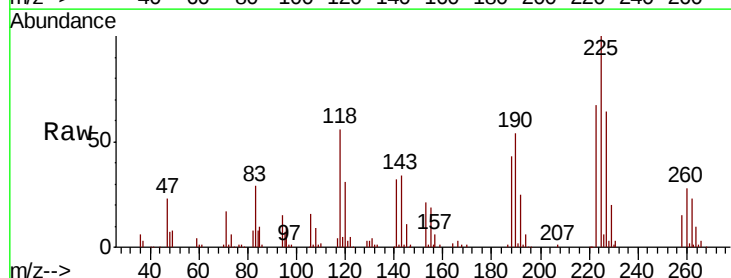
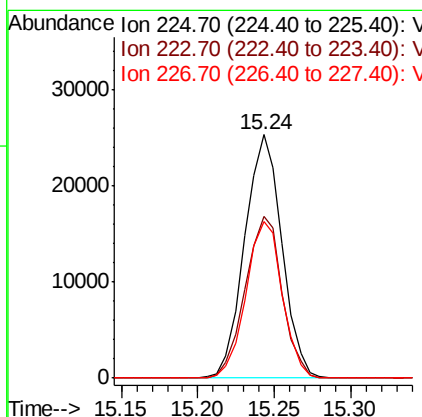
Manual Integrations
APPROVED

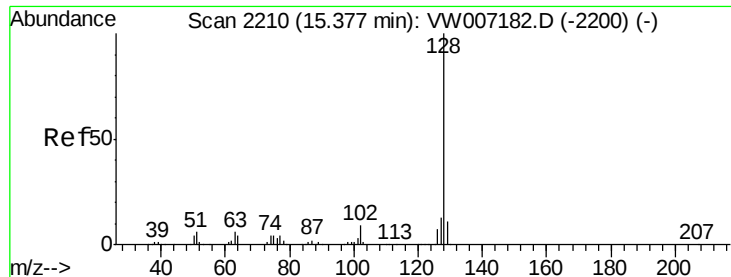
apatel
12/7/2018 12:20:10 PM



#94
Hexachlorobutadiene
Concen: 49.714 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.9	32.3	96.8
227	62.9	32.1	96.3





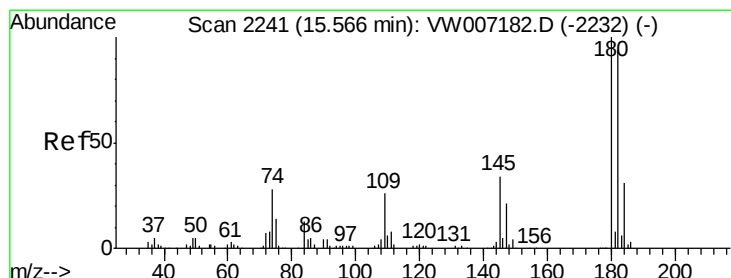
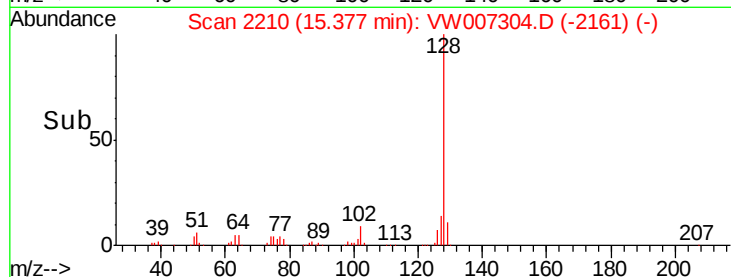
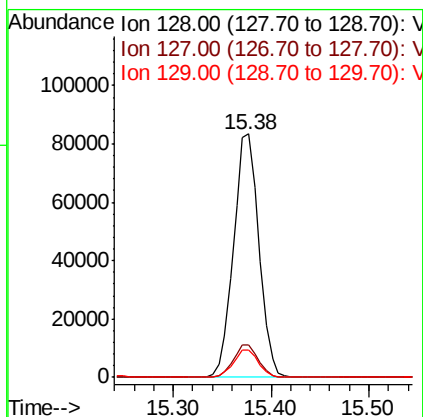
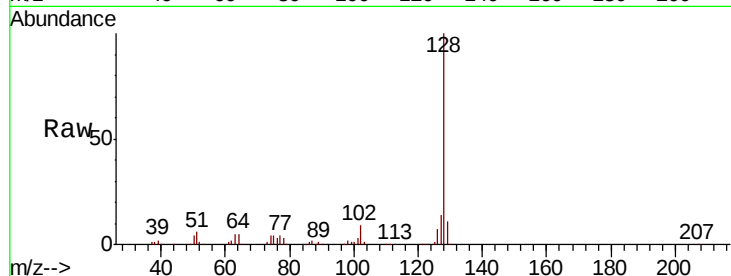
#95
Naphthalene
Concen: 52.583 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.1	8.6	13.0

Manual Integrations
APPROVED

apatel
12/7/2018 12:20:10 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.241 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007304.D
Acq: 07 Dec 2018 02:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.4	142.2
145	34.1	17.6	52.8

