

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121918\
 Data File : VW007623.D
 Acq On : 17 Dec 2018 11:15
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/18/2018 11:30:45 AM

Quant Time: Dec 18 07:19:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	79505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	128002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	112500	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	53931	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	41229	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	
35) Dibromofluoromethane	7.88	113	39063	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
50) Toluene-d8	10.32	98	151863	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.62	95	56633	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	26702	48.061	ug/l	99
3) Chloromethane	2.21	50	20441	43.930	ug/l	98
4) Vinyl Chloride	2.37	62	28632	52.435	ug/l	97
5) Bromomethane	2.78	94	18077	49.272	ug/l	94
6) Chloroethane	2.93	64	15708	52.259	ug/l	97
7) Trichlorofluoromethane	3.26	101	29742	60.584	ug/l	96
8) Diethyl Ether	3.68	74	18023	46.906	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41401	51.110	ug/l	99
10) Methyl Iodide	4.26	142	65568	48.873	ug/l	97
11) Tert butyl alcohol	5.17	59	11651	192.331	ug/l	97
12) 1,1-Dichloroethene	4.03	96	39843	51.086	ug/l	99
13) Acrolein	3.89	56	10510	262.200	ug/l	97
14) Allyl chloride	4.66	41	57247	49.797	ug/l	98
15) Acrylonitrile	5.36	53	34948	215.758	ug/l	97
16) Acetone	4.12	43	42660	276.893	ug/l	99
17) Carbon Disulfide	4.37	76	119974	50.734	ug/l	100
18) Methyl Acetate	4.67	43	17179	41.083	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	54382	46.221	ug/l	95
20) Methylene Chloride	4.91	84	40338	47.697	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	42770	49.022	ug/l	98
22) Diisopropyl ether	6.31	45	105098	47.561	ug/l	97
23) Vinyl Acetate	6.25	43	289138	233.934	ug/l	100
24) 1,1-Dichloroethane	6.21	63	72584	48.601	ug/l	100
25) 2-Butanone	7.16	43	47199	234.663	ug/l	97
26) 2,2-Dichloropropane	7.16	77	55717	56.370	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	46568	48.747	ug/l	97
28) Bromochloromethane	7.51	49	26670	47.476	ug/l	100
29) Tetrahydrofuran	7.52	42	26371	207.105	ug/l	97
30) Chloroform	7.67	83	78497	48.298	ug/l	98
31) Cyclohexane	7.96	56	64191	46.846	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	73945	51.882	ug/l	99
36) 1,1-Dichloropropene	8.08	75	62868	53.840	ug/l	98
37) Ethyl Acetate	7.25	43	19371	44.603	ug/l	97
38) Carbon Tetrachloride	8.07	117	71794	56.507	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV121918\
 Data File : VW007623.D
 Acq On : 17 Dec 2018 11:15
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/18/2018 11:30:45 AM

Quant Time: Dec 18 07:19:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	79119	55.957	ug/l	91
40) Benzene	8.32	78	167879	51.806	ug/l	99
41) Methacrylonitrile	7.48	41	11962	48.367	ug/l	99
42) 1,2-Dichloroethane	8.40	62	50898	50.001	ug/l	100
43) Isopropyl Acetate	8.42	43	39604	46.165	ug/l	100
44) Trichloroethene	9.09	130	49092	53.052	ug/l	97
45) 1,2-Dichloropropane	9.37	63	38127	50.843	ug/l	97
46) Dibromomethane	9.46	93	20977	49.259	ug/l	96
47) Bromodichloromethane	9.65	83	58562	52.427	ug/l	92
48) Methyl methacrylate	9.44	41	19280	43.760	ug/l	95
49) 1,4-Dioxane	9.45	88	6495	939.976	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	93550	230.790	ug/l	99
52) Toluene	10.39	92	110282	52.588	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	56782	52.361	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	64645	51.567	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	29473	50.852	ug/l	93
56) Ethyl methacrylate	10.65	69	34365	49.330	ug/l	100
57) 1,3-Dichloropropane	10.93	76	49040	51.550	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	87814	273.347	ug/l	99
59) 2-Hexanone	10.97	43	70350	260.280	ug/l	100
60) Dibromochloromethane	11.13	129	38740	52.964	ug/l	98
61) 1,2-Dibromoethane	11.24	107	27856	48.634	ug/l	96
64) Tetrachloroethene	10.87	164	38434	47.507	ug/l	94
65) Chlorobenzene	11.66	112	121804	51.945	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.73	131	43289	52.417	ug/l	98
67) Ethyl Benzene	11.73	91	221031	54.827	ug/l	93
68) m/p-Xylenes	11.84	106	168049	107.225	ug/l	99
69) o-Xylene	12.17	106	78401	53.563	ug/l	95
70) Styrene	12.18	104	129319	54.699	ug/l	97
71) Bromoform	12.35	173	21011	49.706	ug/l	# 97
73) Isopropylbenzene	12.47	105	228984	55.412	ug/l	99
74) N-amyl acetate	12.27	43	35978	47.905	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	29977	48.978	ug/l	94
76) 1,2,3-Trichloropropane	12.77	75	19434m	43.704	ug/l	
77) Bromobenzene	12.75	156	47256	51.590	ug/l	95
78) n-propylbenzene	12.81	91	264357	56.843	ug/l	100
79) 2-Chlorotoluene	12.90	91	150793	53.587	ug/l	97
80) 1,3,5-Trimethylbenzene	12.95	105	193430	55.708	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	10470	52.012	ug/l	92
82) 4-Chlorotoluene	12.99	91	160327	54.050	ug/l	98
83) tert-Butylbenzene	13.21	119	172971	56.535	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	193789	54.235	ug/l	98
85) sec-Butylbenzene	13.39	105	238440	57.089	ug/l	96
86) p-Isopropyltoluene	13.51	119	213913	57.011	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	97122	53.180	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	96739	52.689	ug/l	97
89) n-Butylbenzene	13.83	91	199540	57.365	ug/l	98
90) Hexachloroethane	14.10	117	38867	58.217	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	84391	51.592	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5996	48.817	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121918\
Data File : VW007623.D
Acq On : 17 Dec 2018 11:15
Operator : SY/AP
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

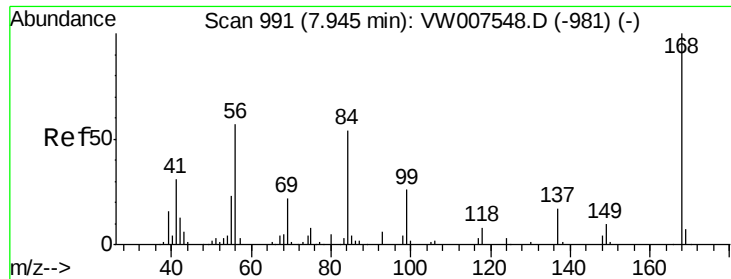
Manual Integrations
APPROVED

apatel
12/18/2018 11:30:45 AM

Quant Time: Dec 18 07:19:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	58512	51.978	ug/l	93
94) Hexachlorobutadiene	15.24	225	31853	53.330	ug/l	98
95) Naphthalene	15.38	128	102408	47.554	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	48864	49.970	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007623.D

Acq: 17 Dec 2018 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 79505

Ion Ratio Lower Upper

168 100

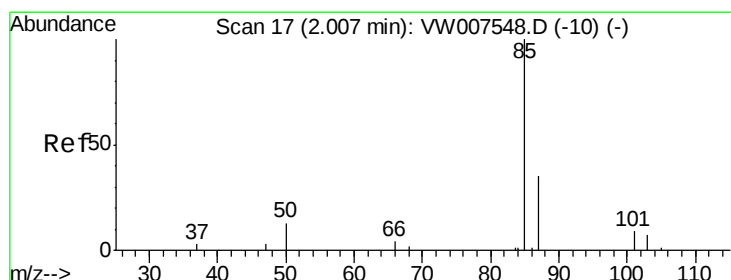
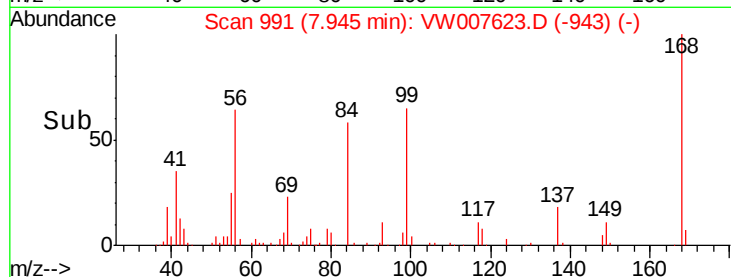
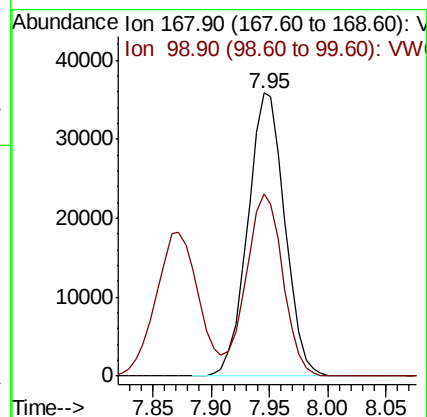
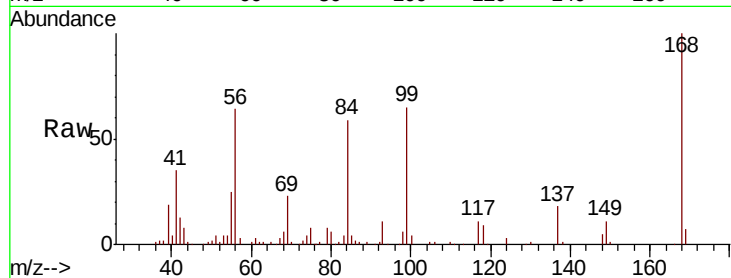
99 64.6 48.3 72.5

Manual Integrations

APPROVED

apatel

12/18/2018 11:30:45 AM



#2

Dichlorodifluoromethane

Concen: 48.061 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW007623.D

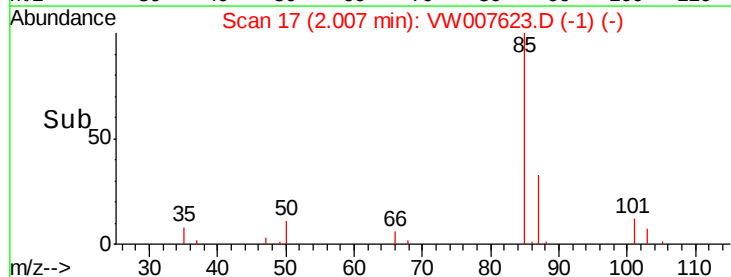
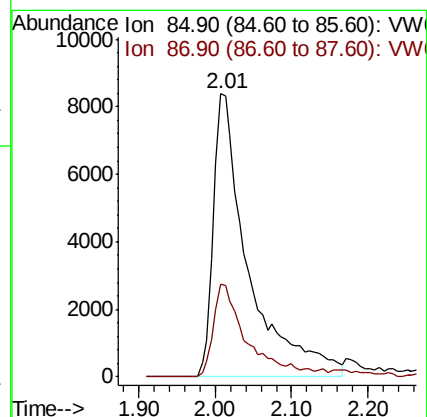
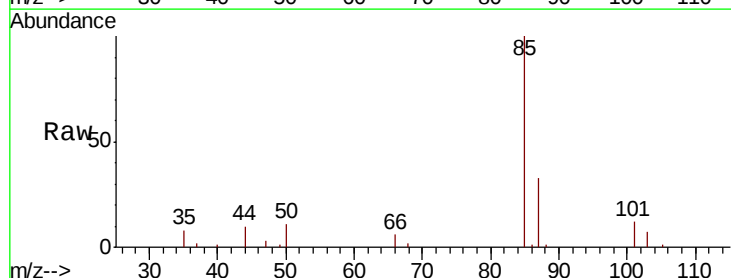
Acq: 17 Dec 2018 11:15

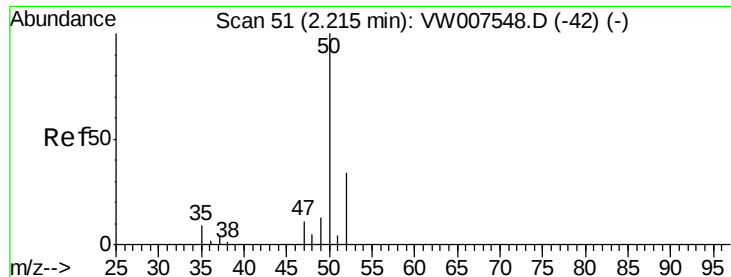
Tgt Ion: 85 Resp: 26702

Ion Ratio Lower Upper

85 100

87 32.8 16.6 49.7





#3

Chloromethane

Concen: 43.930 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007623.D

Acq: 17 Dec 2018 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 20441

Ion Ratio Lower Upper

50 100

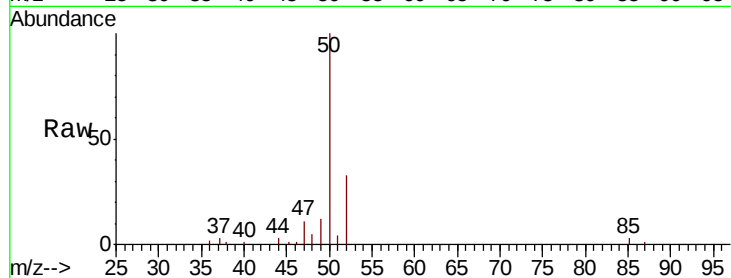
52 32.9 27.4 41.0

Manual Integrations

APPROVED

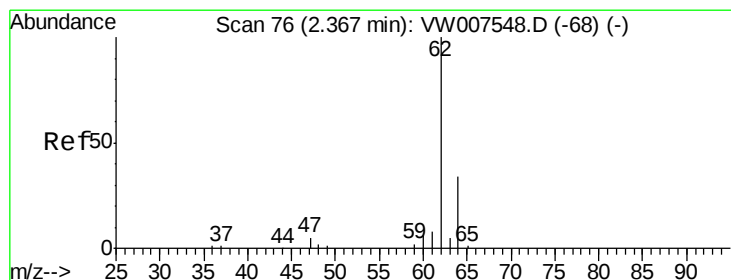
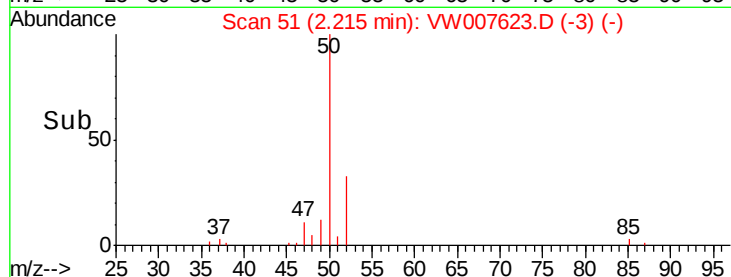
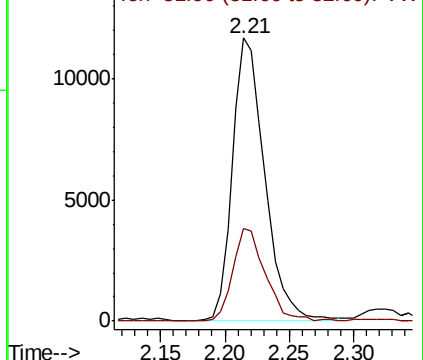
apatel

12/18/2018 11:30:45 AM



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 52.435 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007623.D

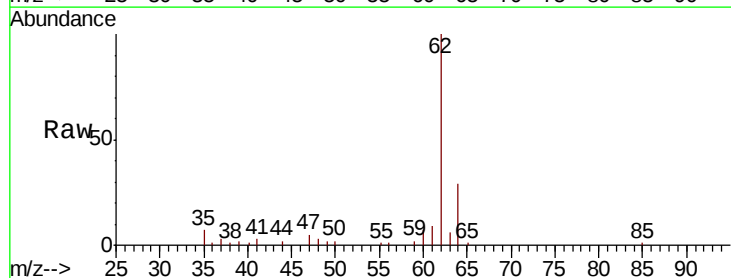
Acq: 17 Dec 2018 11:15

Tgt Ion: 62 Resp: 28632

Ion Ratio Lower Upper

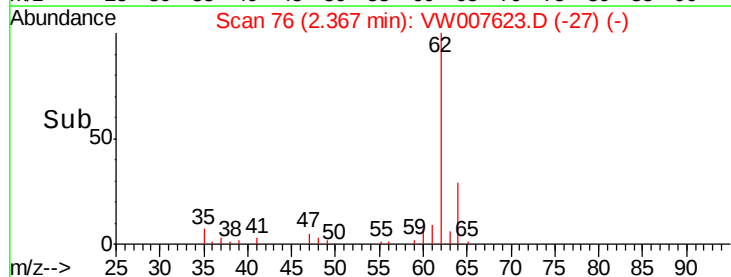
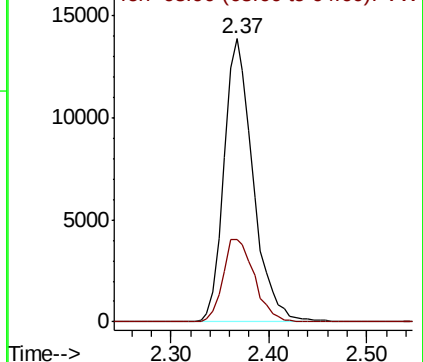
62 100

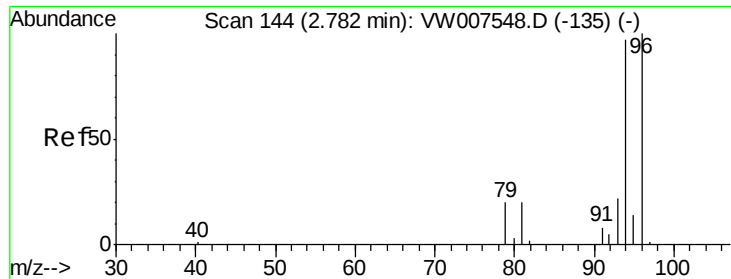
64 29.3 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





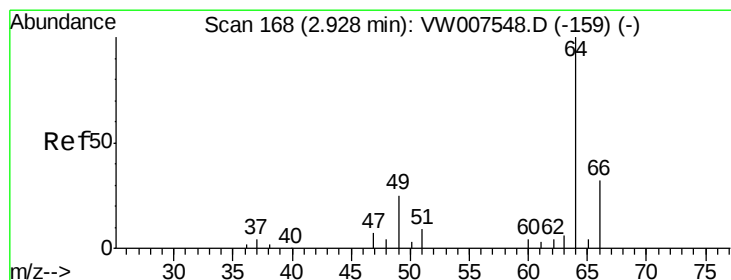
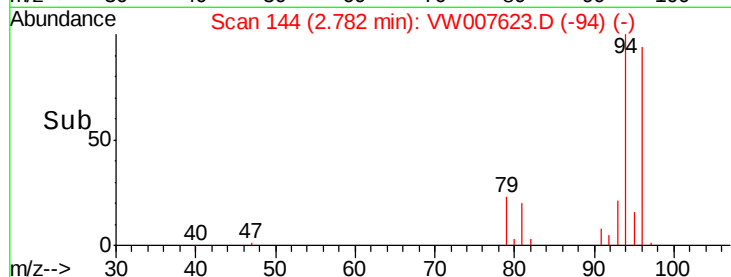
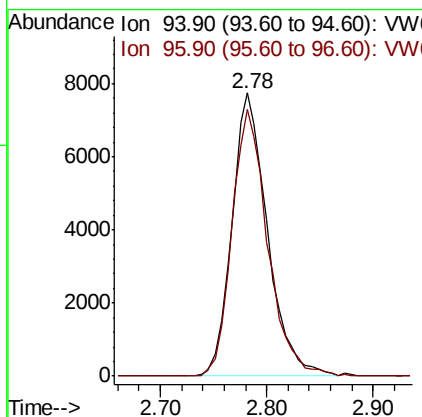
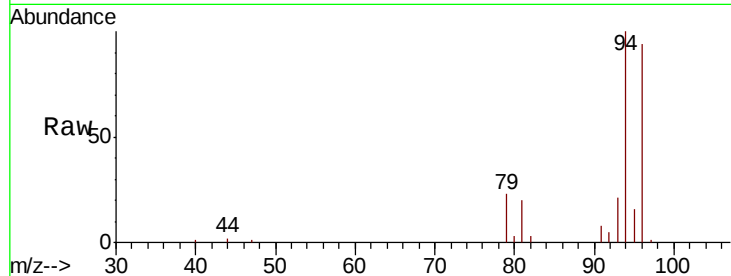
#5
Bromomethane
Concen: 49.272 ug/l
RT: 2.78 min Scan# 144
Delta R.T. 0.01 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 94 Resp: 18077
Ion Ratio Lower Upper
94 100
96 94.0 71.0 106.4

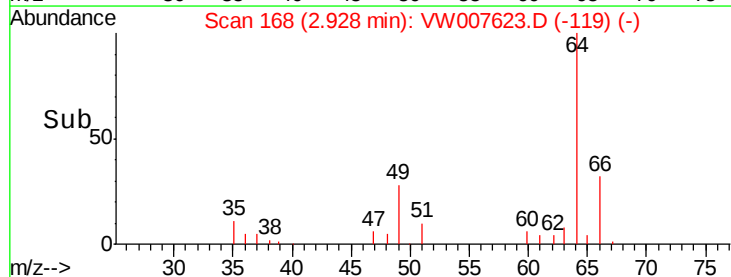
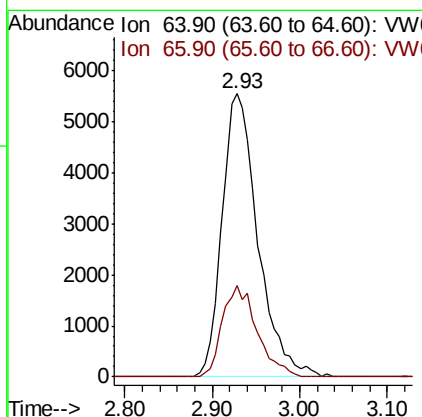
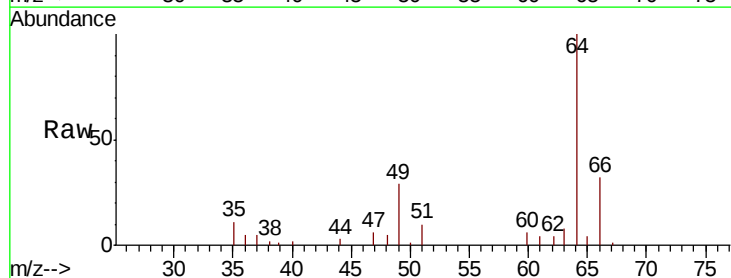
Manual Integrations
APPROVED

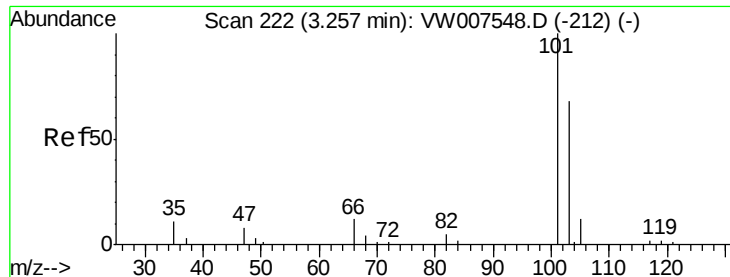
apatel
12/18/2018 11:30:45 AM



#6
Chloroethane
Concen: 52.259 ug/l
RT: 2.93 min Scan# 168
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Tgt Ion: 64 Resp: 15708
Ion Ratio Lower Upper
64 100
66 32.4 24.6 37.0





#7

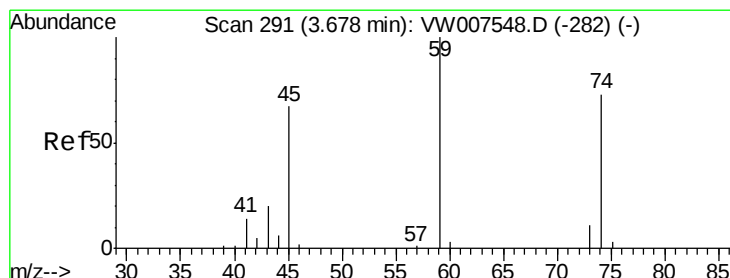
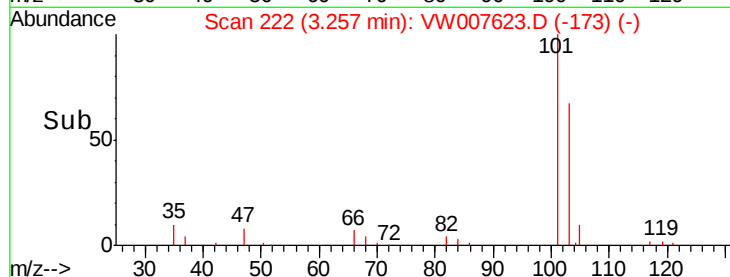
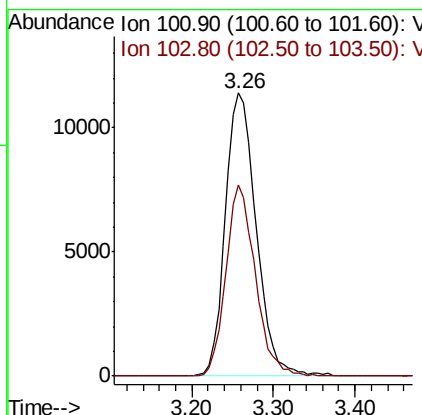
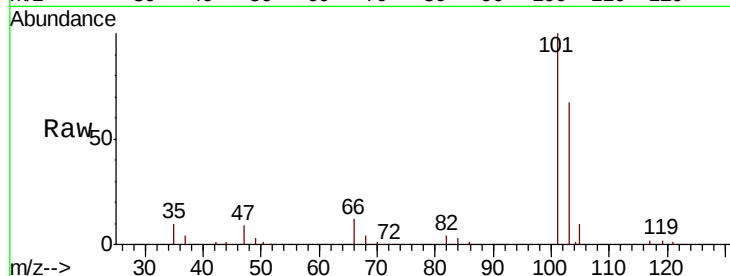
Trichlorofluoromethane
Concen: 60.584 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		29742		
103	67.5	51.7	77.5		

Manual Integrations
APPROVED

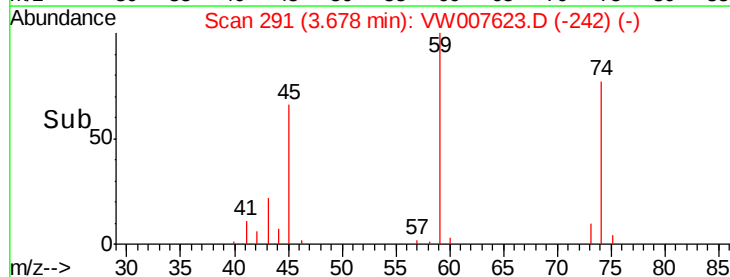
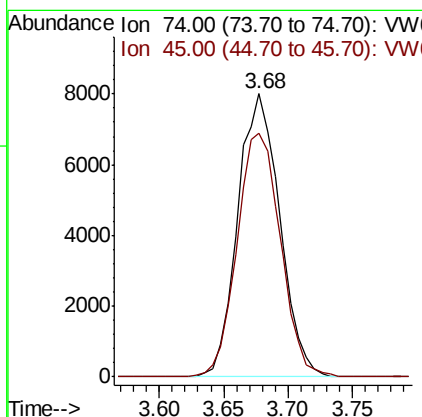
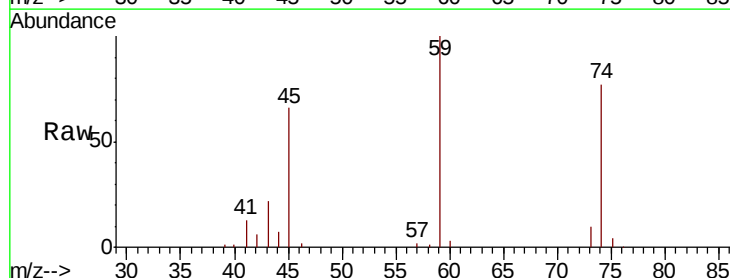
apatel
12/18/2018 11:30:45 AM

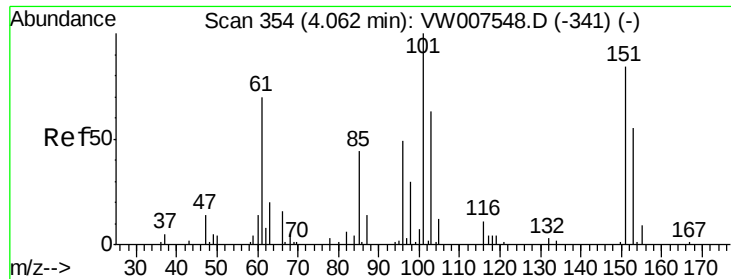


#8

Diethyl Ether
Concen: 46.906 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		18023		
45	89.3	43.0	129.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.110 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007623.D

Acq: 17 Dec 2018 11:15

Instrument :

MSVOA_W

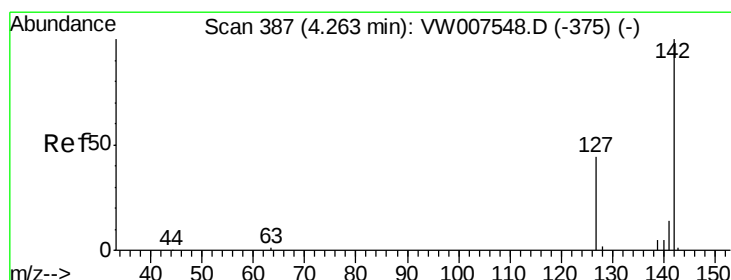
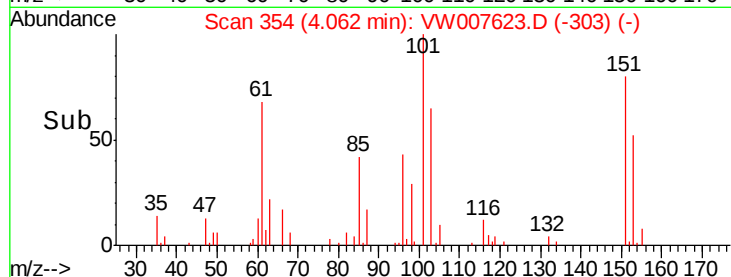
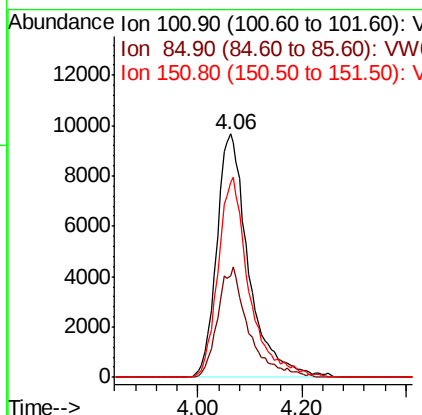
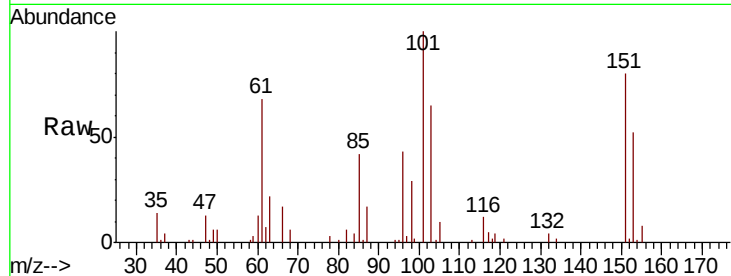
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	41401
Ion Ratio	Lower	Upper	
101	100		
85	43.8	33.9	50.9
151	80.2	63.7	95.5

Manual Integrations
APPROVED

apatel
12/18/2018 11:30:45 AM



#10

Methyl Iodide

Concen: 48.873 ug/l

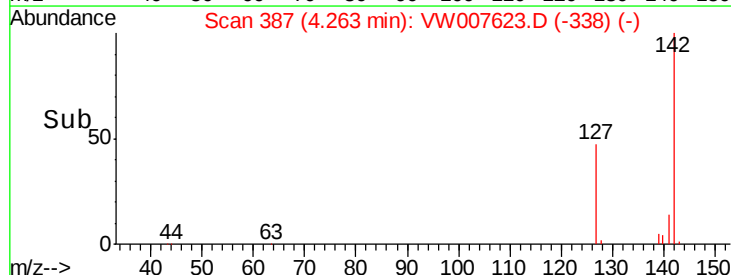
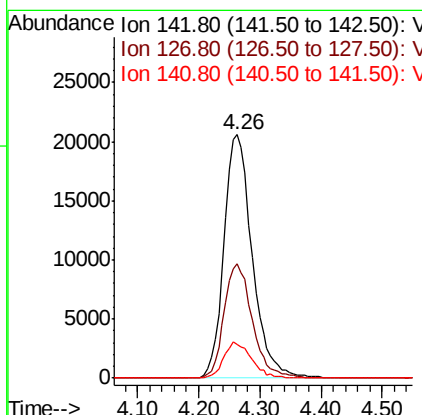
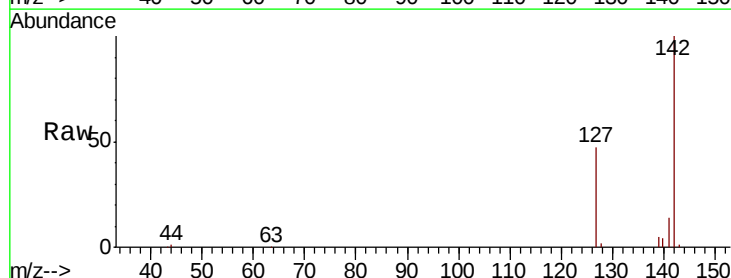
RT: 4.26 min Scan# 387

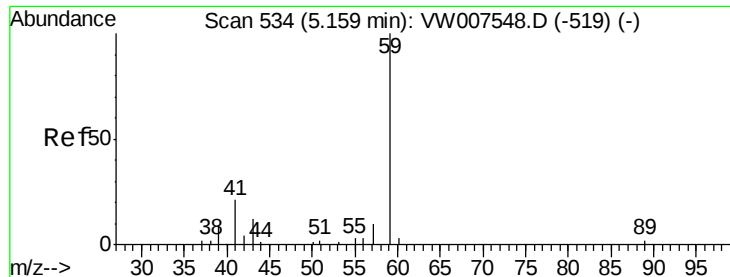
Delta R.T. -0.00 min

Lab File: VW007623.D

Acq: 17 Dec 2018 11:15

Tgt Ion:	142	Resp:	65568
Ion Ratio	Lower	Upper	
142	100		
127	46.9	35.8	53.6
141	14.6	11.1	16.7





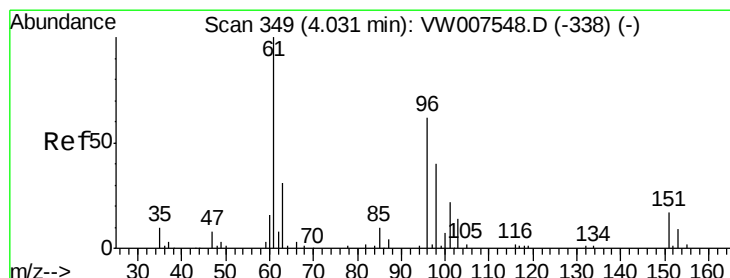
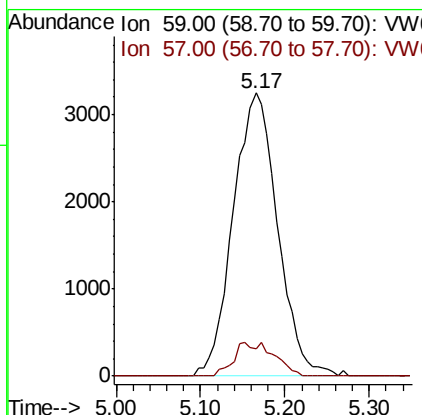
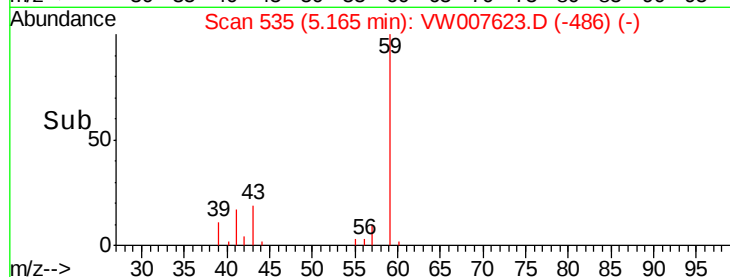
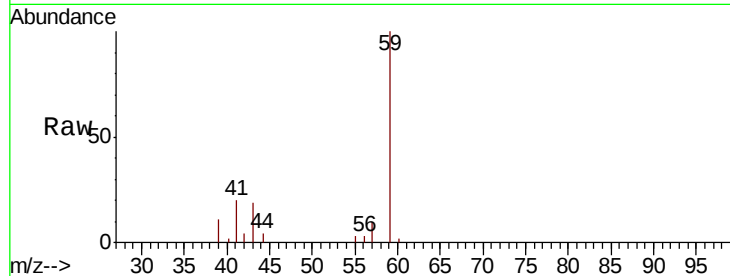
#11
Tert butyl alcohol
Concen: 192.331 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.8	Resp	11651	Lower	Upper
59	100								
57		10.8						7.6	11.4

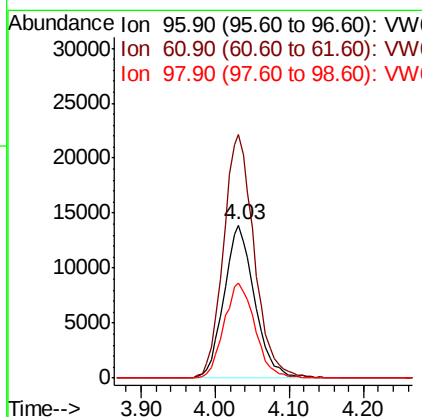
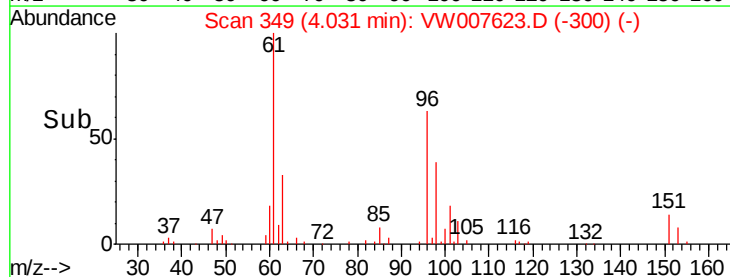
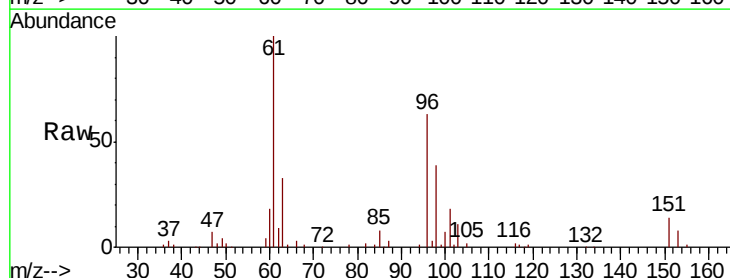
Manual Integrations
APPROVED

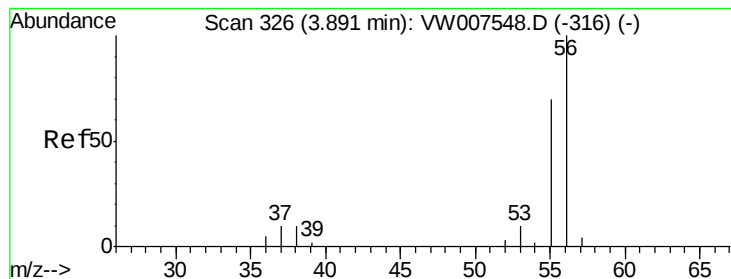
apatel
12/18/2018 11:30:45 AM



#12
1,1-Dichloroethene
Concen: 51.086 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Tgt Ion	96	61	98	Ratio	100	159.1	62.2	Resp	39843	Lower	Upper
96	100										
61		159.1								126.2	189.2
98		62.2								48.3	72.5





#13

Acrolein

Concen: 262.200 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007623.D

Acq: 17 Dec 2018 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 10510

Ion Ratio Lower Upper

56 100

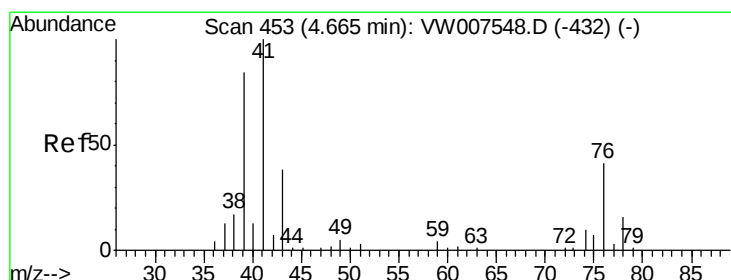
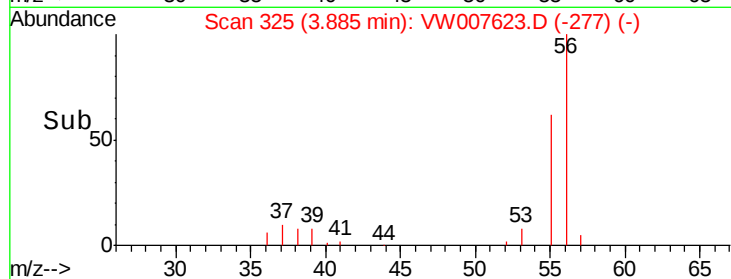
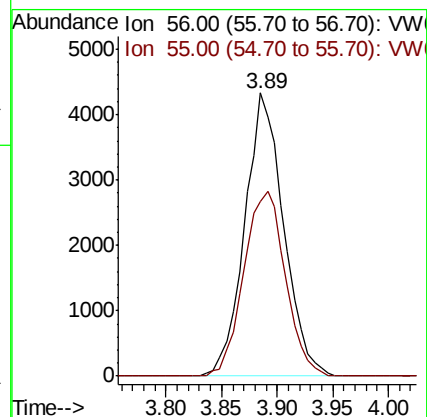
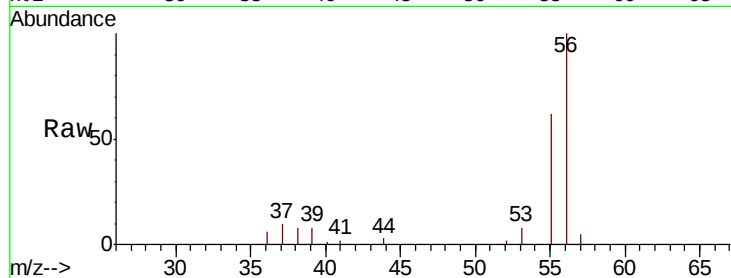
55 69.6 57.4 86.2

Manual Integrations

APPROVED

apatel

12/18/2018 11:30:45 AM



#14

Allyl chloride

Concen: 49.797 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007623.D

Acq: 17 Dec 2018 11:15

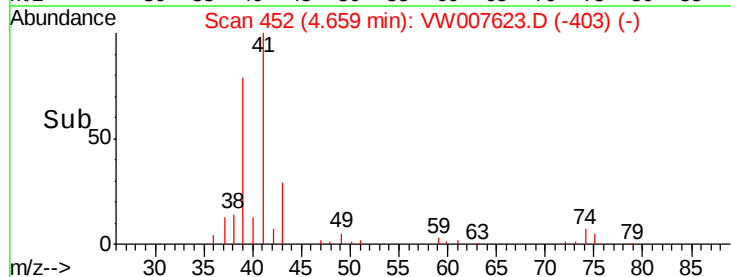
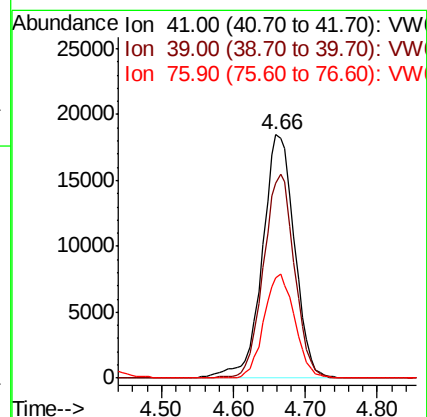
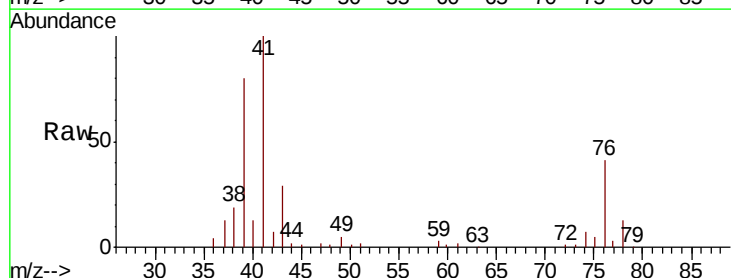
Tgt Ion: 41 Resp: 57247

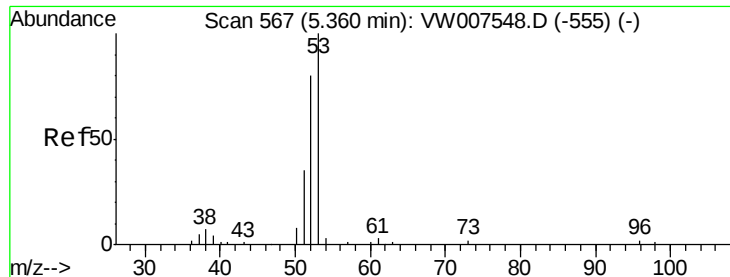
Ion Ratio Lower Upper

41 100

39 80.9 63.4 95.2

76 41.0 32.1 48.1





#15

Acrylonitrile

Concen: 215.758 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW007623.D

Acq: 17 Dec 2018 11:15

Instrument :

MSVOA_W

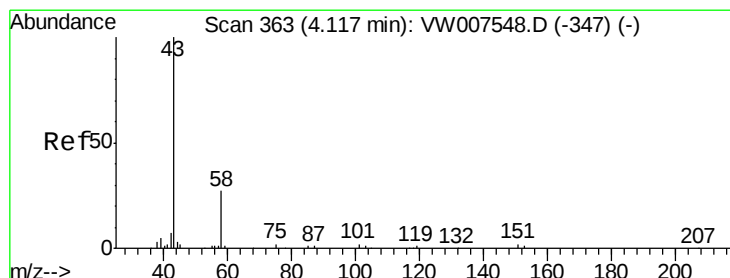
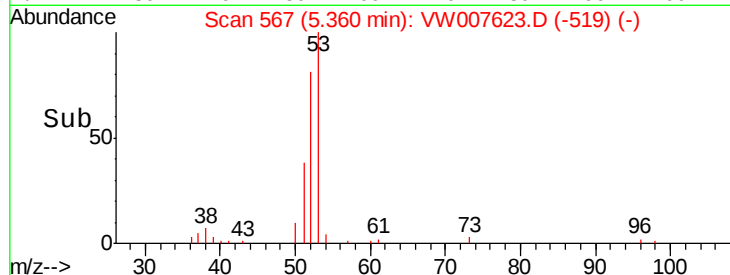
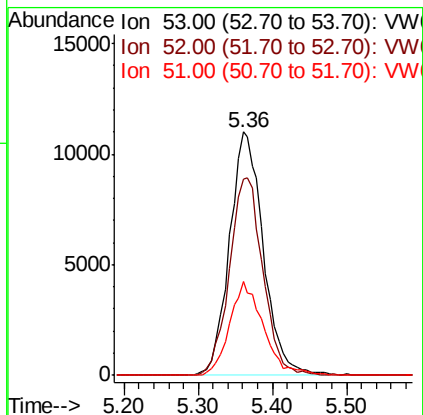
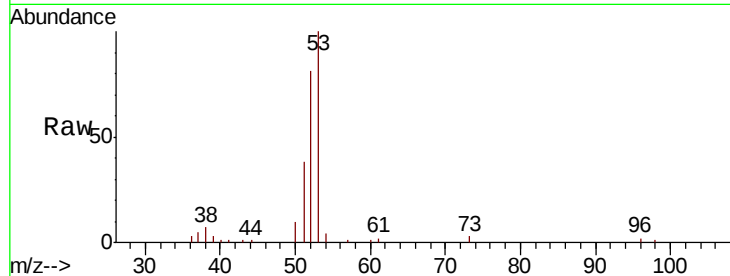
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	34948
Ion	Ratio	Lower	Upper
53	100		
52	80.4	67.4	101.2
51	38.4	30.2	45.2

Manual Integrations
APPROVED

apatel
12/18/2018 11:30:45 AM



#16

Acetone

Concen: 276.893 ug/l

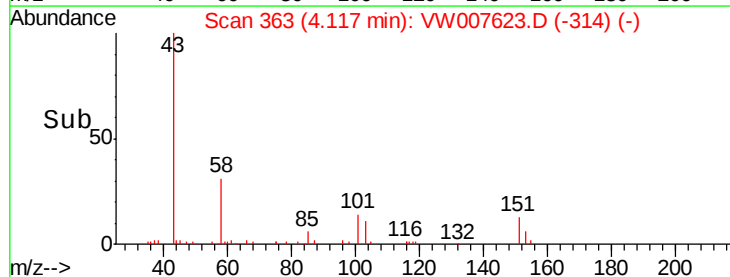
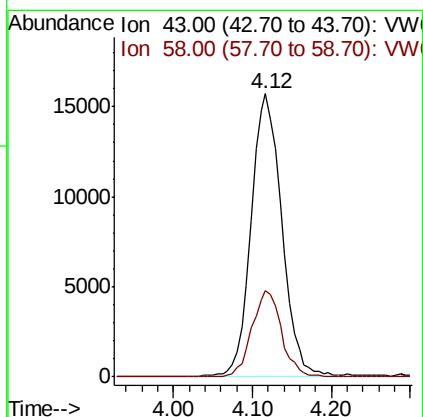
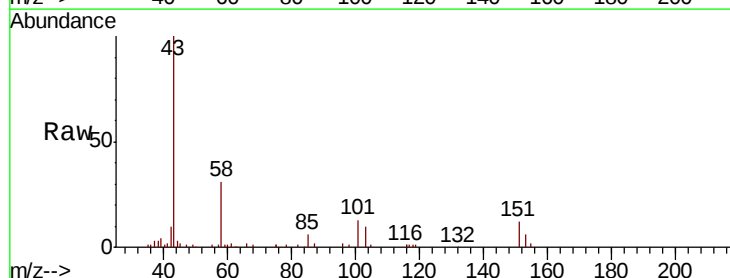
RT: 4.12 min Scan# 363

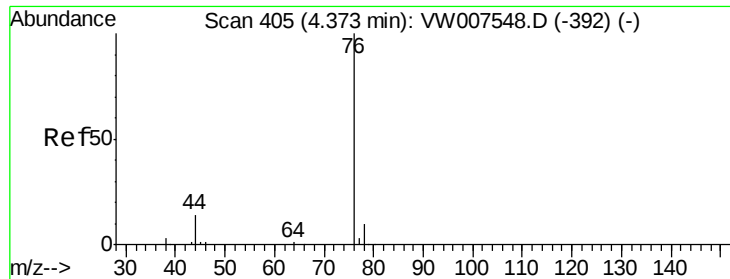
Delta R.T. -0.00 min

Lab File: VW007623.D

Acq: 17 Dec 2018 11:15

Tgt Ion:	43	Resp:	42660
Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.9	37.3





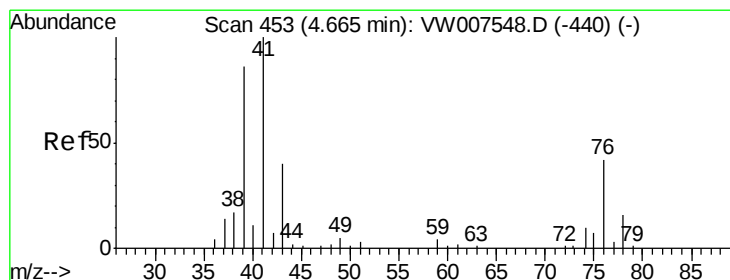
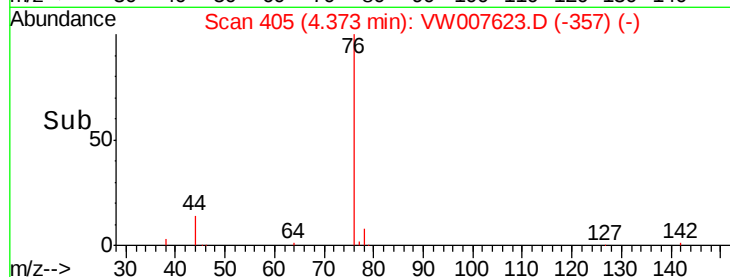
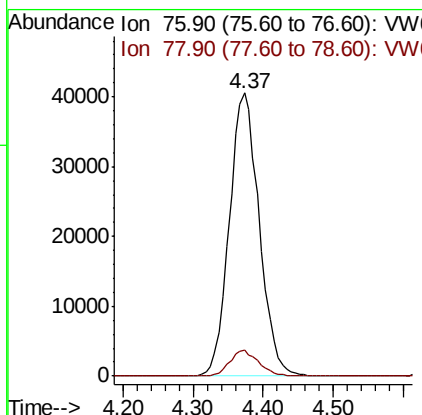
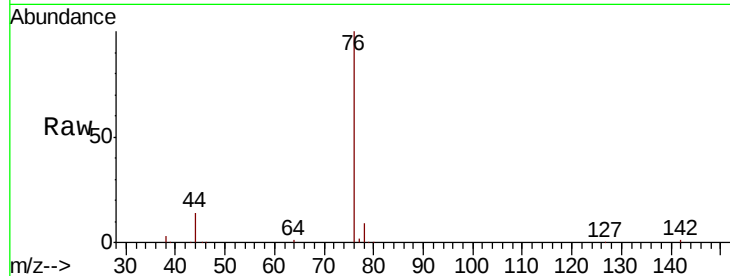
#17
Carbon Disulfide
Concen: 50.734 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

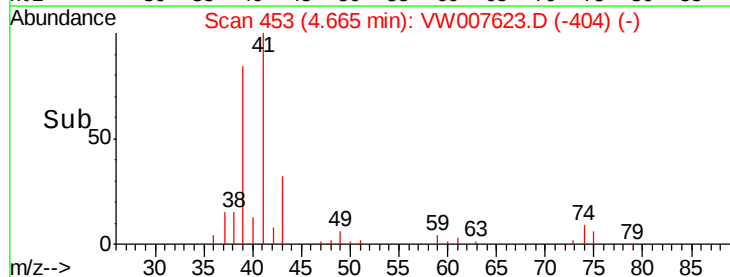
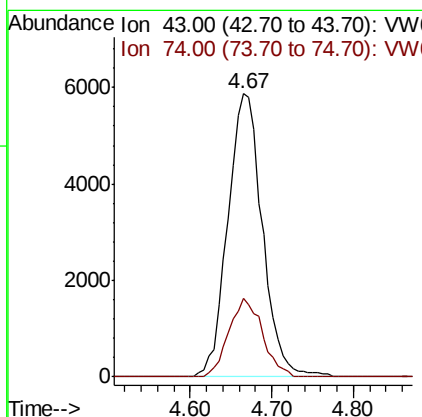
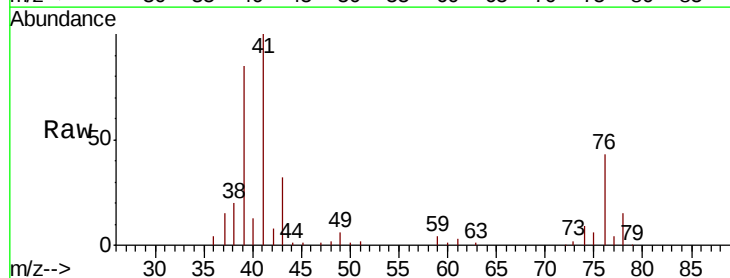
Manual Integrations
APPROVED

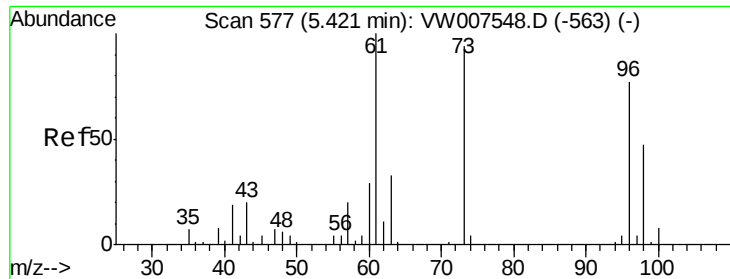
apatel
12/18/2018 11:30:45 AM



#18
Methyl Acetate
Concen: 41.083 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.8	21.1	31.7





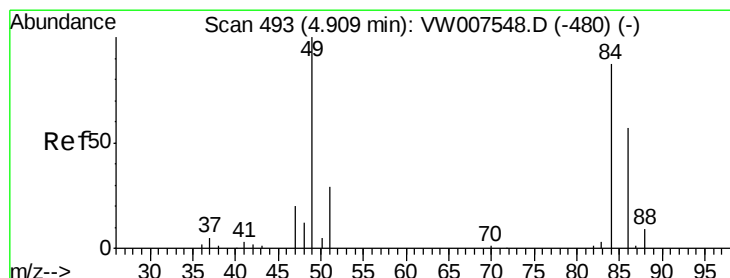
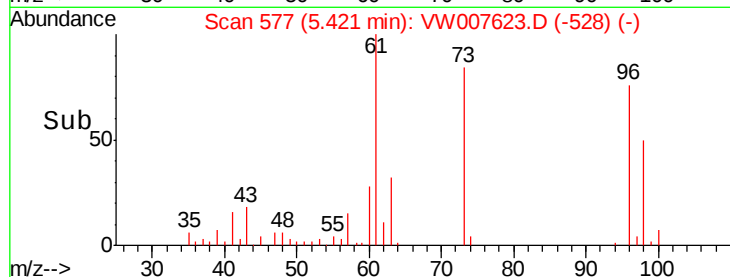
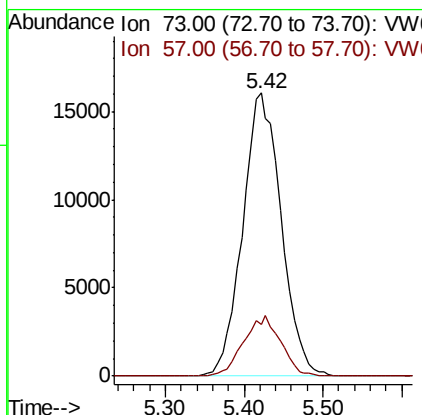
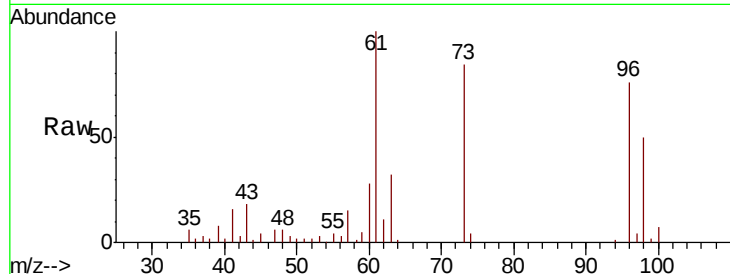
#19
Methyl tert-butyl Ether
Concen: 46.221 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 54382
Ion Ratio Lower Upper
73 100
57 18.2 16.4 24.6

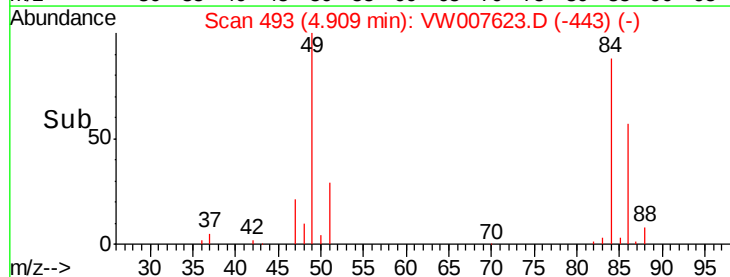
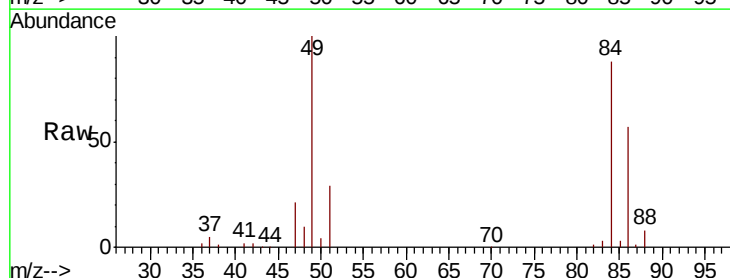
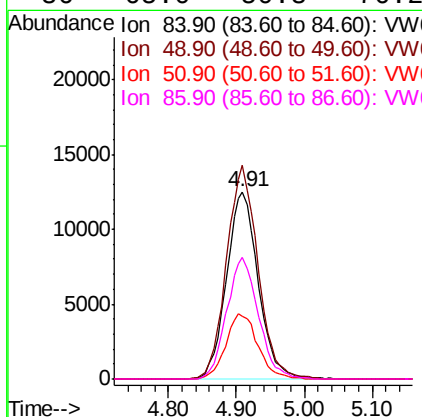
Manual Integrations
APPROVED

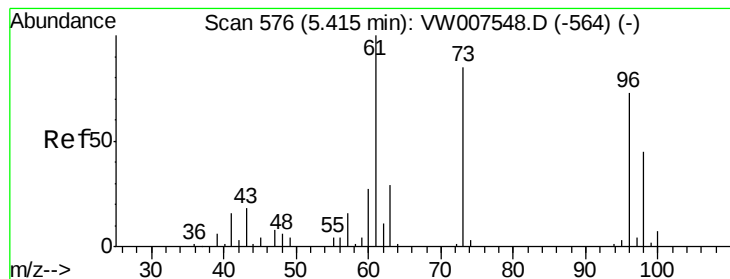
apatel
12/18/2018 11:30:45 AM



#20
Methylene Chloride
Concen: 47.697 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Tgt Ion: 84 Resp: 40338
Ion Ratio Lower Upper
84 100
49 114.2 87.1 130.7
51 33.6 28.2 42.2
86 65.0 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 49.022 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW007623.D

Acq: 17 Dec 2018 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 42770

Ion Ratio Lower Upper

96 100

61 131.9 105.0 157.6

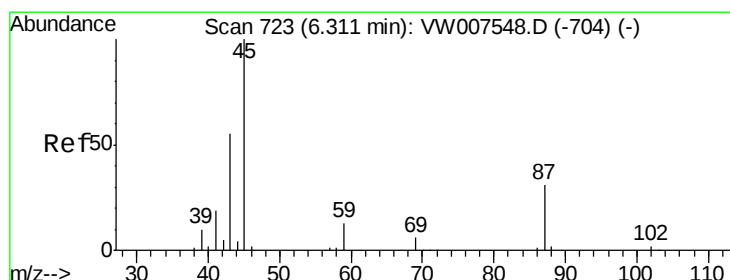
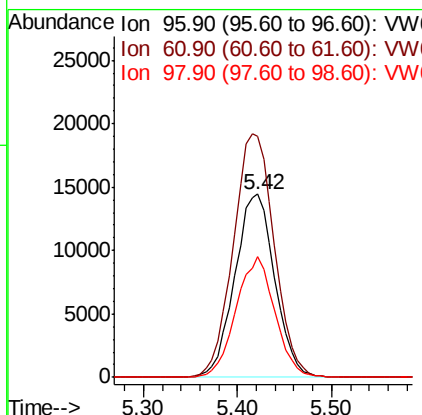
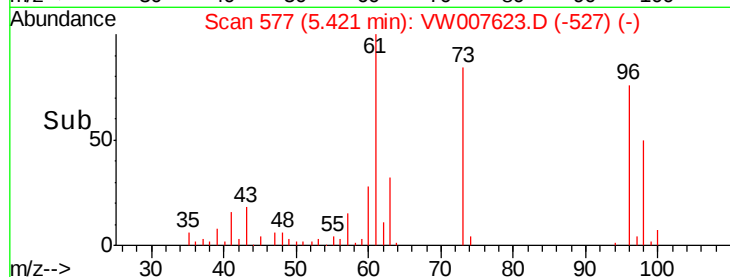
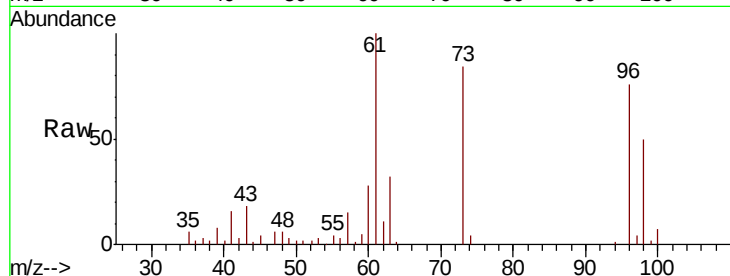
98 66.1 49.7 74.5

Manual Integrations

APPROVED

apatel

12/18/2018 11:30:45 AM



#22

Diisopropyl ether

Concen: 47.561 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007623.D

Acq: 17 Dec 2018 11:15

Tgt Ion: 45 Resp: 105098

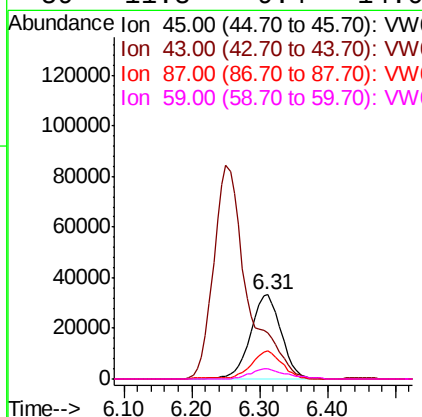
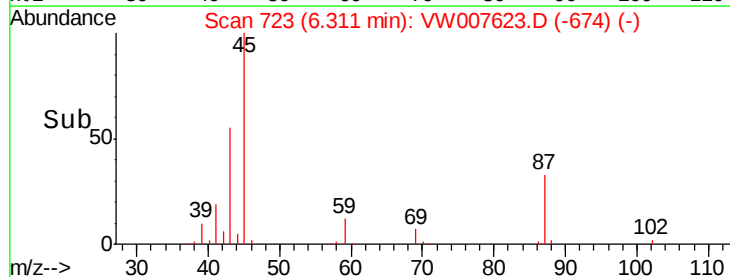
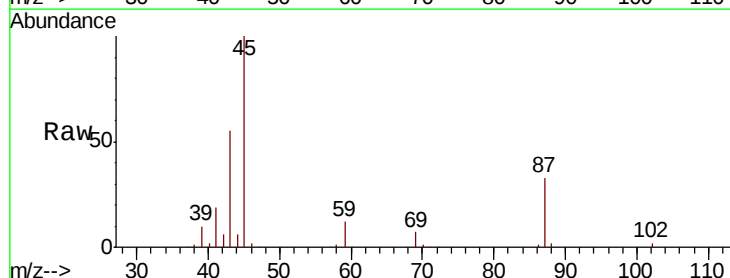
Ion Ratio Lower Upper

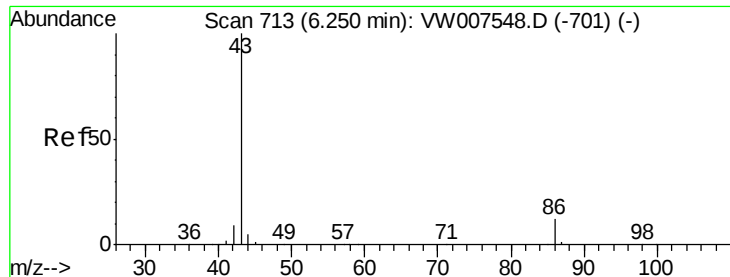
45 100

43 54.1 41.6 62.4

87 33.2 24.3 36.5

59 11.8 9.4 14.0





#23

Vinyl Acetate

Concen: 233.934 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW007623.D

Acq: 17 Dec 2018 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 289138

Ion Ratio Lower Upper

43 100

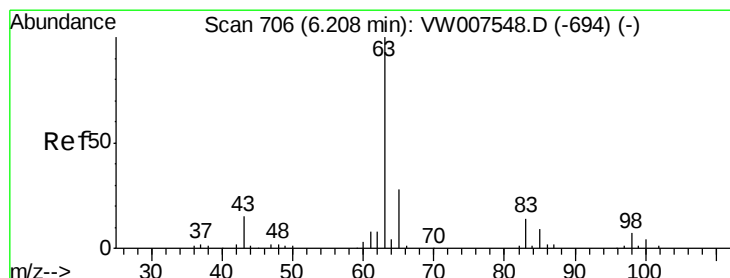
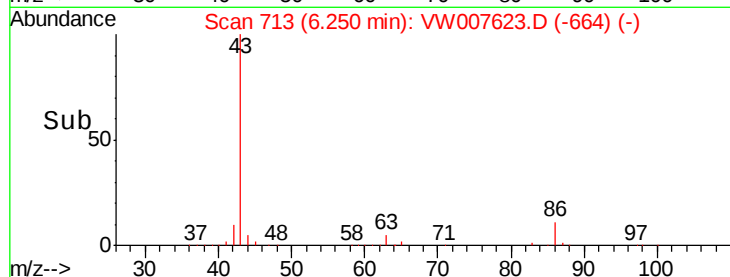
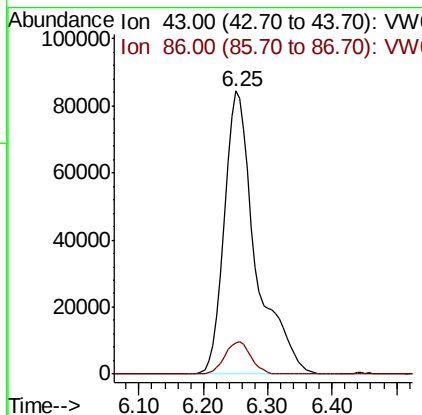
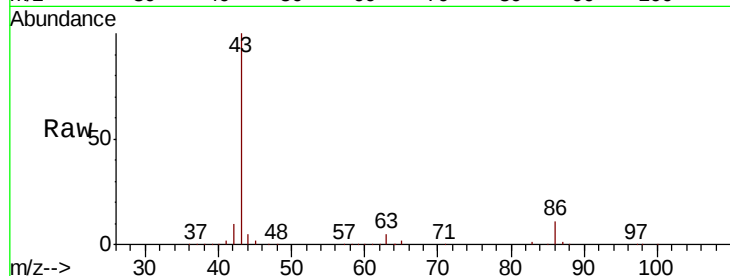
86 10.9 8.6 12.8

Manual Integrations

APPROVED

apatel

12/18/2018 11:30:45 AM



#24

1,1-Dichloroethane

Concen: 48.601 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW007623.D

Acq: 17 Dec 2018 11:15

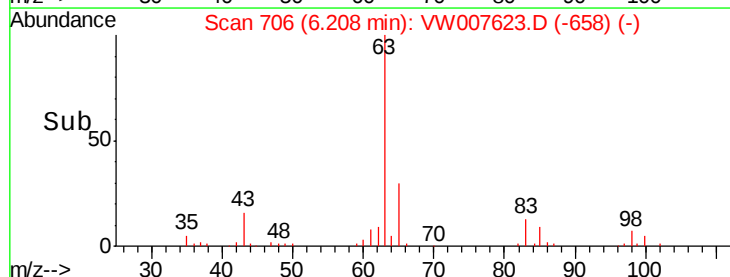
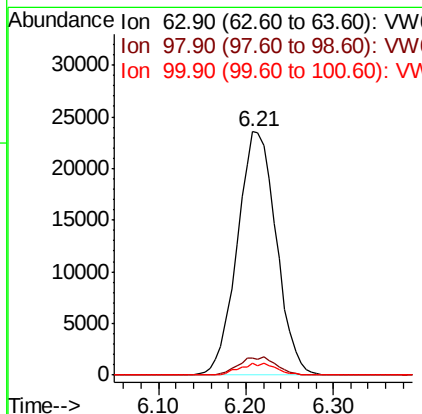
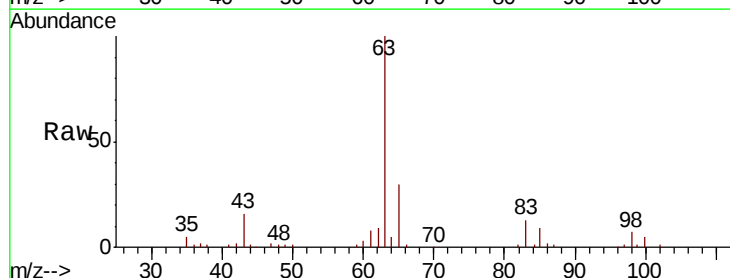
Tgt Ion: 63 Resp: 72584

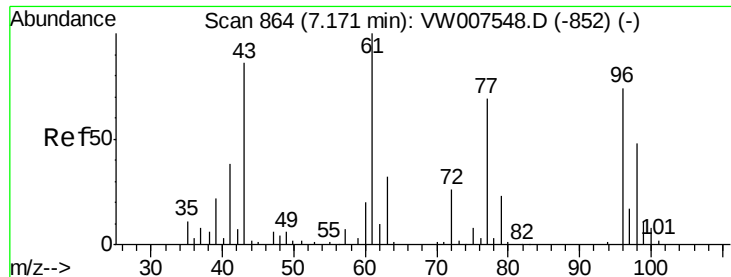
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 4.7 2.5 7.5





#25

2-Butanone

Concen: 234.663 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW007623.D

Acq: 17 Dec 2018 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 47199

Ion Ratio Lower Upper

43 100

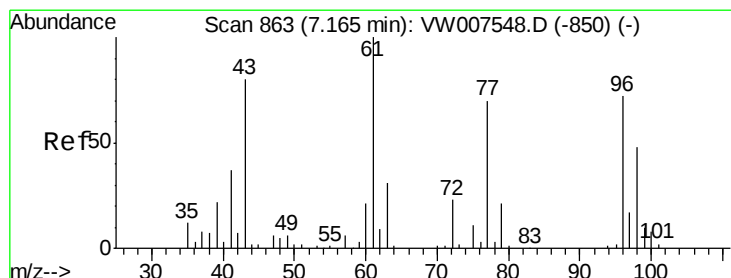
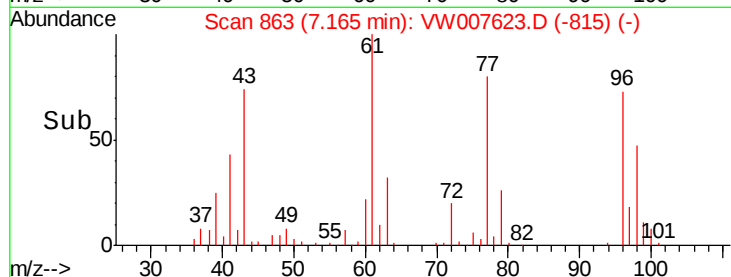
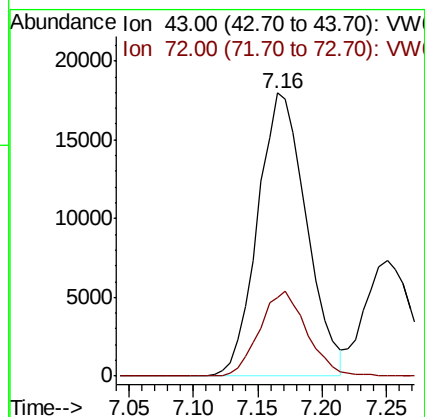
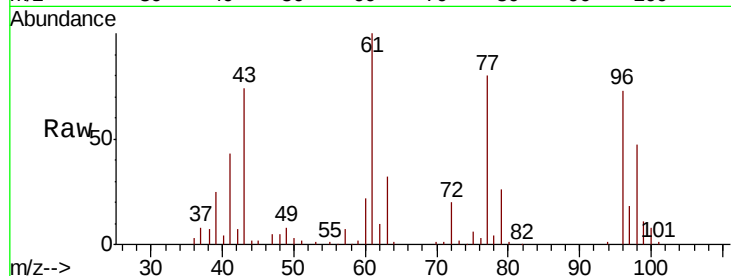
72 27.8 23.4 35.2

Manual Integrations

APPROVED

apatel

12/18/2018 11:30:45 AM



#26

2,2-Dichloropropane

Concen: 56.370 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007623.D

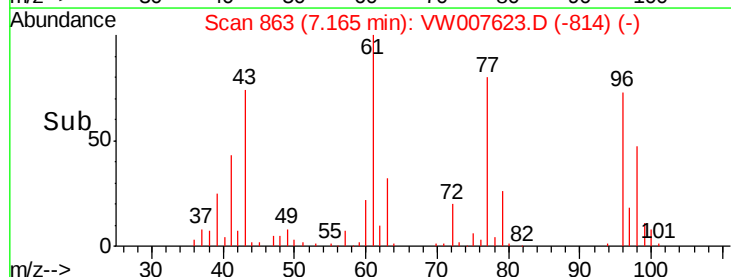
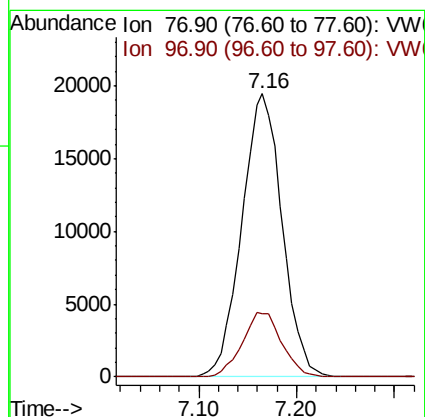
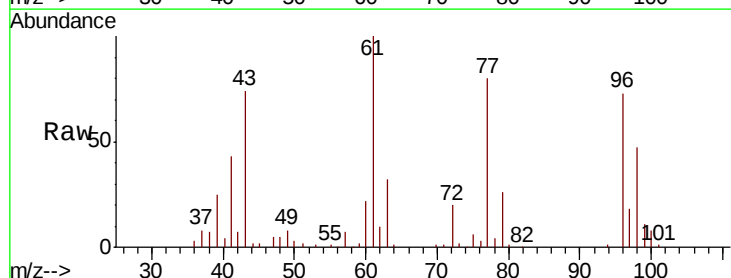
Acq: 17 Dec 2018 11:15

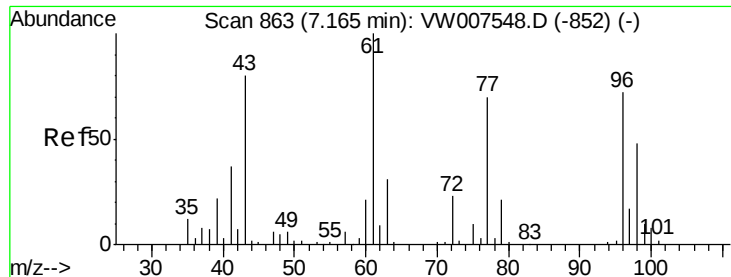
Tgt Ion: 77 Resp: 55717

Ion Ratio Lower Upper

77 100

97 22.3 11.6 34.8





#27

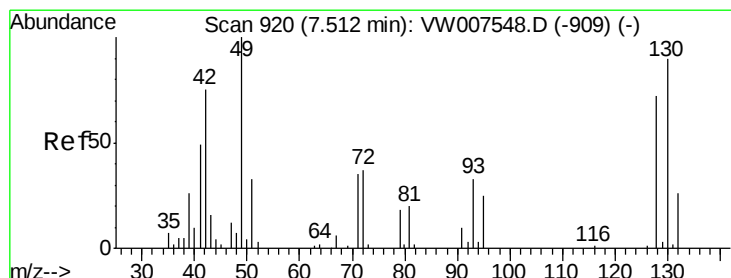
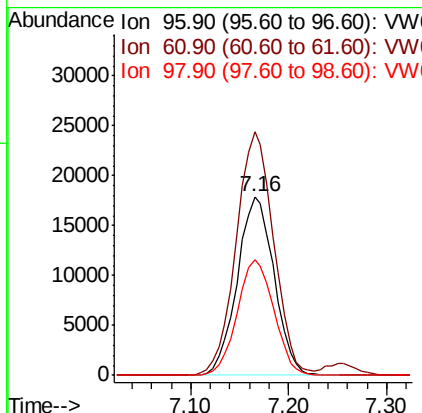
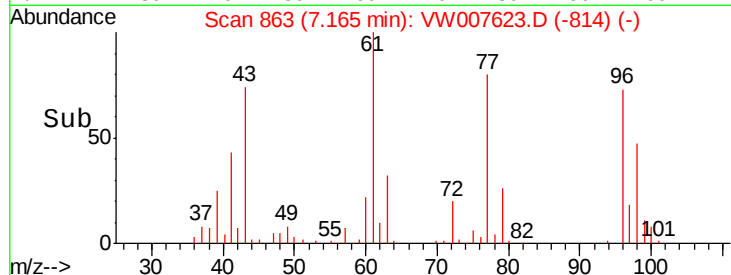
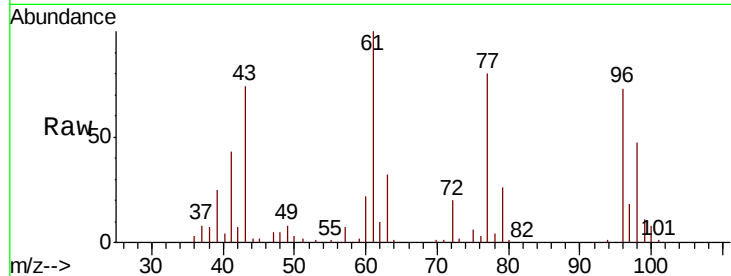
cis-1,2-Dichloroethene
Concen: 48.747 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	46568		
61	139.3	0.0	268.4	
98	64.5	0.0	127.8	

Manual Integrations
APPROVED

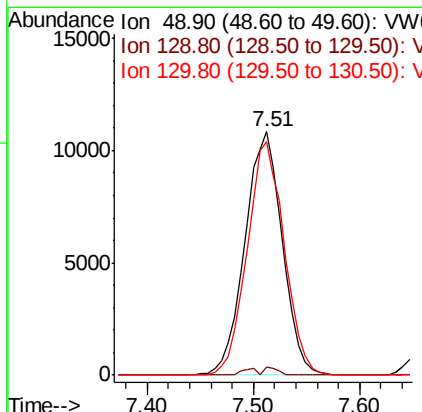
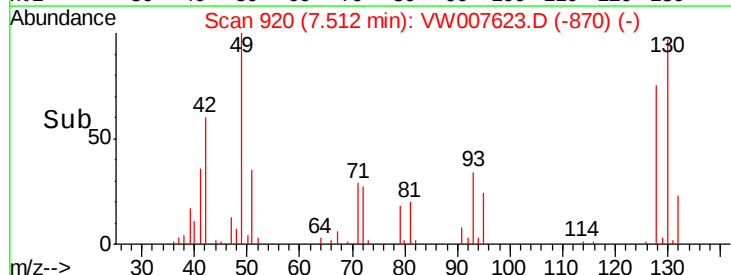
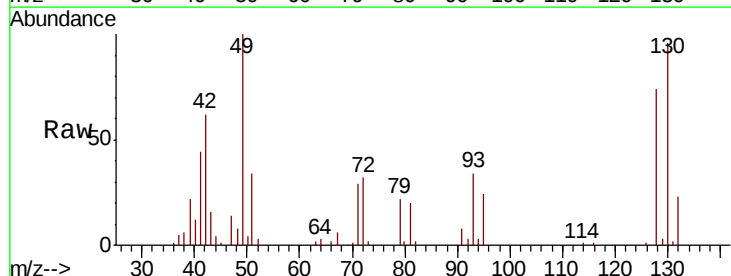
apatel
12/18/2018 11:30:45 AM

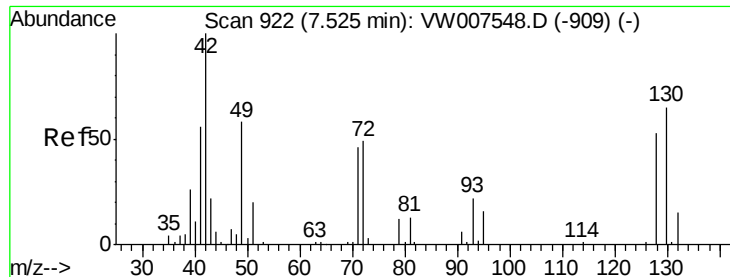


#28

Bromochloromethane
Concen: 47.476 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	26670		
129	1.2	0.0	2.6	
130	95.1	75.9	113.9	





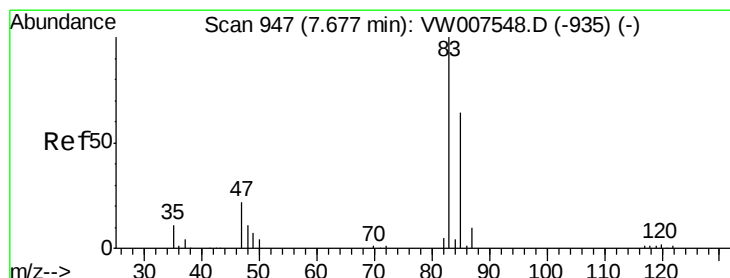
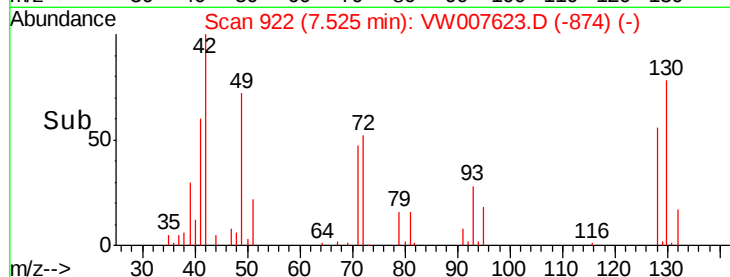
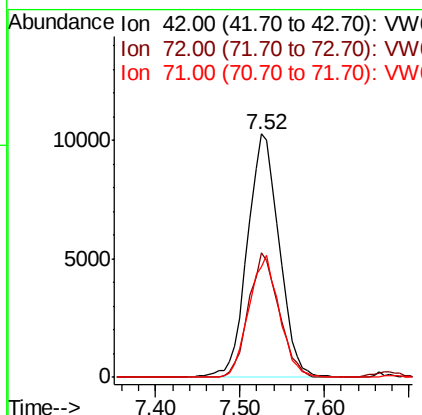
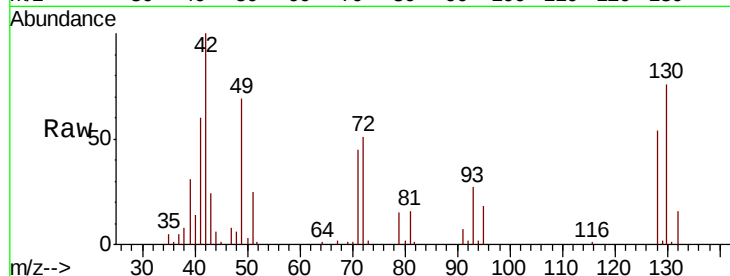
#29
Tetrahydrofuran
Concen: 207.105 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.7	38.2	57.4
71	47.9	35.5	53.3

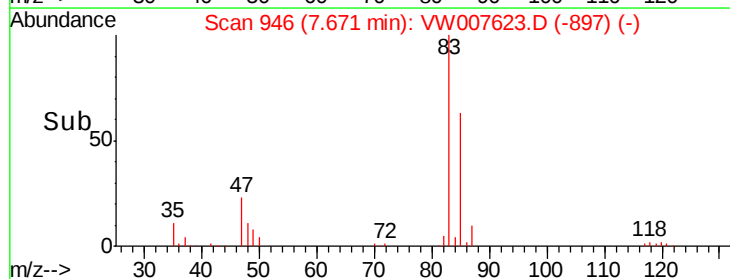
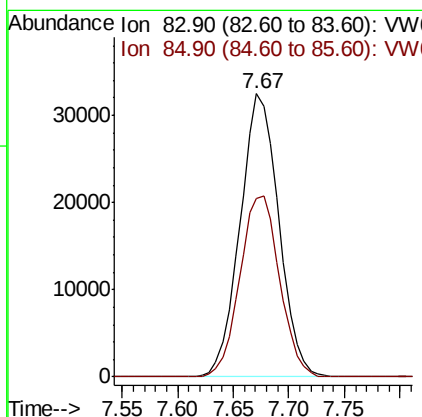
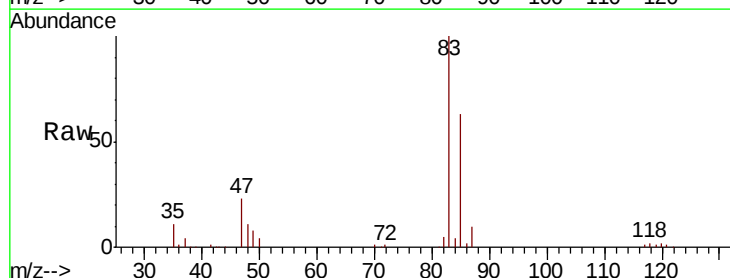
Manual Integrations
APPROVED

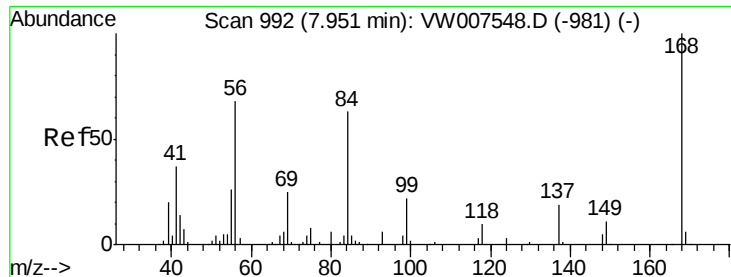
apatel
12/18/2018 11:30:45 AM



#30
Chloroform
Concen: 48.298 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.8	77.8





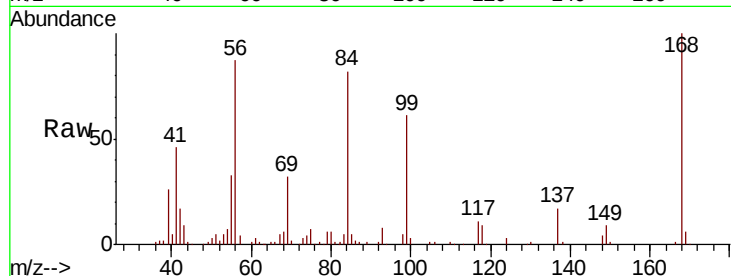
#31
Cyclohexane
Concen: 46.846 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.1	28.9	43.3
84	92.8	71.8	107.6

Manual Integrations
APPROVED

apatel
12/18/2018 11:30:45 AM

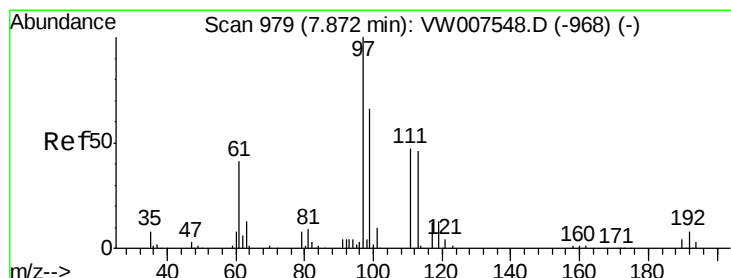
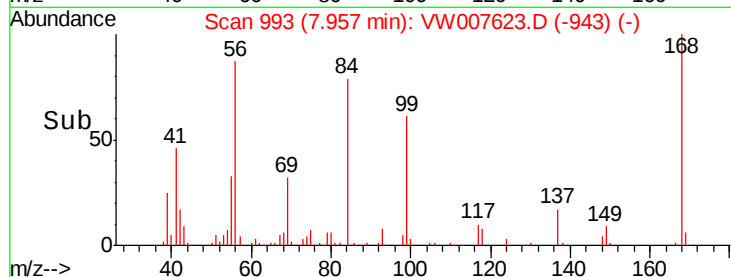
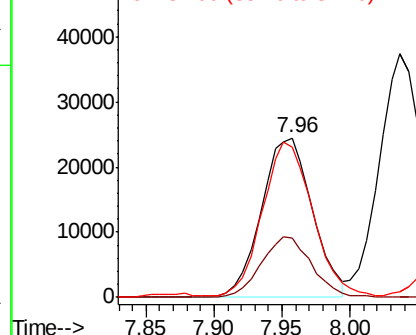


Abundance

Ion 56.00 (55.70 to 56.70): VW

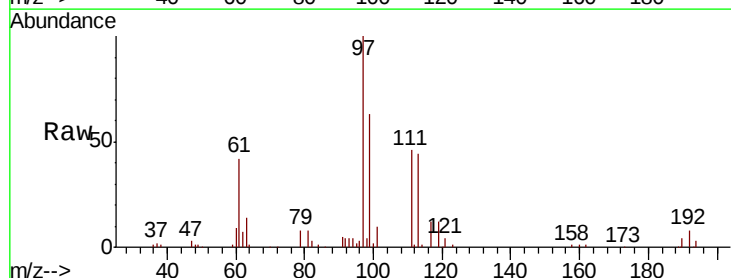
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32
1,1,1-Trichloroethane
Concen: 51.882 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.1	76.7
61	41.1	33.2	49.8

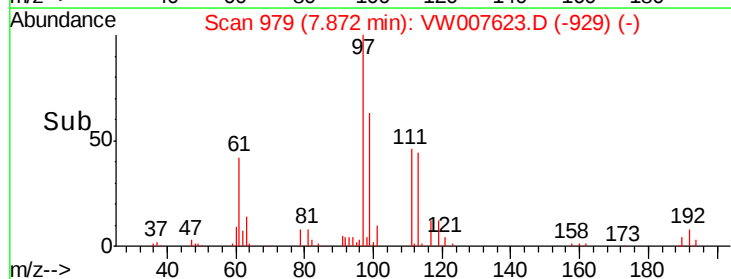
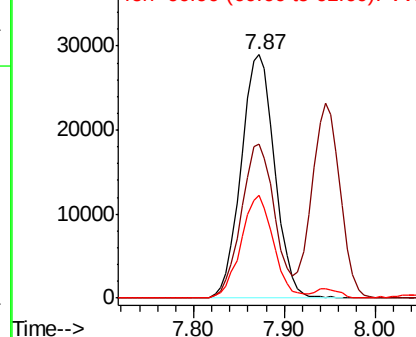


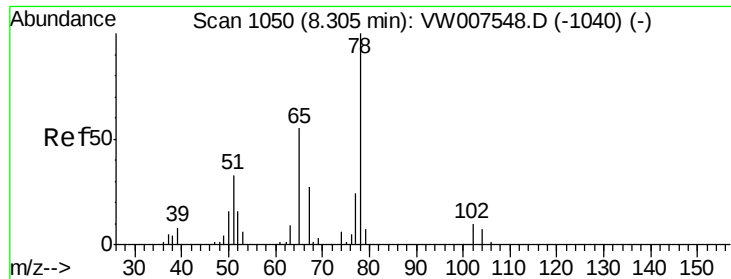
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 46.743 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007623.D

Acq: 17 Dec 2018 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 41229

Ion Ratio Lower Upper

65 100

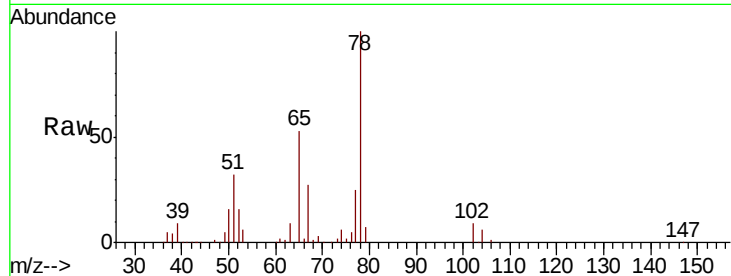
67 49.3 0.0 101.6

Manual Integrations

APPROVED

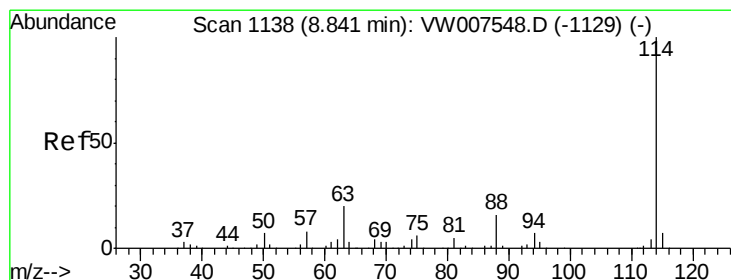
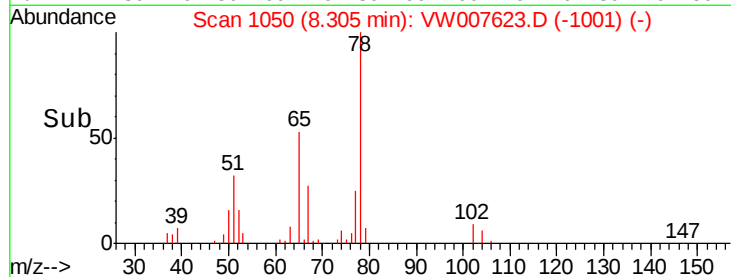
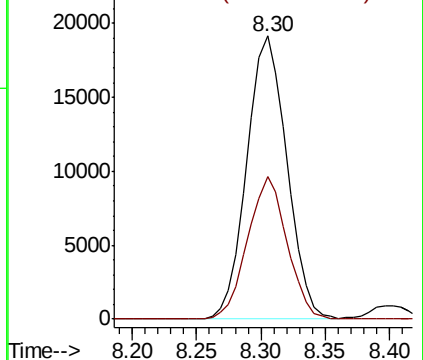
apatel

12/18/2018 11:30:45 AM



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW007623.D

Acq: 17 Dec 2018 11:15

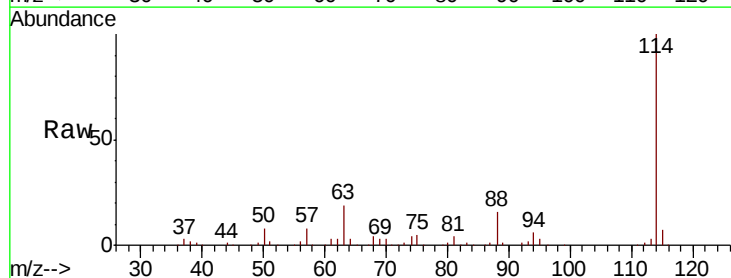
Tgt Ion: 114 Resp: 128002

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

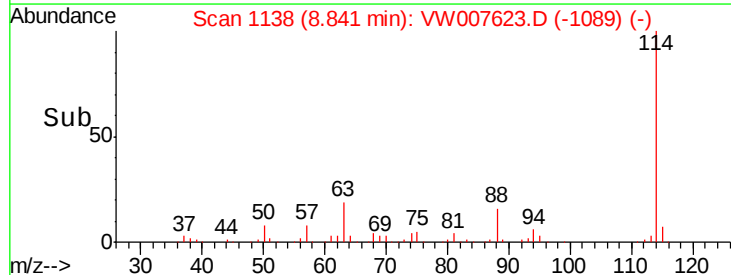
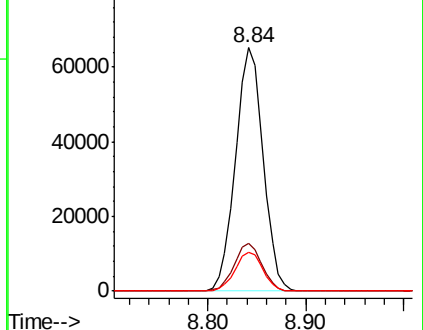
88 15.7 0.0 31.4

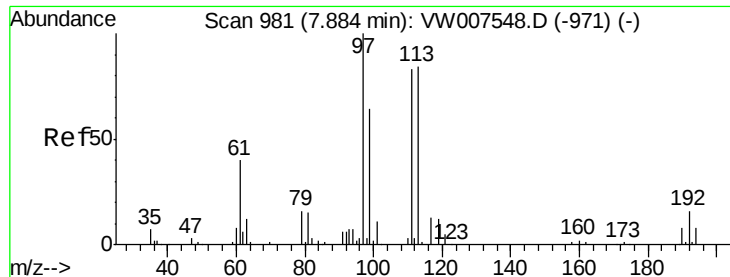


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





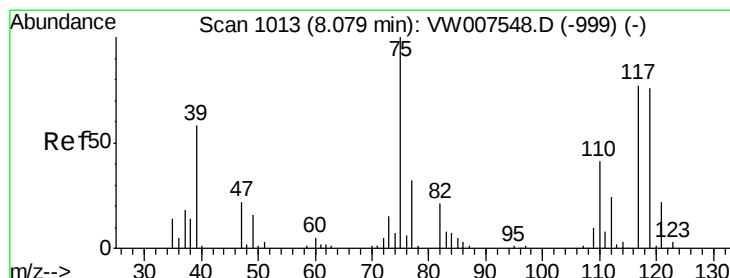
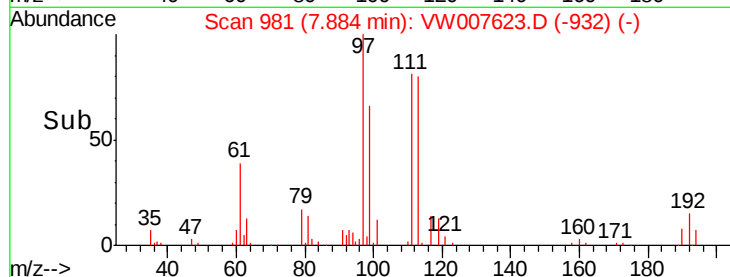
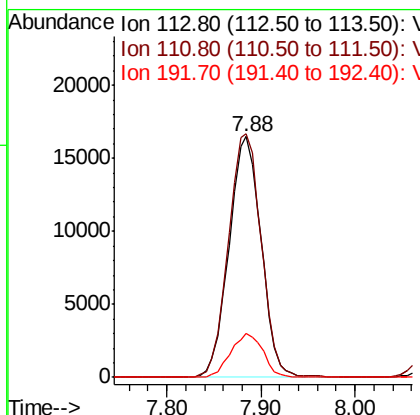
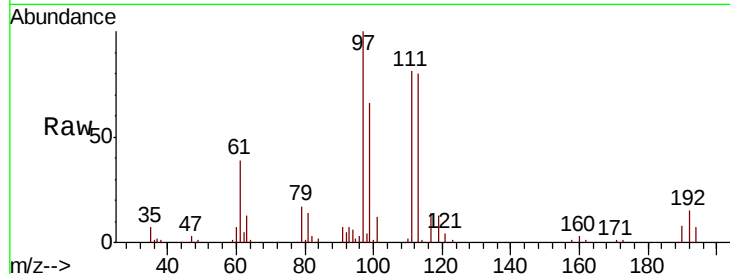
#35
 Dibromofluoromethane
 Concen: 50.414 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007623.D
 Acq: 17 Dec 2018 11:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	39063		
111	103.2	81.1	121.7	
192	18.2	14.6	21.8	

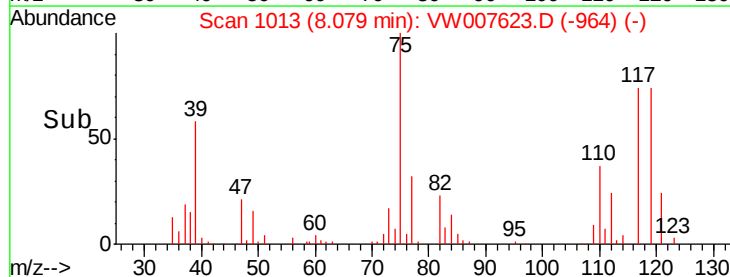
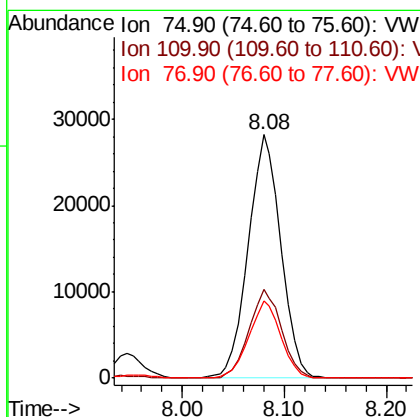
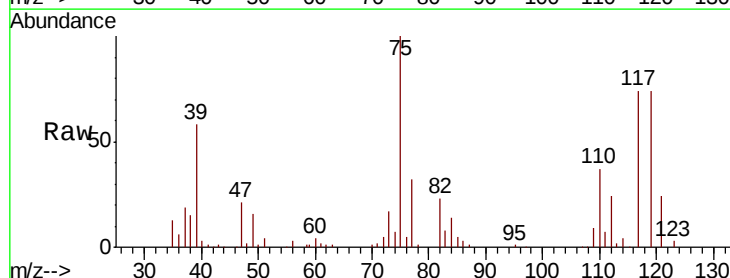
Manual Integrations
 APPROVED

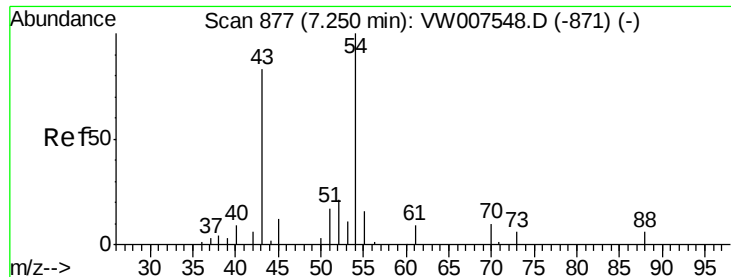
apatel
 12/18/2018 11:30:45 AM



#36
 1,1-Dichloropropene
 Concen: 53.840 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW007623.D
 Acq: 17 Dec 2018 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	62868		
110	36.1	18.5	55.5	
77	31.0	25.6	38.4	





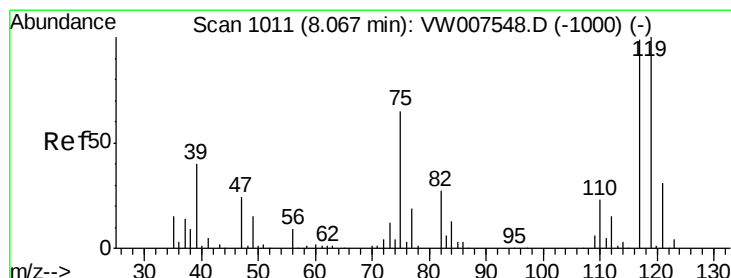
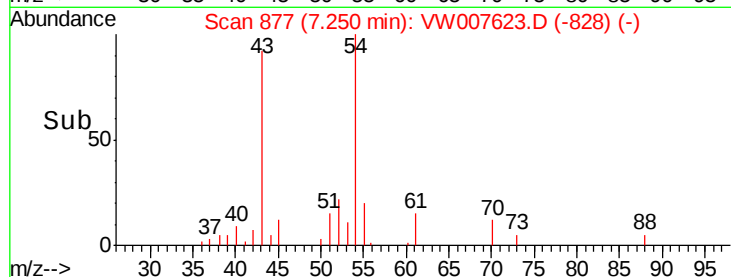
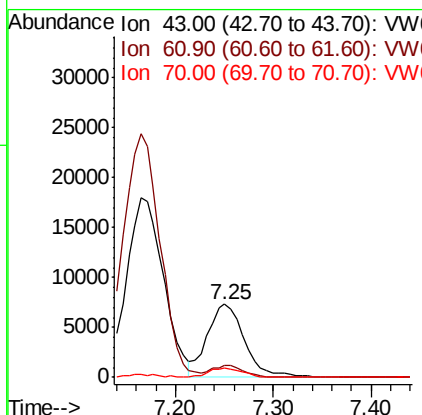
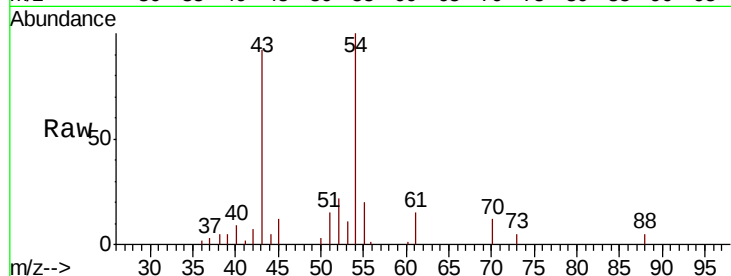
#37
Ethyl Acetate
Concen: 44.603 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	12.1	18.1
70	11.4	10.0	15.0

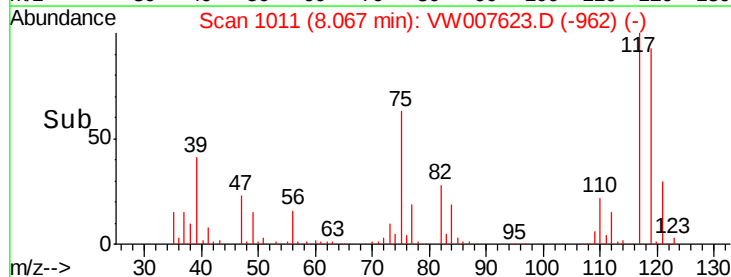
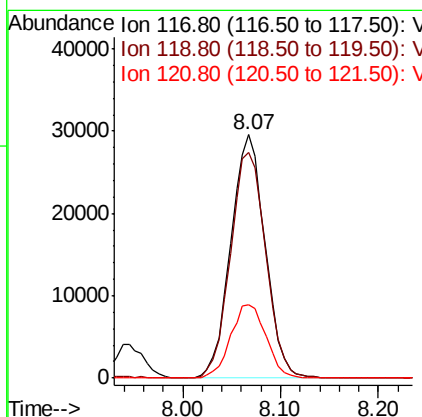
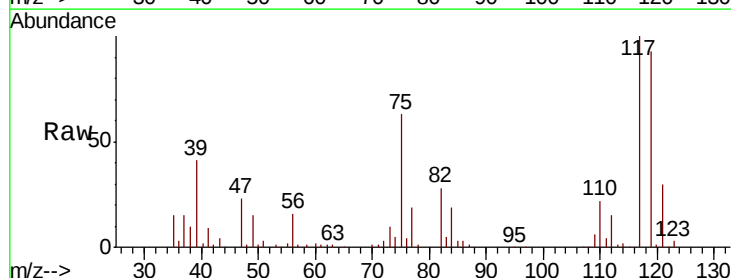
Manual Integrations
APPROVED

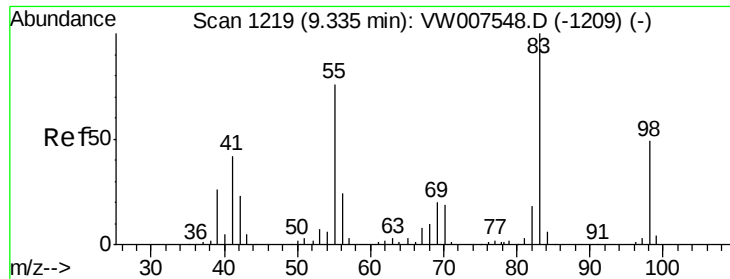
apatel
12/18/2018 11:30:45 AM



#38
Carbon Tetrachloride
Concen: 56.507 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	74.3	111.5
121	29.9	24.3	36.5





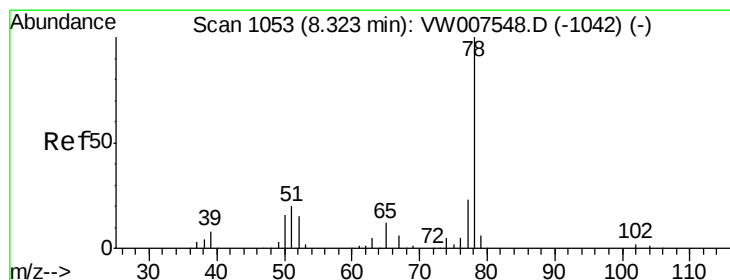
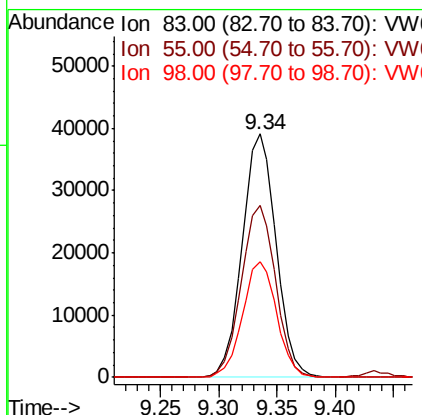
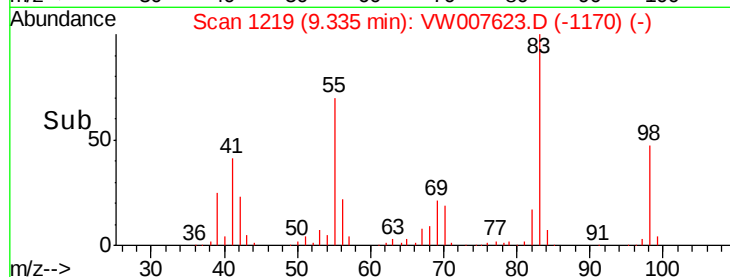
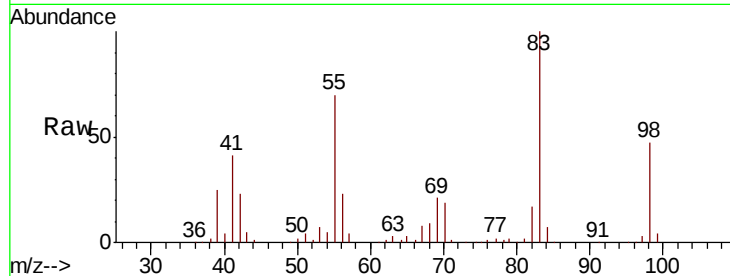
#39
Methvlcvclohexane
Concen: 55.957 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.4	62.8	94.2
98	47.4	42.2	63.2

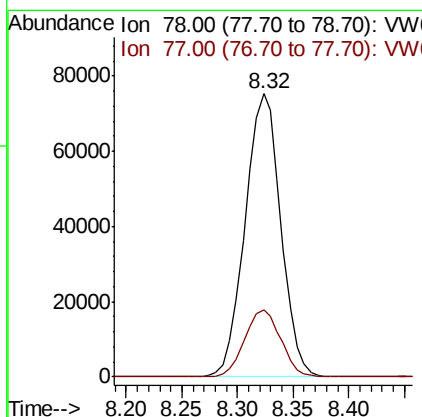
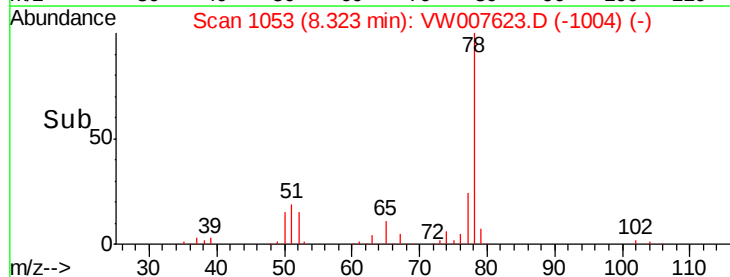
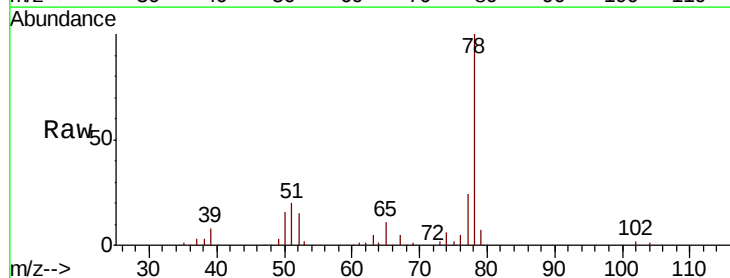
Manual Integrations
APPROVED

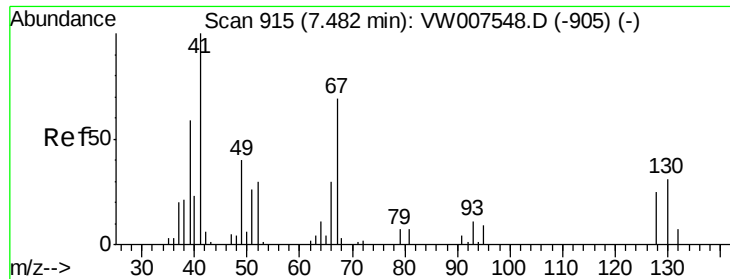
apatel
12/18/2018 11:30:45 AM



#40
Benzene
Concen: 51.806 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2





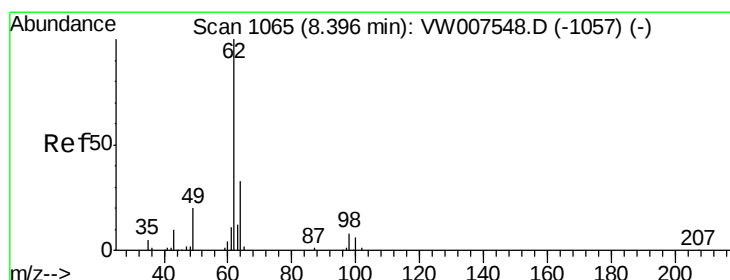
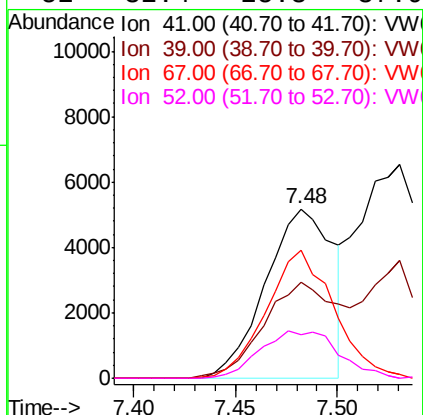
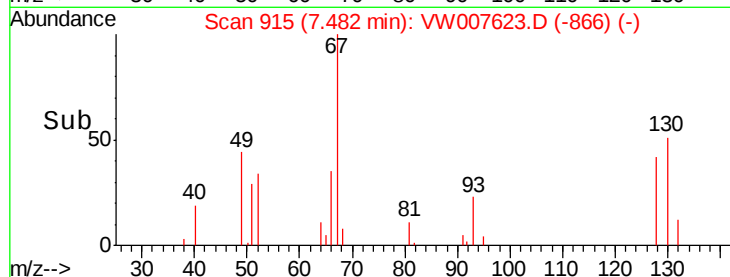
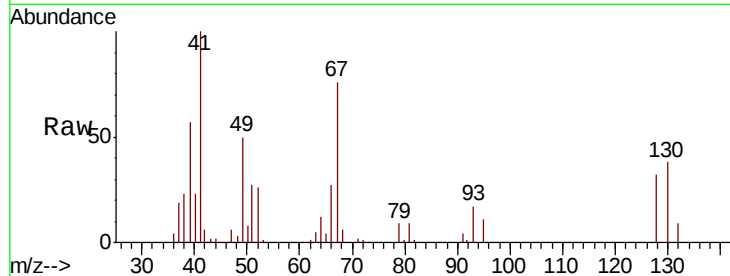
#41
Methacrylonitrile
Concen: 48.367 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	11962
Ion	Ratio	Lower	Upper
41	100		
39	64.4	52.2	78.2
67	75.7	60.5	90.7
52	32.4	25.3	37.9

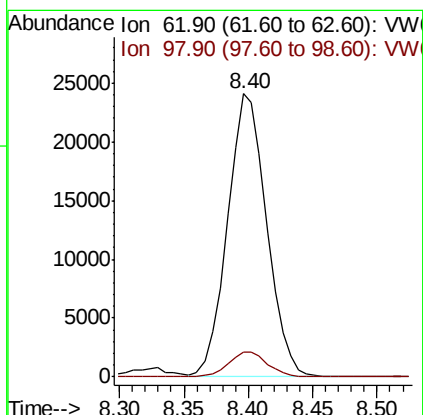
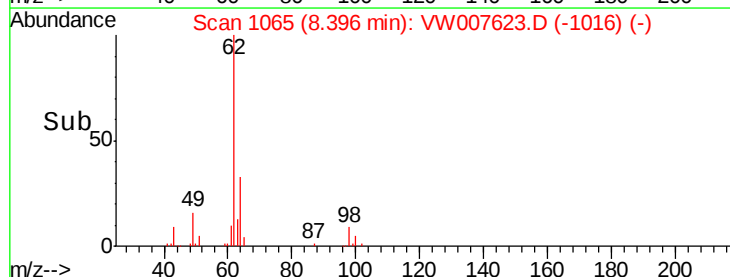
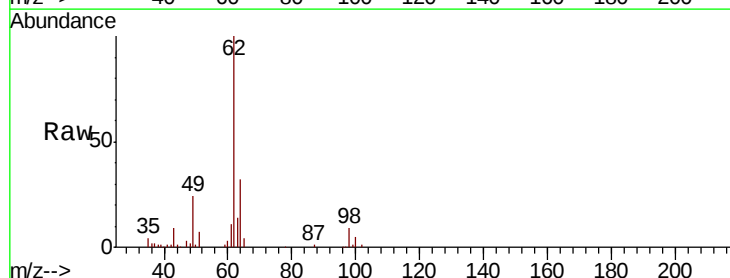
Manual Integrations
APPROVED

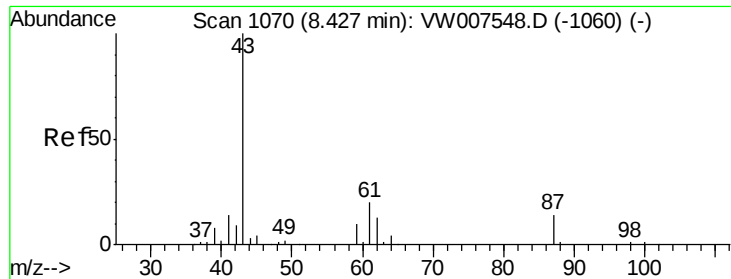
apatel
12/18/2018 11:30:45 AM



#42
1,2-Dichloroethane
Concen: 50.001 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Tgt Ion:	62	Resp:	50898
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.6





#43

Isopropyl Acetate

Concen: 46.165 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW007623.D

Acq: 17 Dec 2018 11:15

Instrument :

MSVOA_W

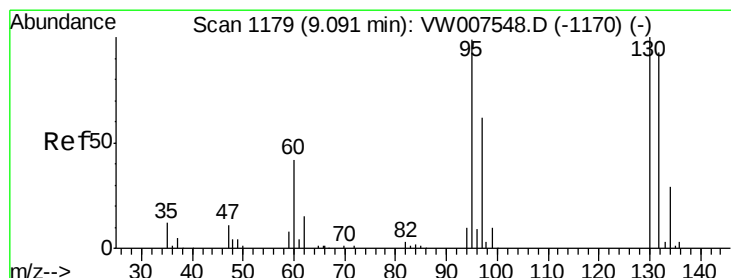
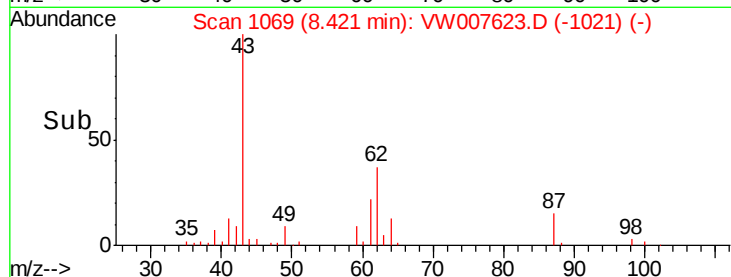
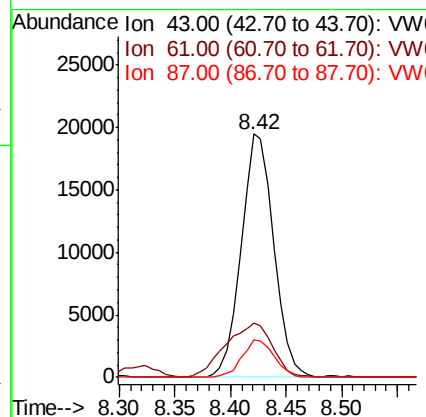
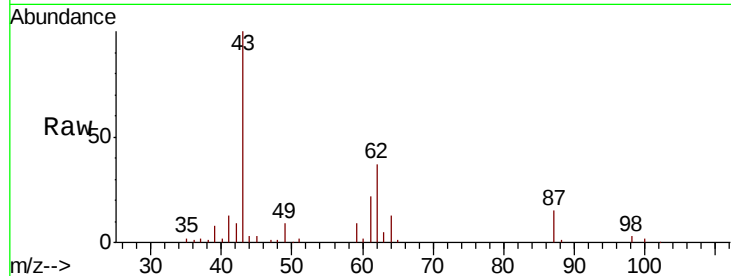
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	39604
Ion	Ratio	Lower	Upper
43	100		
61	31.9	25.3	37.9
87	14.9	11.8	17.8

Manual Integrations
APPROVED

apatel
12/18/2018 11:30:45 AM



#44

Trichloroethene

Concen: 53.052 ug/l

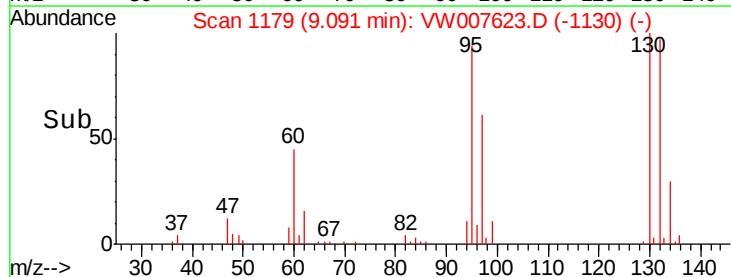
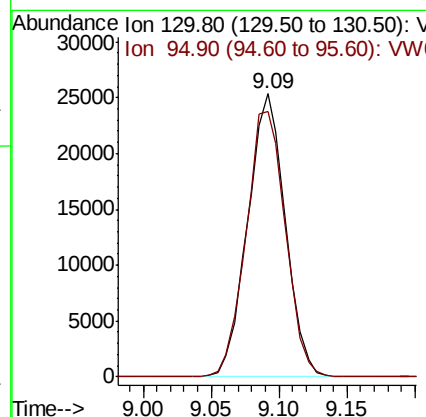
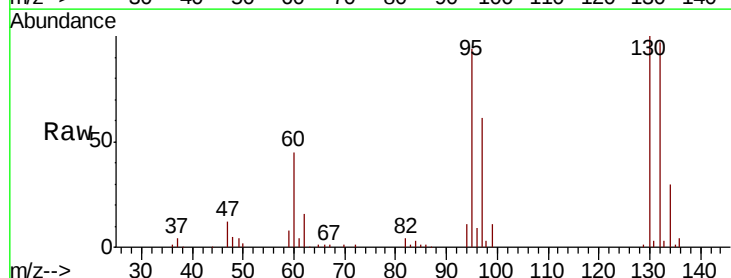
RT: 9.09 min Scan# 1179

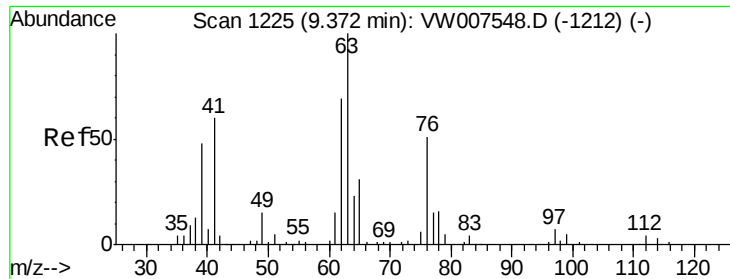
Delta R.T. -0.00 min

Lab File: VW007623.D

Acq: 17 Dec 2018 11:15

Tgt Ion:	130	Resp:	49092
Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	193.2





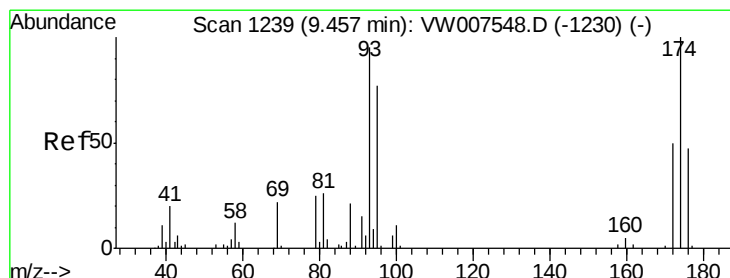
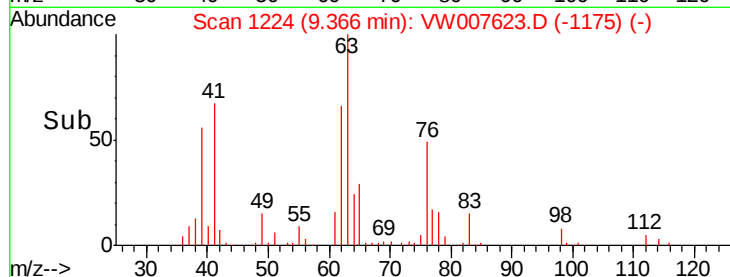
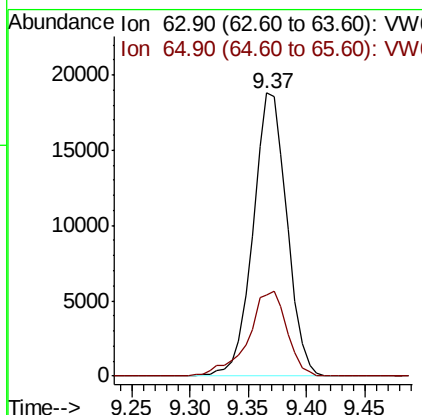
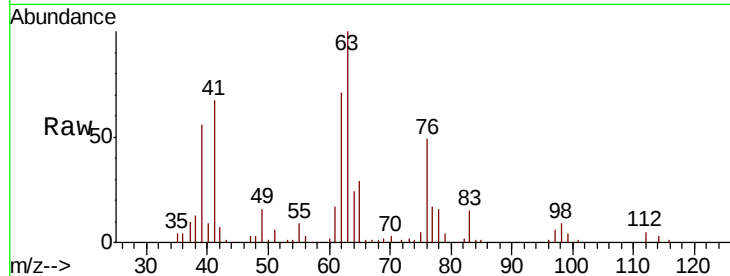
#45
 1,2-Dichloropropane
 Concen: 50.843 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW007623.D
 Acq: 17 Dec 2018 11:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 38127
 Ion Ratio Lower Upper
 63 100
 65 28.6 24.4 36.6

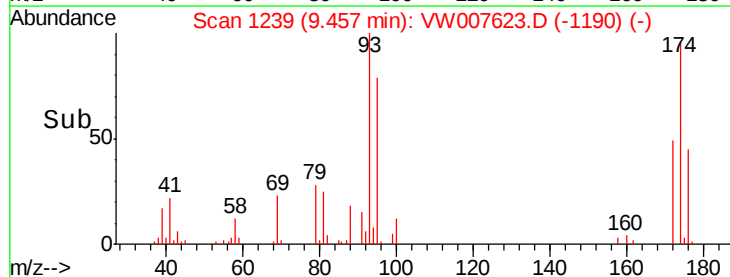
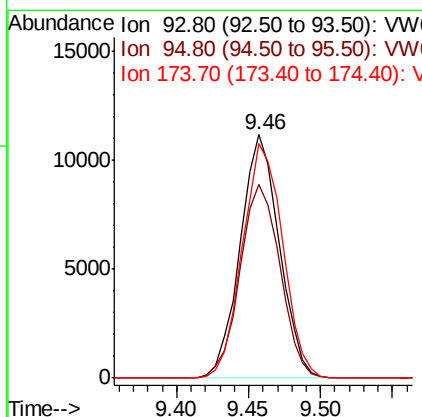
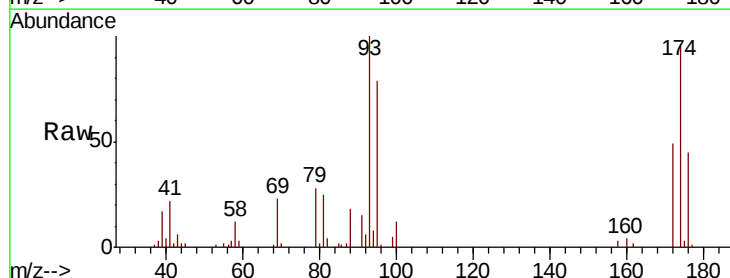
Manual Integrations
 APPROVED

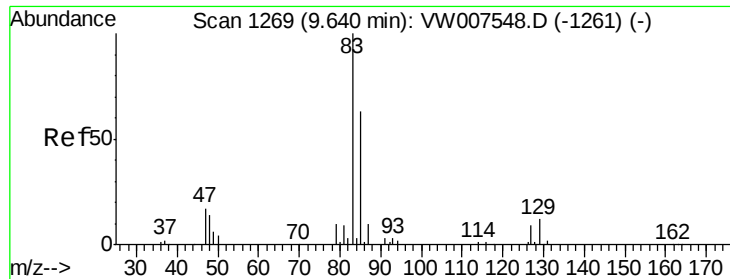
apatel
 12/18/2018 11:30:45 AM



#46
 Dibromomethane
 Concen: 49.259 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007623.D
 Acq: 17 Dec 2018 11:15

Tgt Ion: 93 Resp: 20977
 Ion Ratio Lower Upper
 93 100
 95 81.6 68.0 102.0
 174 99.3 83.2 124.8





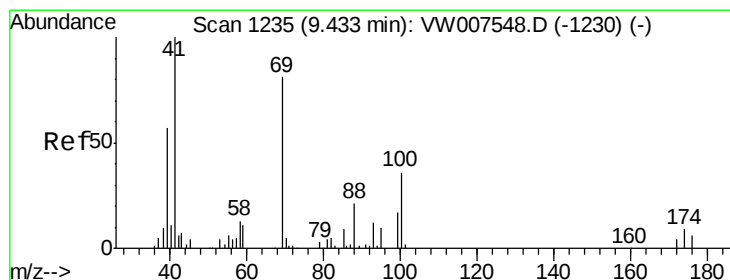
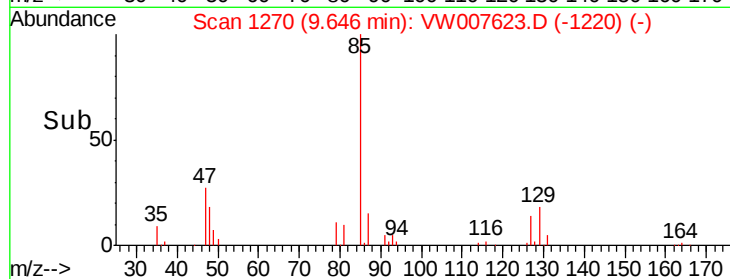
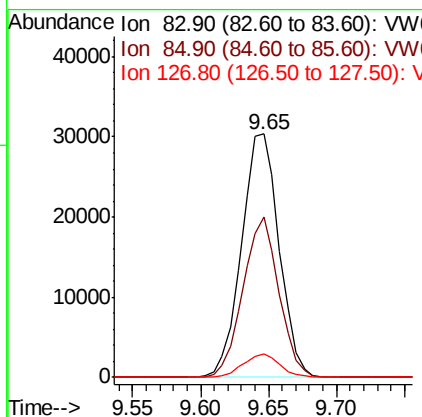
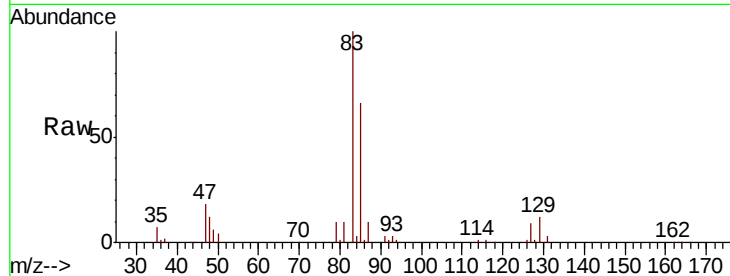
#47
Bromodichloromethane
Concen: 52.427 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.9	47.6	71.4	
127	9.4	6.7	10.1	

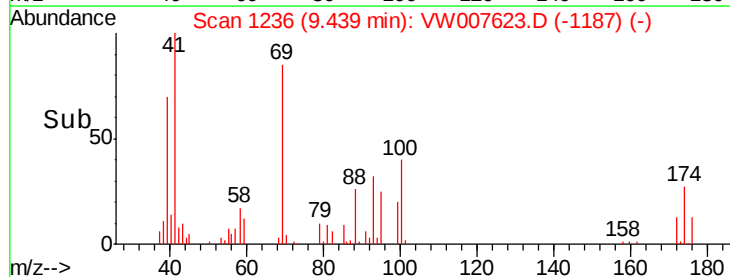
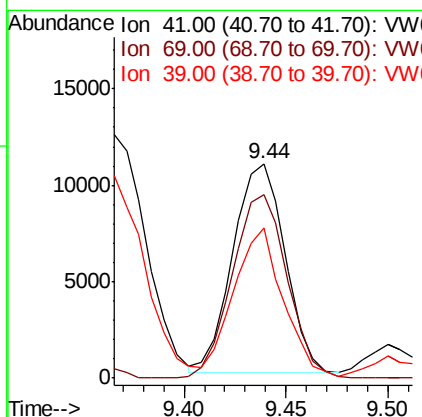
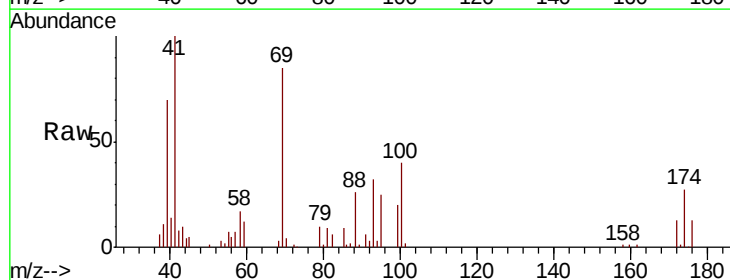
Manual Integrations
APPROVED

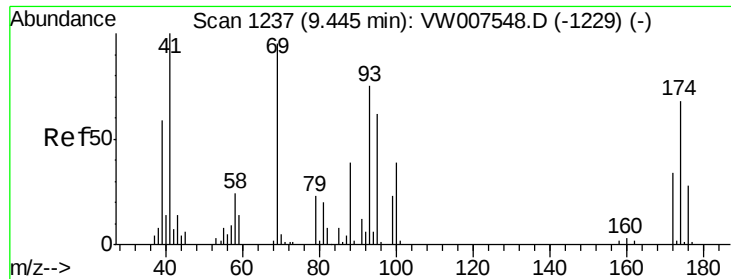
apatel
12/18/2018 11:30:45 AM



#48
Methyl methacrylate
Concen: 43.760 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	92.2	69.8	104.8	
39	66.4	50.9	76.3	





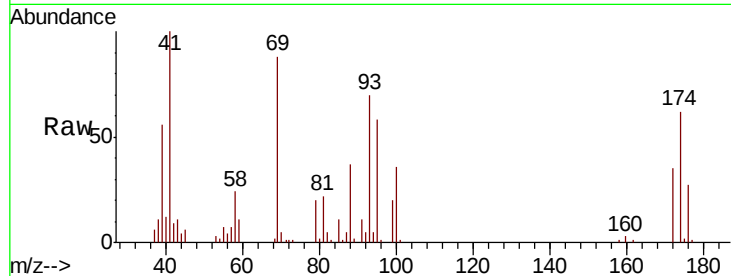
#49
1,4-Dioxane
Concen: 939.976 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	25.0	37.4
58	65.9	51.4	77.2

Manual Integrations
APPROVED

apatel
12/18/2018 11:30:45 AM

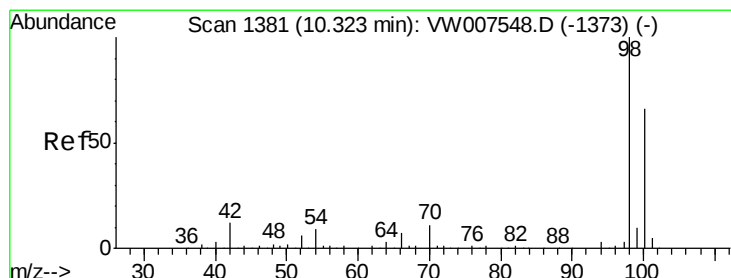
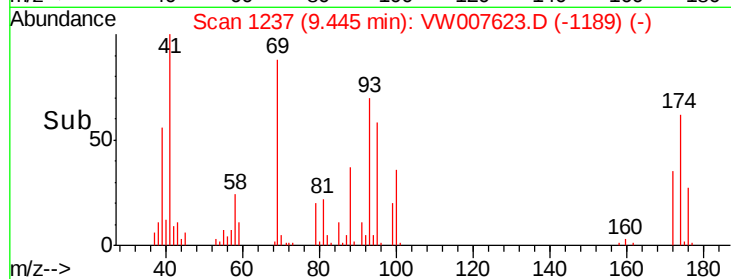
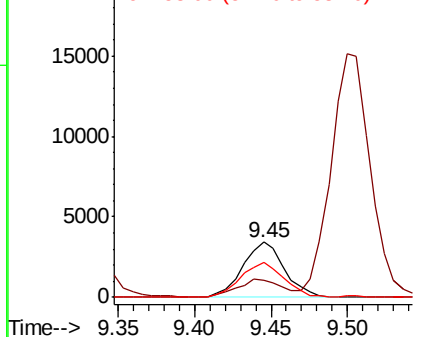


Abundance

Ion 88.00 (87.70 to 88.70): VW

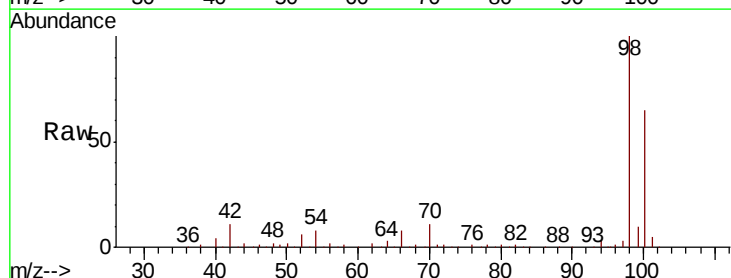
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 52.272 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

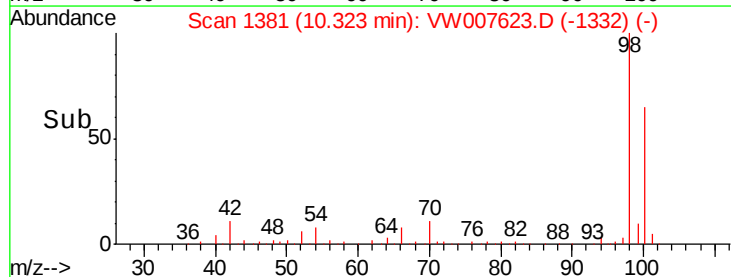
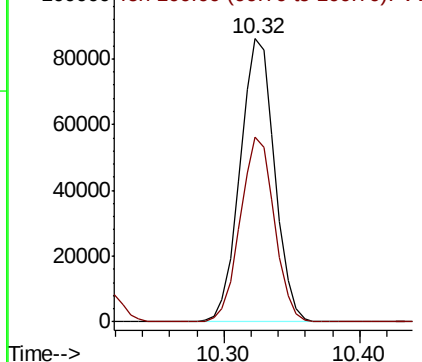
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.8	77.8

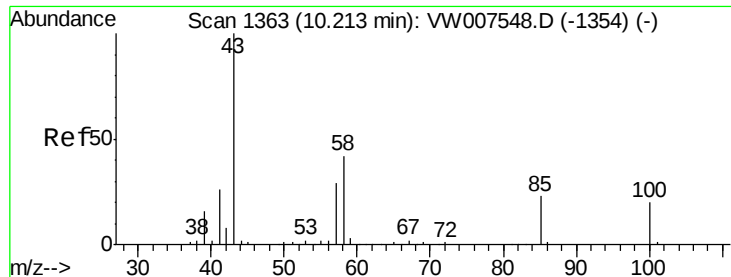


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 230.790 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007623.D

Acq: 17 Dec 2018 11:15

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 93550

Ion Ratio Lower Upper

43 100

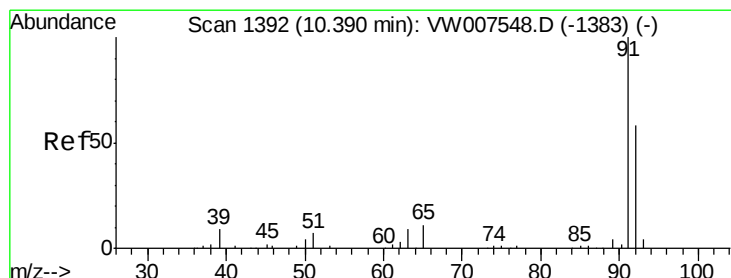
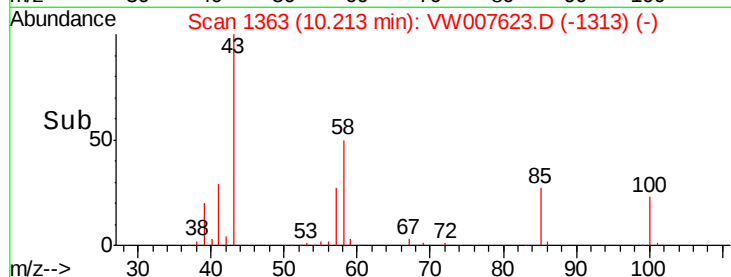
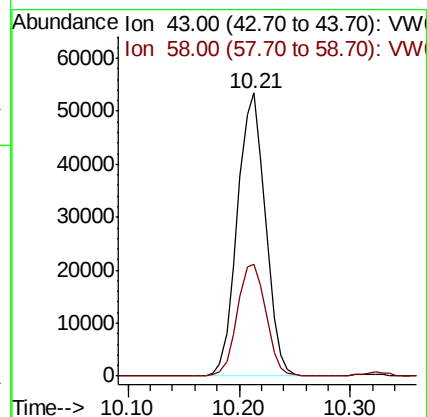
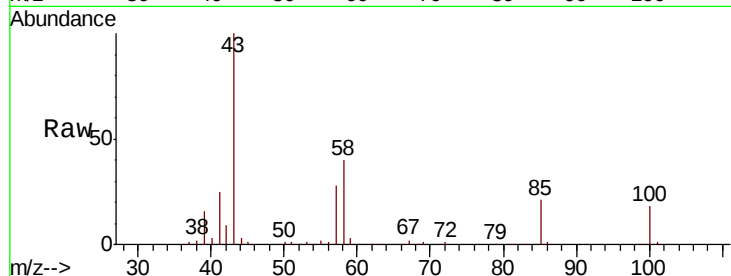
58 40.5 33.1 49.7

Manual Integrations

APPROVED

apatel

12/18/2018 11:30:45 AM



#52

Toluene

Concen: 52.588 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007623.D

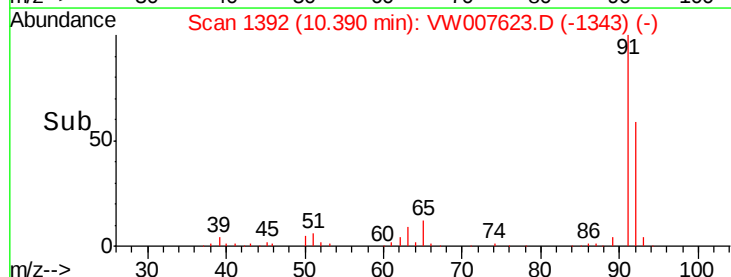
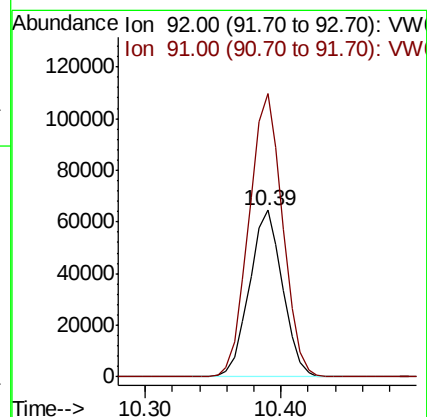
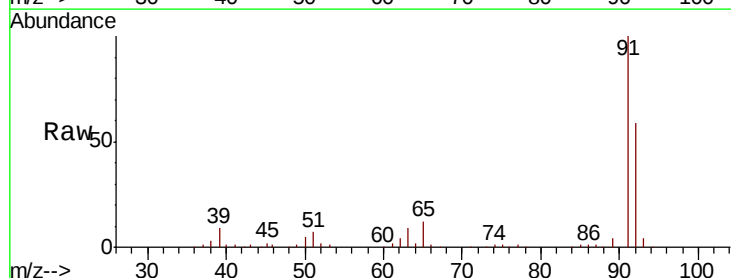
Acq: 17 Dec 2018 11:15

Tgt Ion: 92 Resp: 110282

Ion Ratio Lower Upper

92 100

91 172.3 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 52.361 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW007623.D

Acq: 17 Dec 2018 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 56782

Ion Ratio Lower Upper

75 100

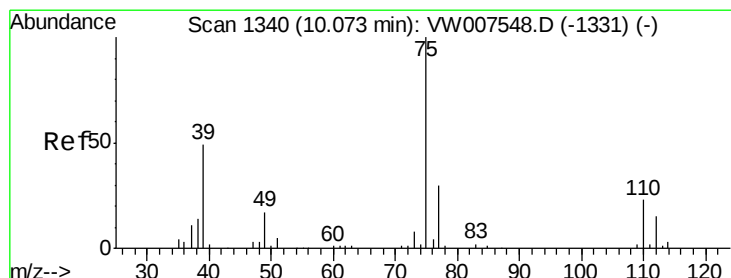
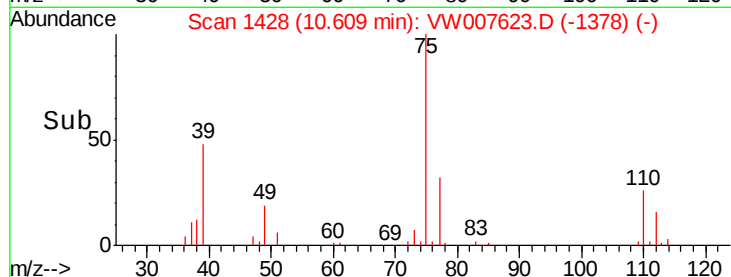
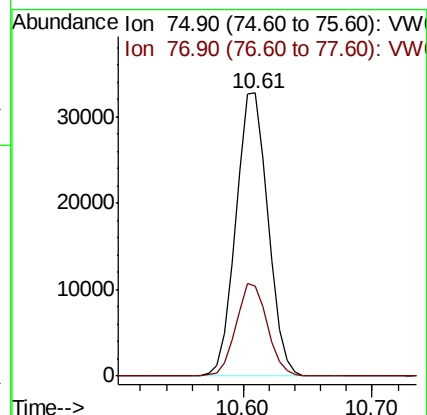
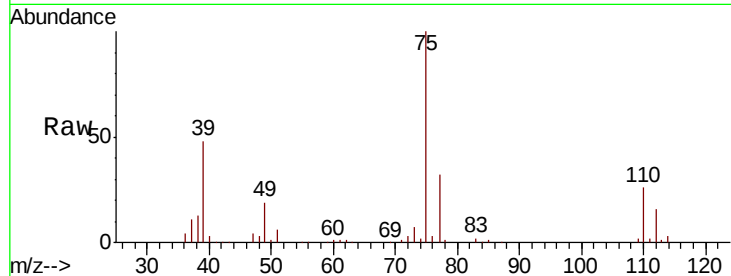
77 31.7 26.2 39.4

Manual Integrations

APPROVED

apatel

12/18/2018 11:30:45 AM



#54

cis-1,3-Dichloropropene

Concen: 51.567 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007623.D

Acq: 17 Dec 2018 11:15

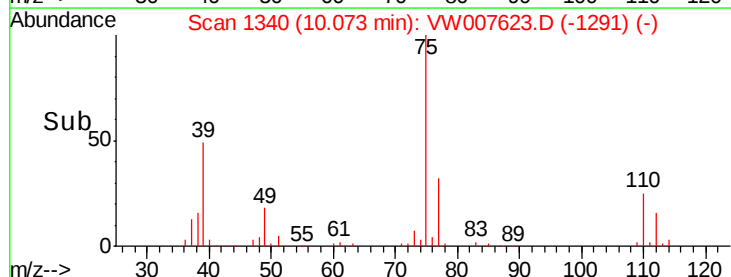
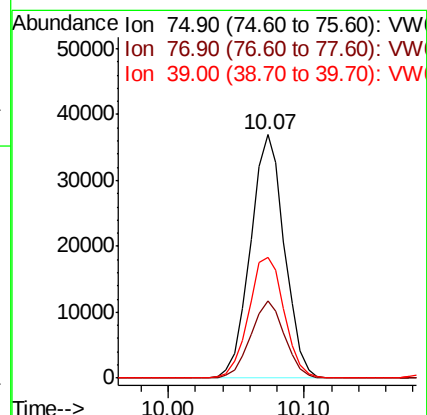
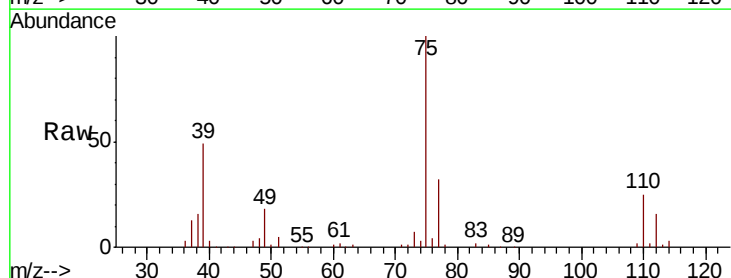
Tgt Ion: 75 Resp: 64645

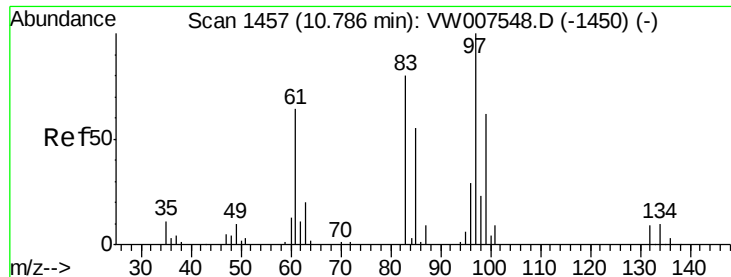
Ion Ratio Lower Upper

75 100

77 31.9 24.8 37.2

39 49.4 40.9 61.3





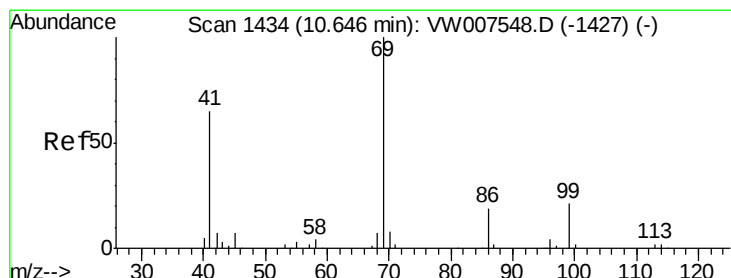
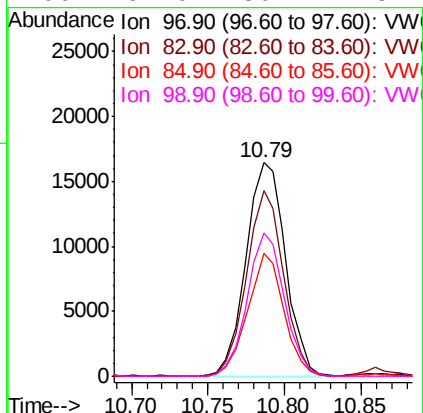
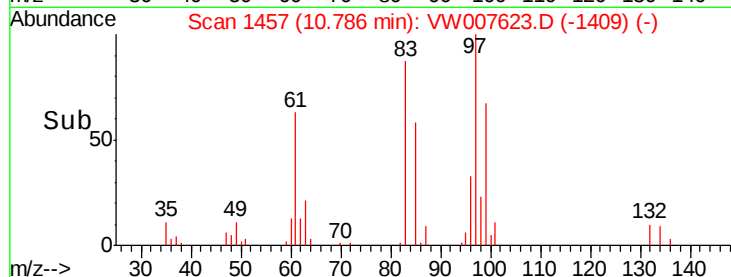
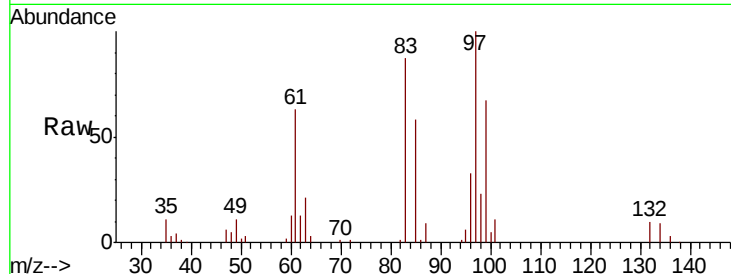
#55
 1,1,2-Trichloroethane
 Concen: 50.852 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007623.D
 Acq: 17 Dec 2018 11:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	29473
Ion	Ratio	Lower	Upper
97	100		
83	86.8	62.1	93.1
85	57.8	44.2	66.4
99	67.0	50.2	75.4

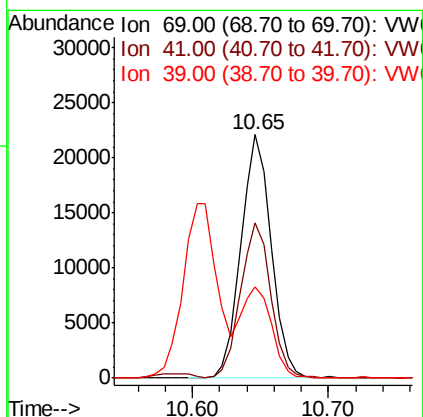
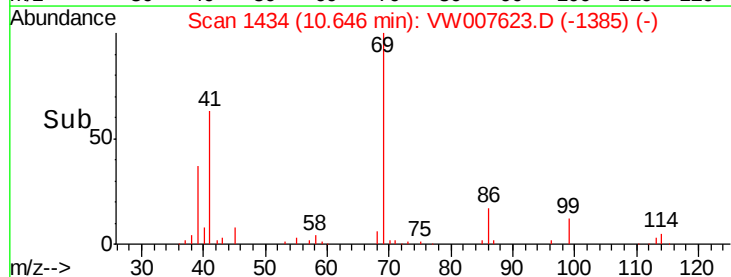
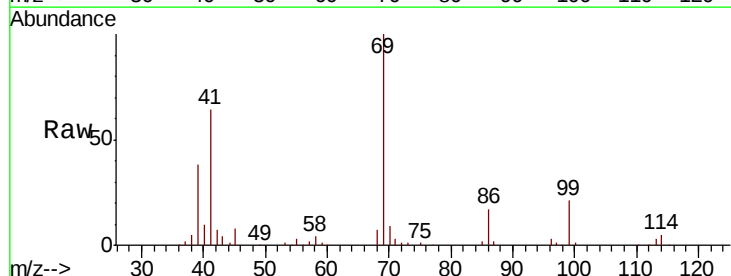
Manual Integrations
 APPROVED

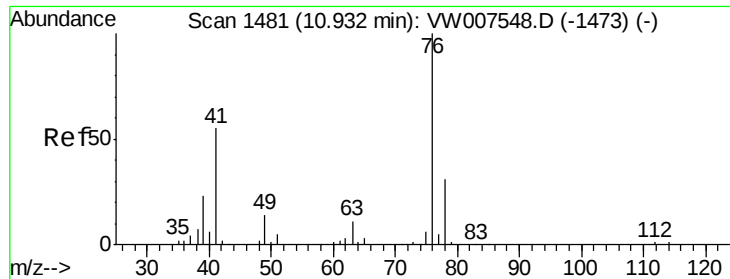
apatel
 12/18/2018 11:30:45 AM



#56
 Ethyl methacrylate
 Concen: 49.330 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007623.D
 Acq: 17 Dec 2018 11:15

Tgt Ion	69	Resp	34365
Ion	Ratio	Lower	Upper
69	100		
41	63.8	51.0	76.6
39	38.4	30.8	46.2





#57

1,3-Dichloropropane

Concen: 51.550 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW007623.D

Acq: 17 Dec 2018 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 49040

Ion Ratio Lower Upper

76 100

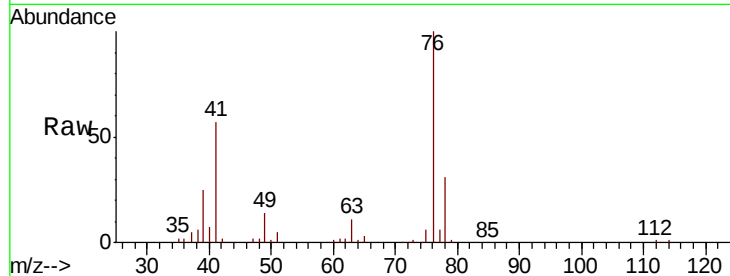
78 32.3 26.2 39.4

Manual Integrations

APPROVED

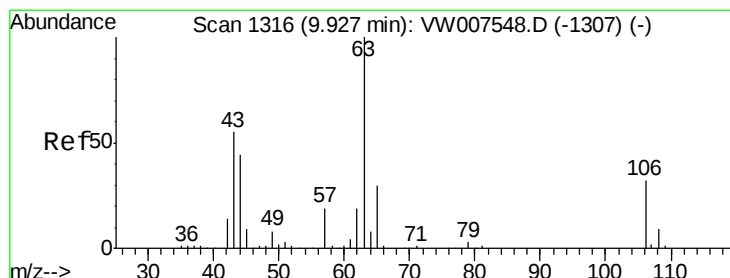
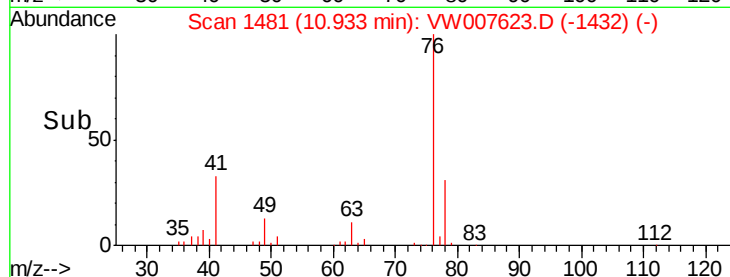
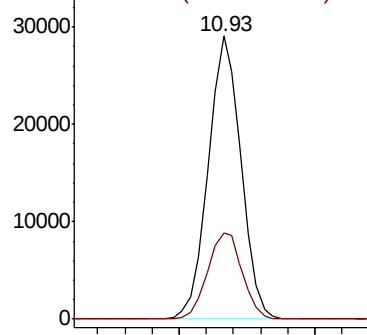
apatel

12/18/2018 11:30:45 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 273.347 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW007623.D

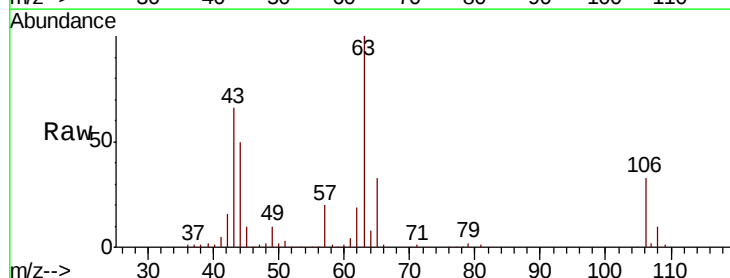
Acq: 17 Dec 2018 11:15

Tgt Ion: 63 Resp: 87814

Ion Ratio Lower Upper

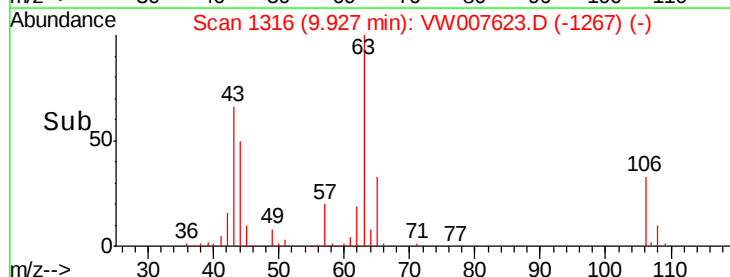
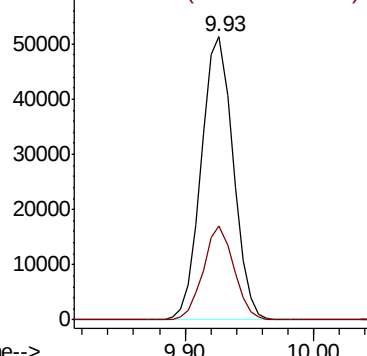
63 100

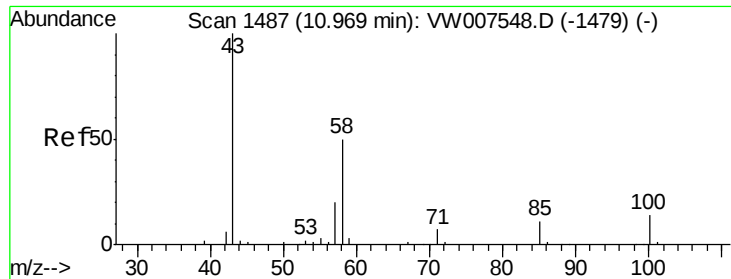
106 31.8 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V





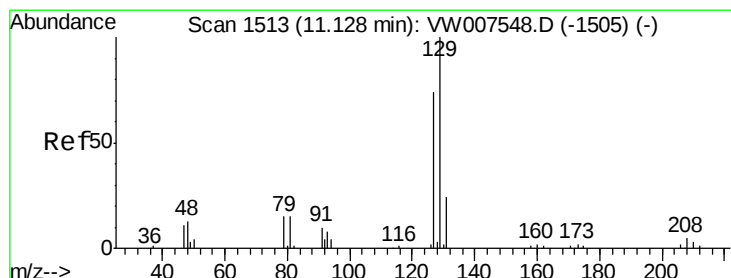
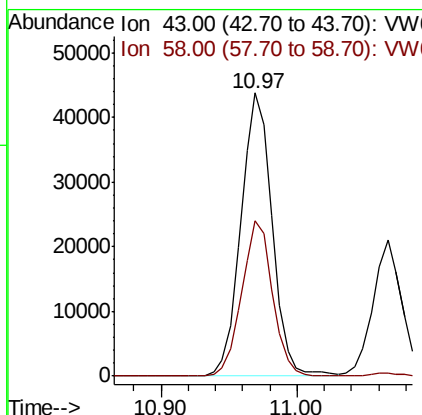
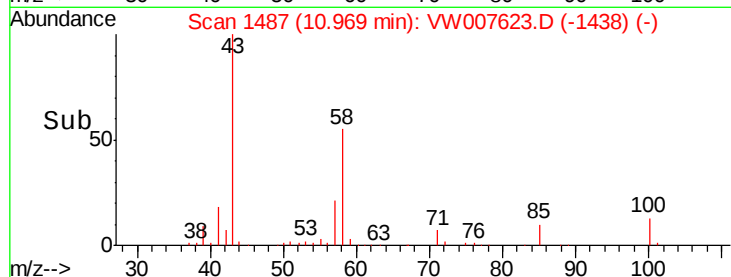
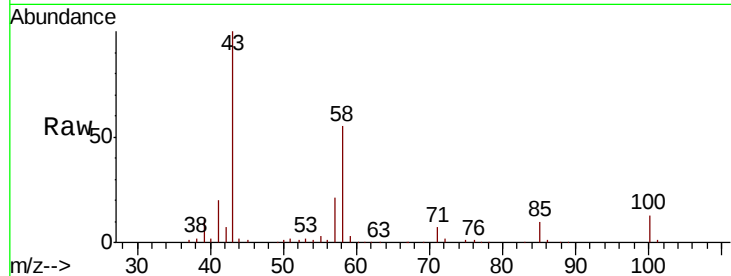
#59
2-Hexanone
Concen: 260.280 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 70350
Ion Ratio Lower Upper
43 100
58 53.9 27.1 81.3

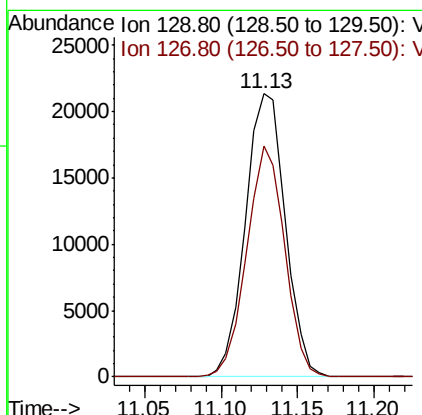
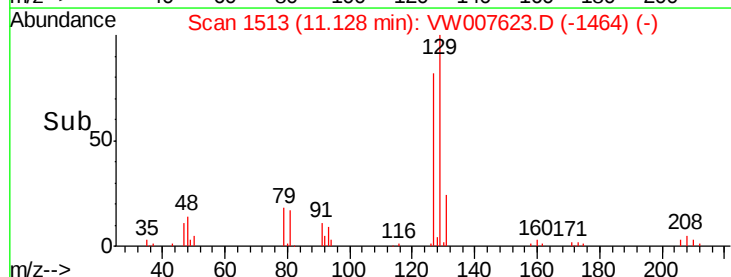
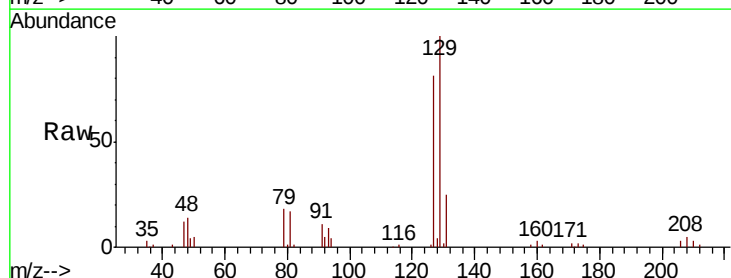
Manual Integrations
APPROVED

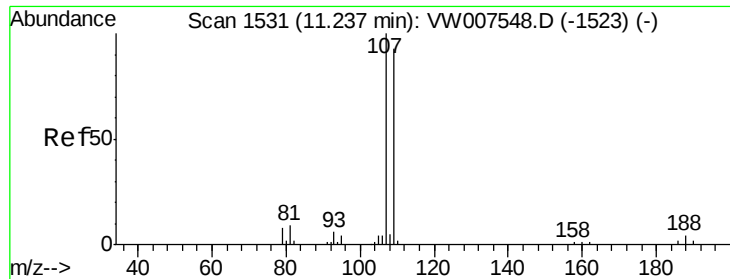
apatel
12/18/2018 11:30:45 AM



#60
Dibromochloromethane
Concen: 52.964 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Tgt Ion:129 Resp: 38740
Ion Ratio Lower Upper
129 100
127 77.5 38.1 114.3





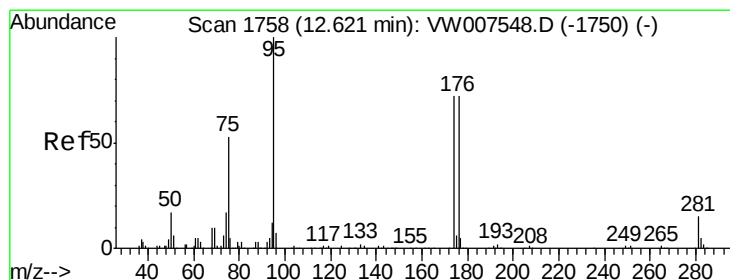
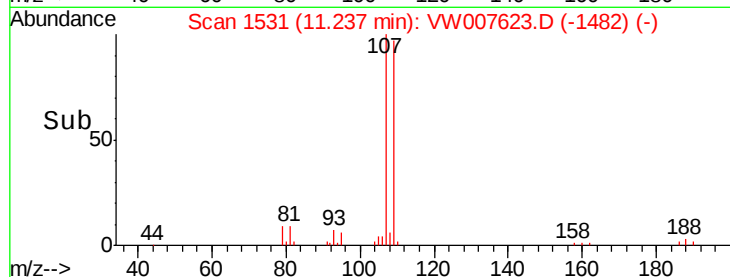
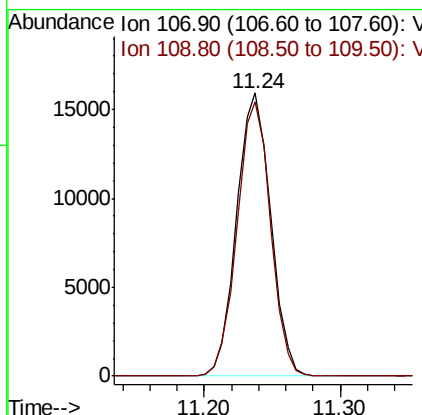
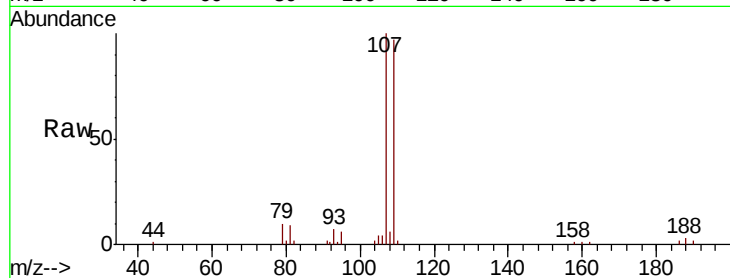
#61
 1,2-Dibromoethane
 Concen: 48.634 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007623.D
 Acq: 17 Dec 2018 11:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	79.1	118.7

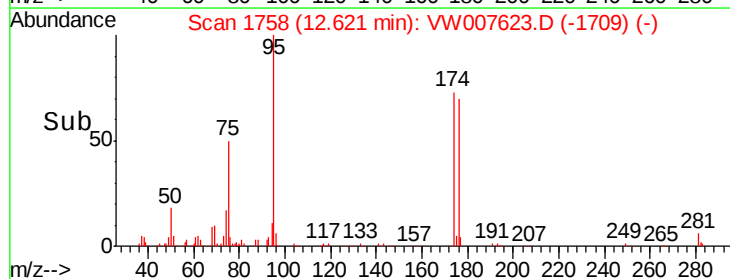
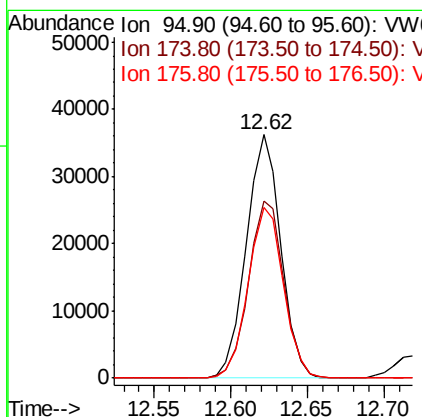
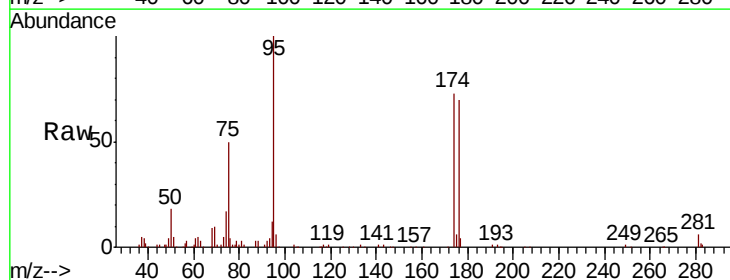
Manual Integrations
 APPROVED

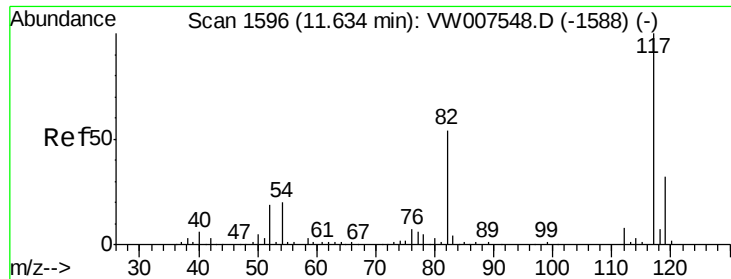
apatel
 12/18/2018 11:30:45 AM



#62
 4-Bromofluorobenzene
 Concen: 53.018 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007623.D
 Acq: 17 Dec 2018 11:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	147.2
176	72.1	0.0	138.8





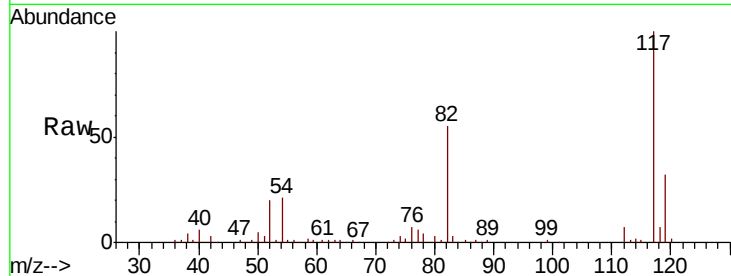
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	42.3	63.5
119	31.5	23.0	34.6

Manual Integrations
APPROVED

apatel
12/18/2018 11:30:45 AM

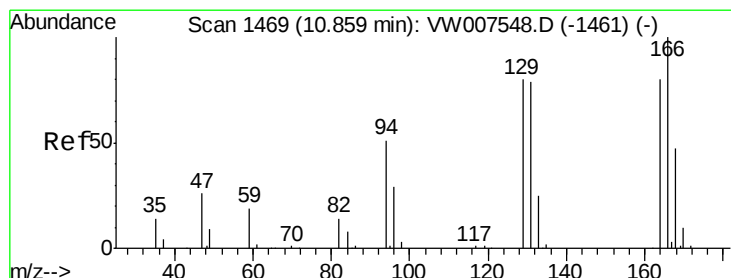
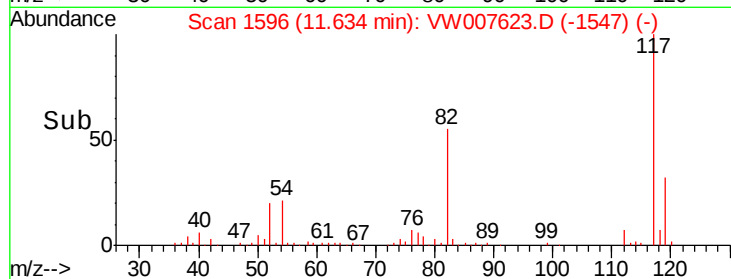
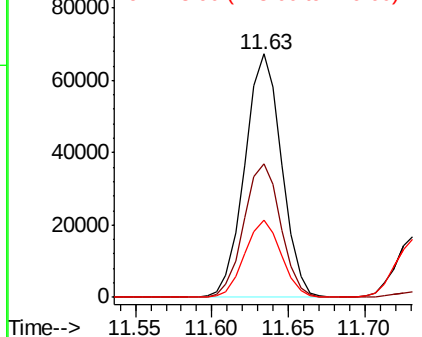


Abundance

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: 47.507 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	107.9	161.9
129	103.4	73.4	110.2
131	97.3	75.8	113.6

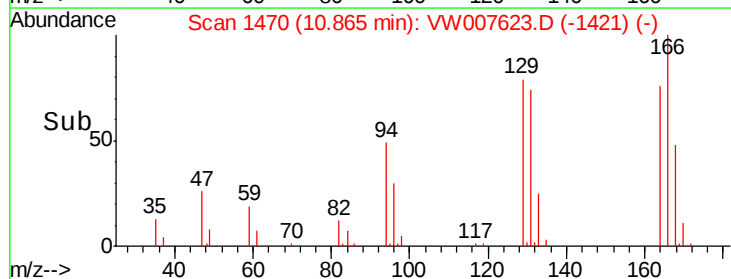
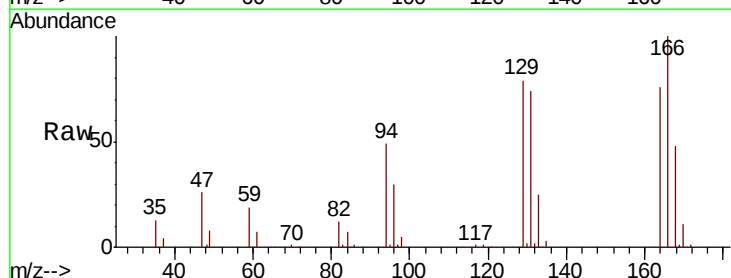
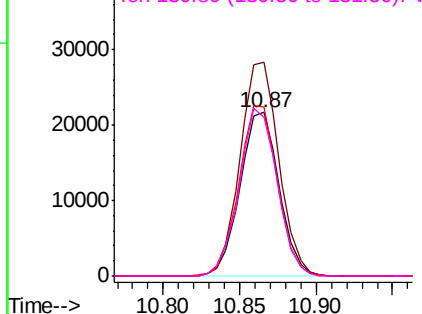
Abundance

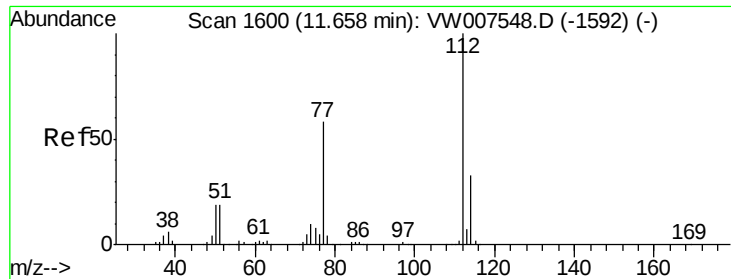
Ion 163.80 (163.50 to 164.50): V

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





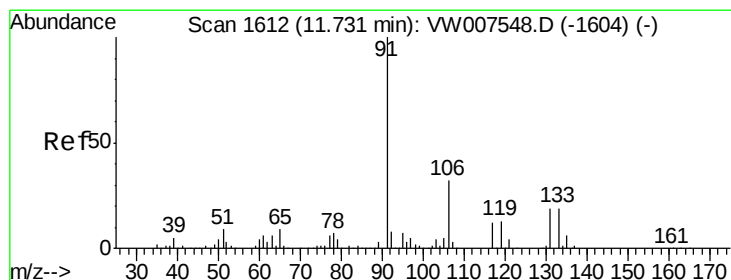
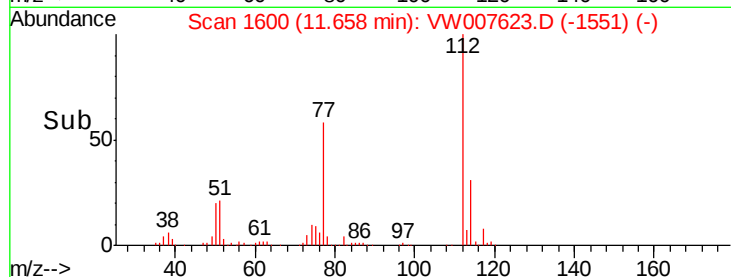
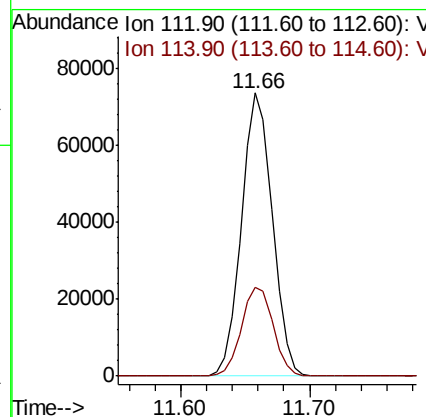
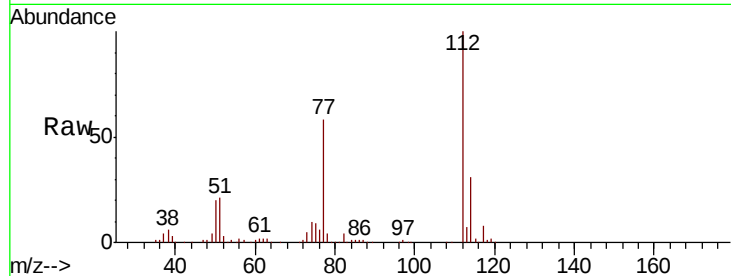
#65
Chlorobenzene
Concen: 51.945 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	121804		
114	31.2	27.8	41.8	

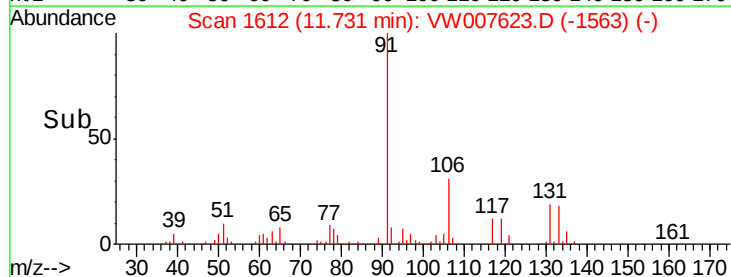
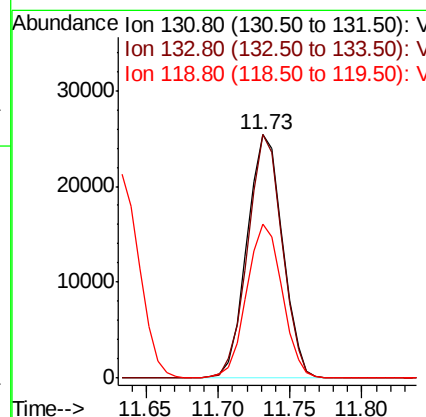
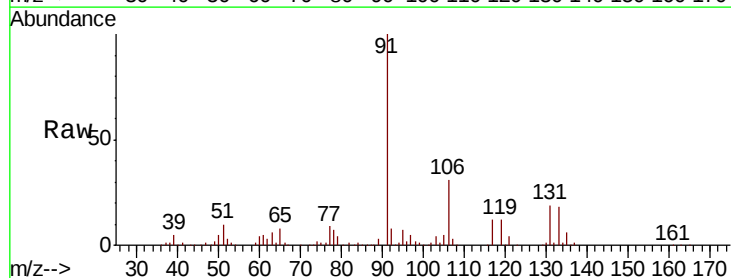
Manual Integrations
APPROVED

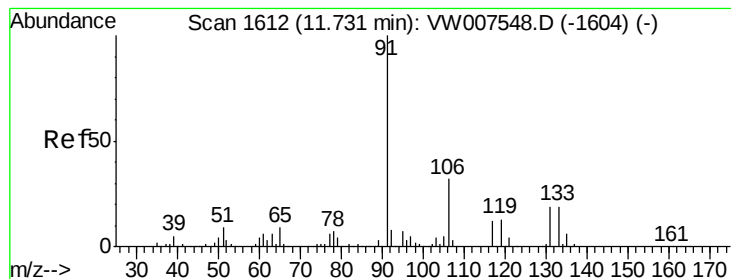
apatel
12/18/2018 11:30:45 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.417 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	43289		
133	96.6	47.1	141.4	
119	63.1	31.3	93.9	





#67

Ethyl Benzene

Concen: 54.827 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW007623.D

Acq: 17 Dec 2018 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 221031

Ion Ratio Lower Upper

91 100

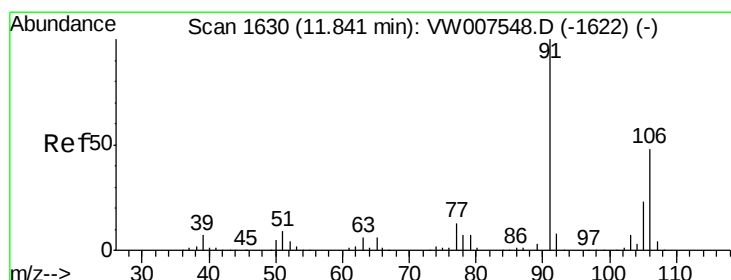
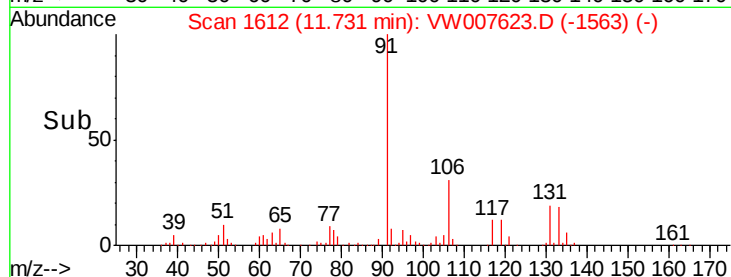
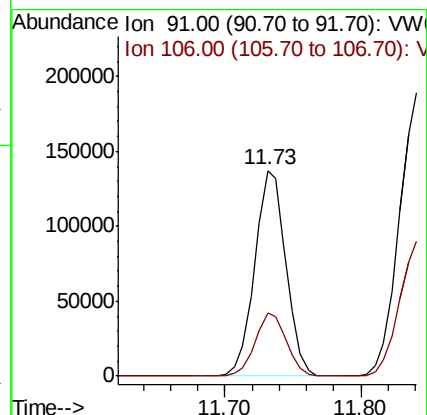
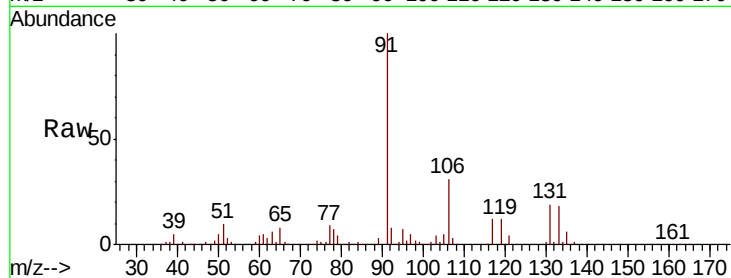
106 30.9 21.8 32.8

Manual Integrations

APPROVED

apatel

12/18/2018 11:30:45 AM



#68

m/p-Xylenes

Concen: 107.225 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW007623.D

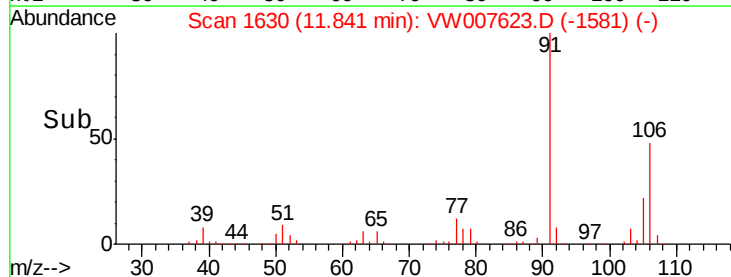
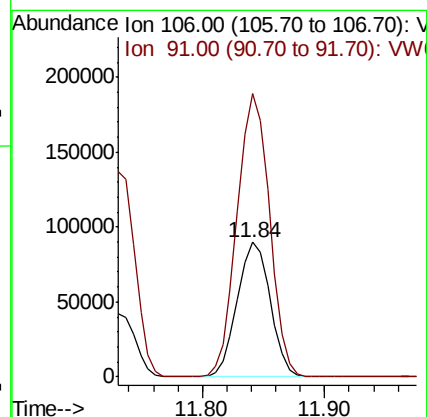
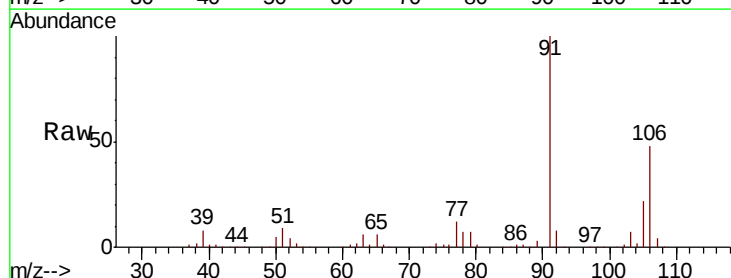
Acq: 17 Dec 2018 11:15

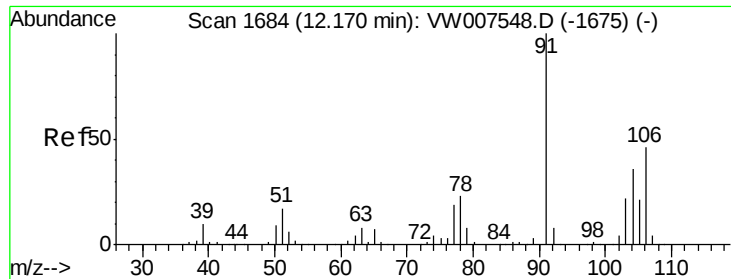
Tgt Ion: 106 Resp: 168049

Ion Ratio Lower Upper

106 100

91 208.0 165.3 247.9





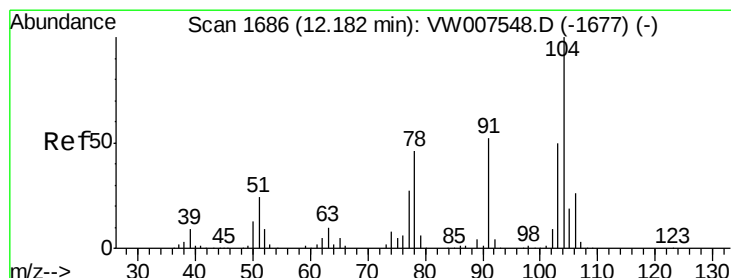
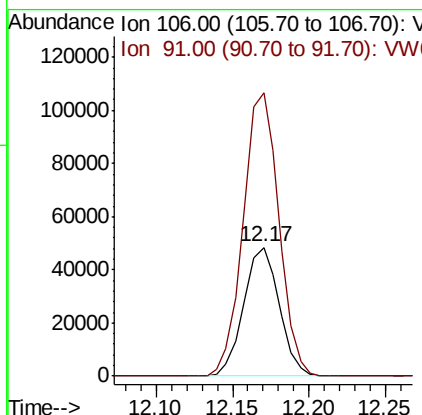
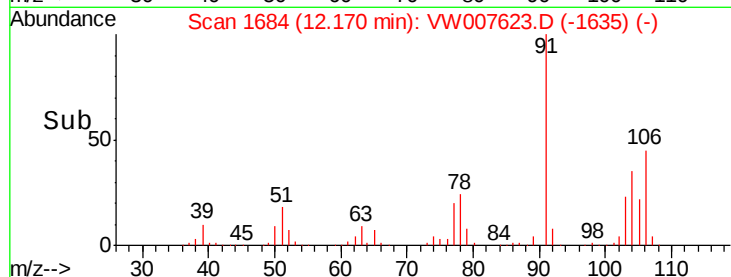
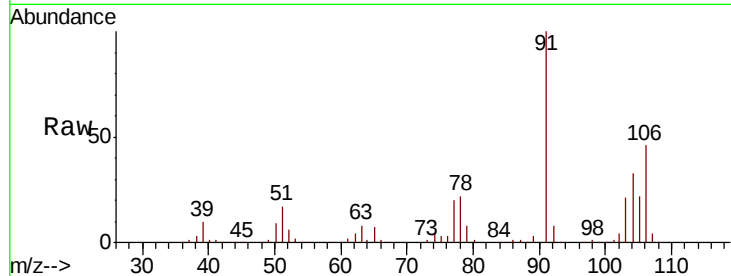
#69
o-Xylene
Concen: 53.563 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 78401
Ion Ratio Lower Upper
106 100
91 220.8 106.6 319.8

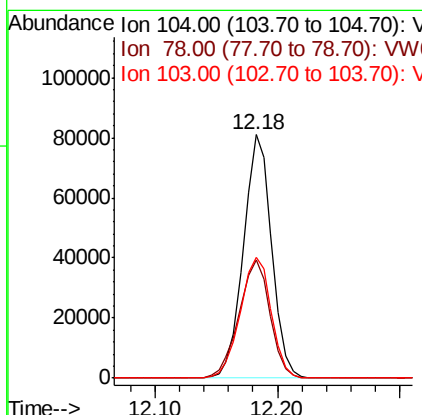
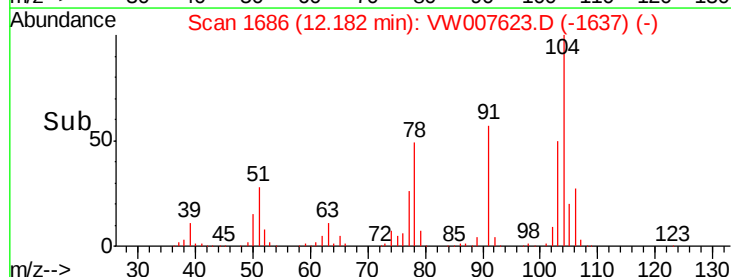
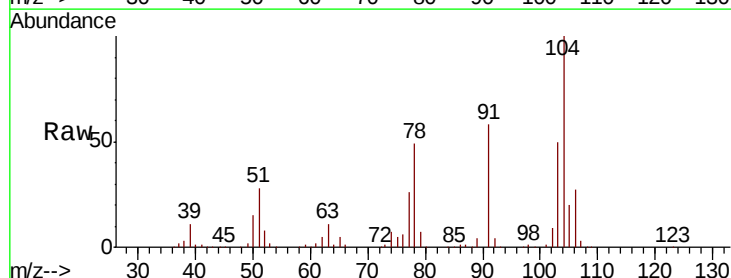
Manual Integrations
APPROVED

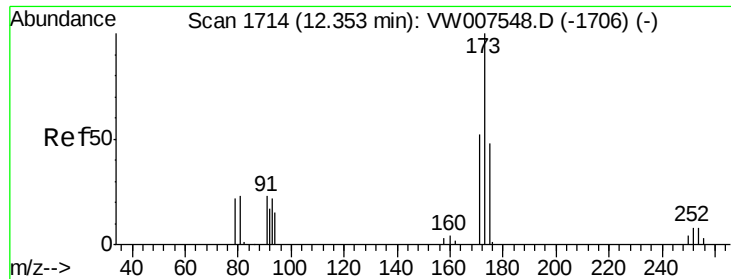
apatel
12/18/2018 11:30:45 AM



#70
Styrene
Concen: 54.699 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Tgt Ion:104 Resp: 129319
Ion Ratio Lower Upper
104 100
78 53.2 41.8 62.8
103 54.9 46.6 69.8





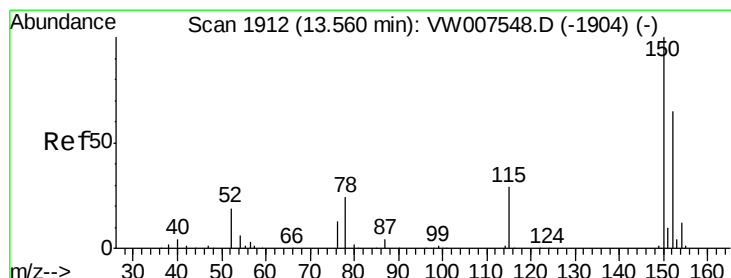
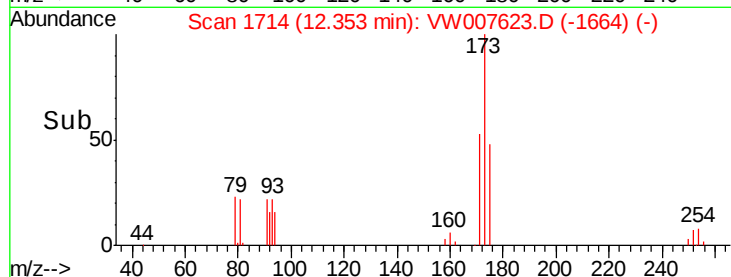
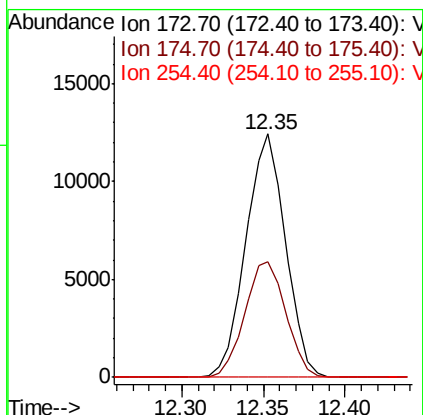
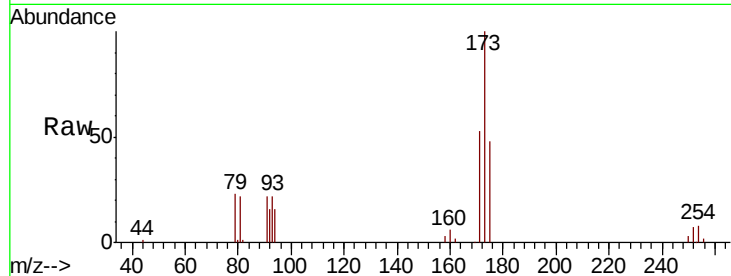
#71
Bromoform
Concen: 49.706 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	23.6	70.8
254	0.0	0.0	0.0

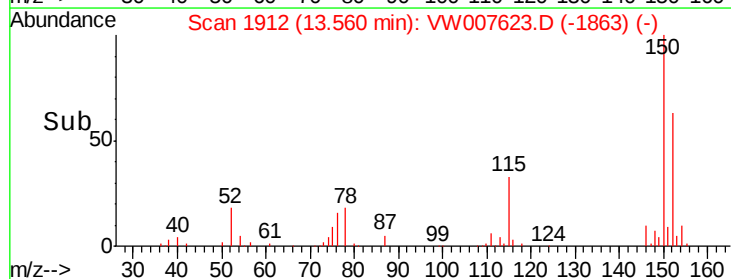
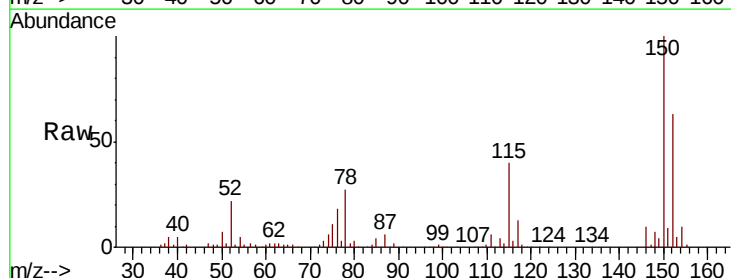
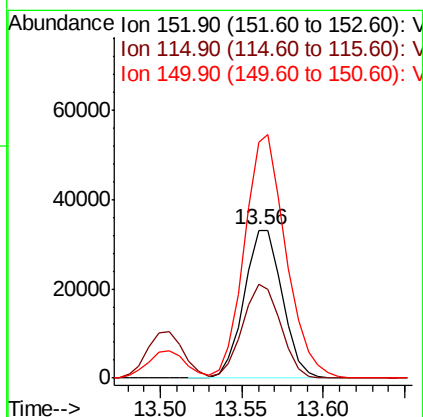
Manual Integrations
APPROVED

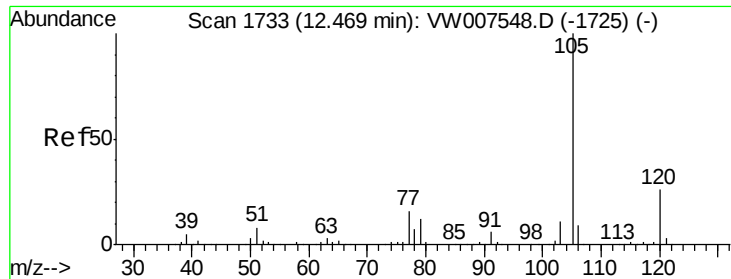
apatel
12/18/2018 11:30:45 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.3	31.4	94.2
150	177.6	0.0	358.4





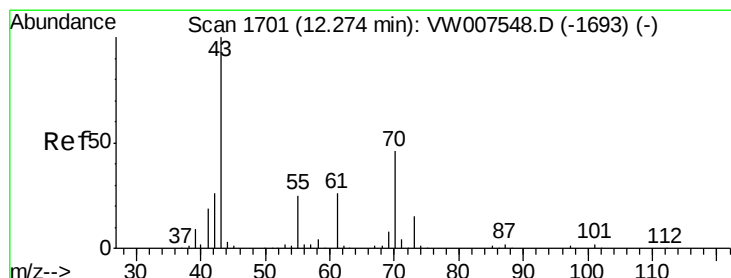
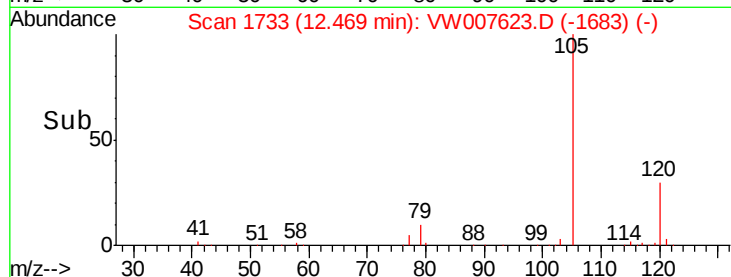
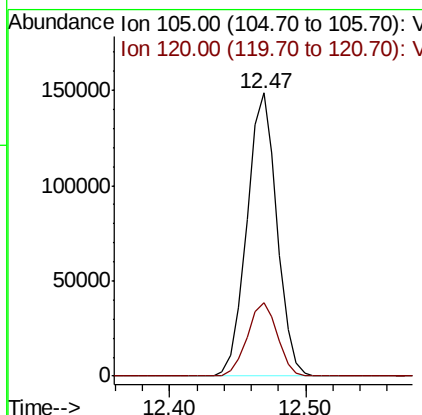
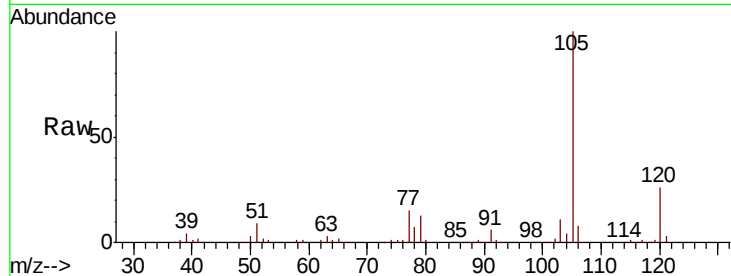
#73
Isopropylbenzene
Concen: 55.412 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 228984
Ion Ratio Lower Upper
105 100
120 26.1 12.8 38.4

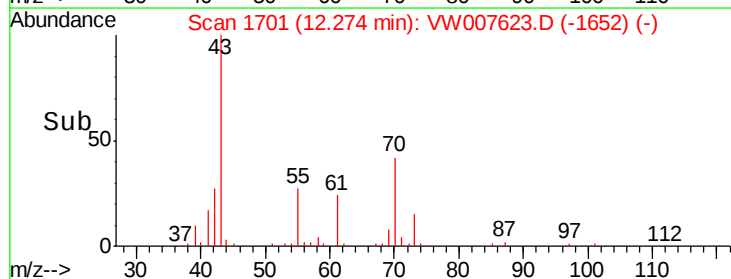
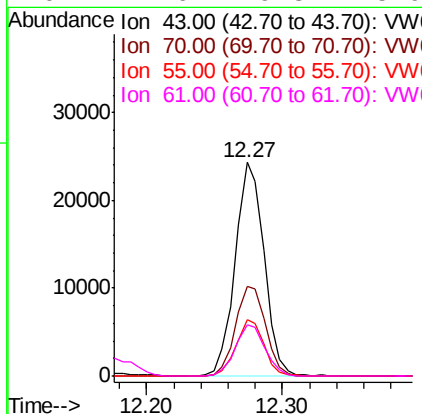
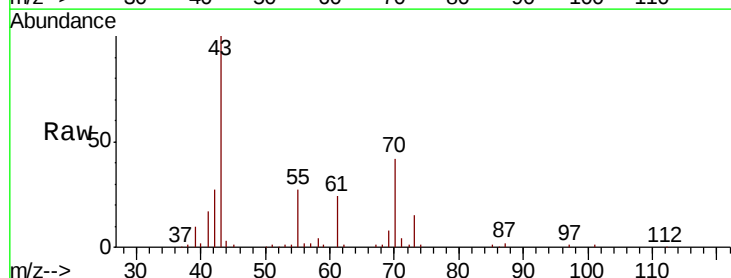
Manual Integrations
APPROVED

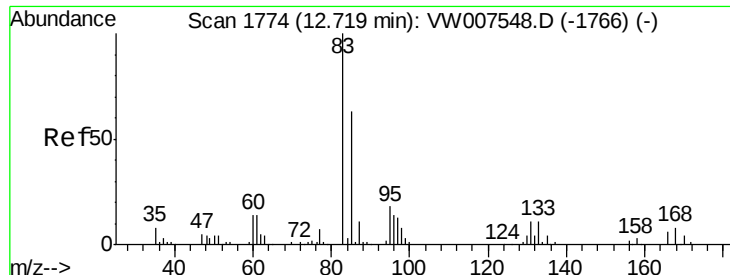
apatel
12/18/2018 11:30:45 AM



#74
N-ethyl acetate
Concen: 47.905 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Tgt Ion: 43 Resp: 35978
Ion Ratio Lower Upper
43 100
70 43.6 36.5 54.7
55 25.5 20.1 30.1
61 24.6 19.3 28.9





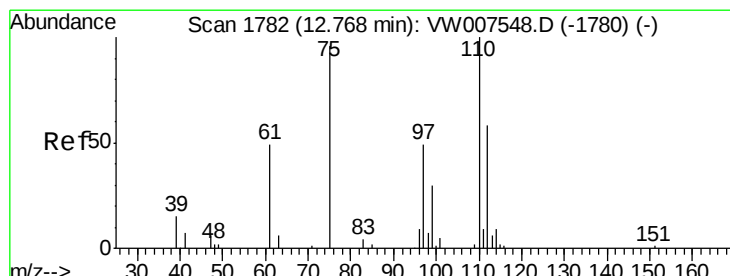
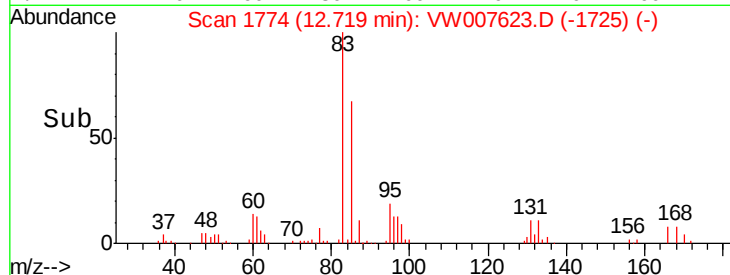
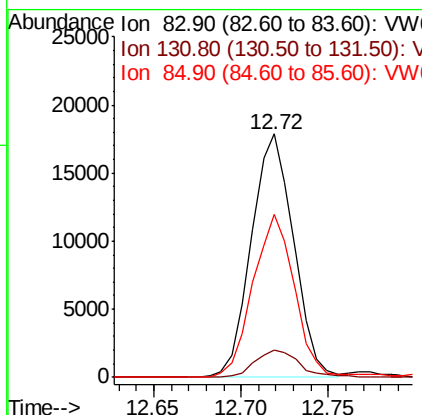
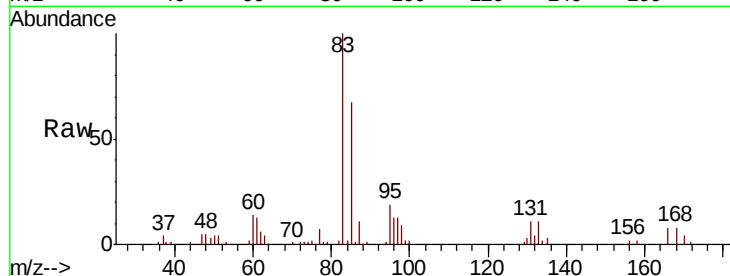
#75
 1,1,2,2-Tetrachloroethane
 Concen: 48.978 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: VW007623.D
 Acq: 17 Dec 2018 11:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	83	Resp	29977
Ion Ratio	100	Lower	Upper
83	100		
131	11.8	5.9	17.8
85	65.5	30.0	90.0

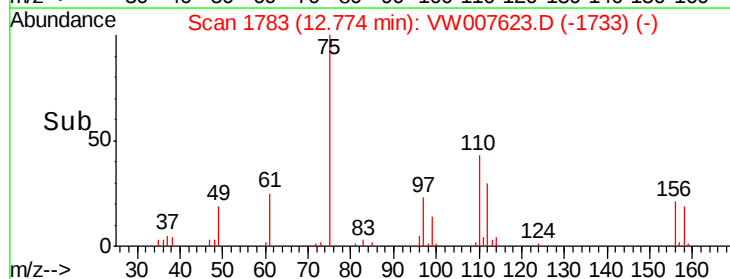
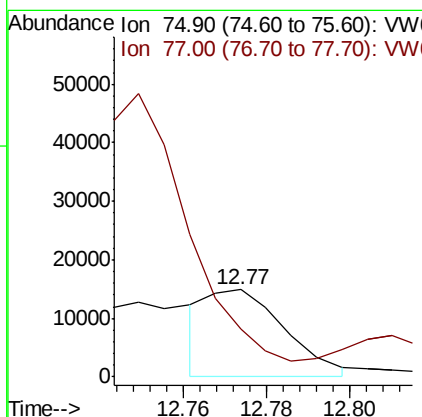
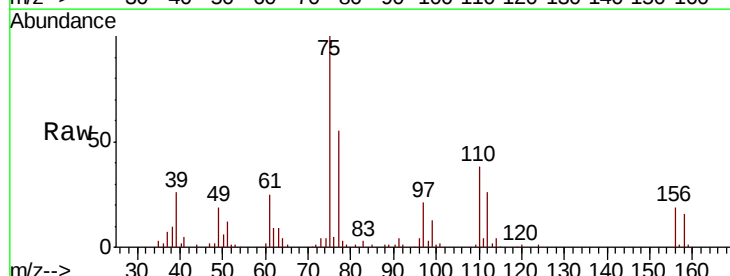
Manual Integrations
 APPROVED

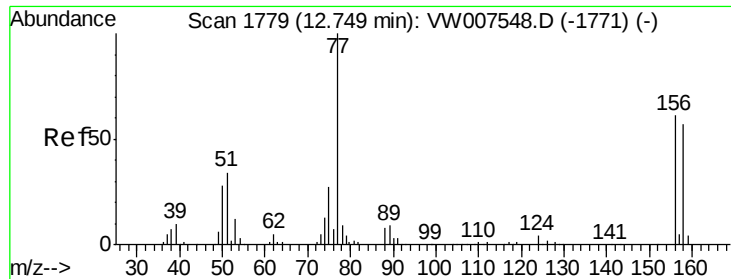
apatel
 12/18/2018 11:30:45 AM



#76
 1,2,3-Trichloropropane
 Concen: 43.704 ug/l m
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: VW007623.D
 Acq: 17 Dec 2018 11:15

Tgt Ion	75	Resp	19434
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	166.9	500.8#





#77

Bromobenzene

Concen: 51.590 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007623.D

Acq: 17 Dec 2018 11:15

Instrument :

MSVOA_W

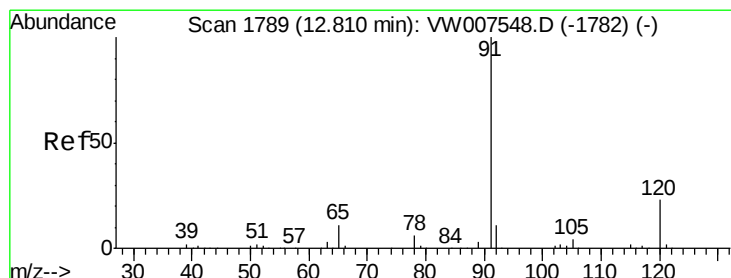
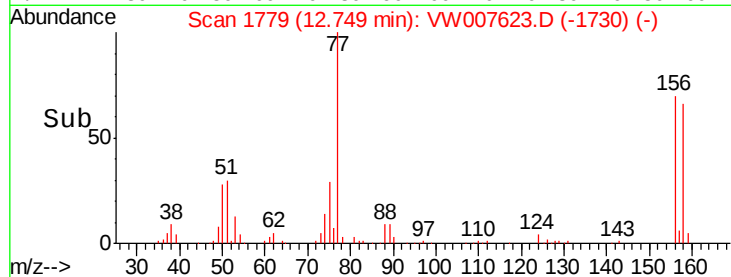
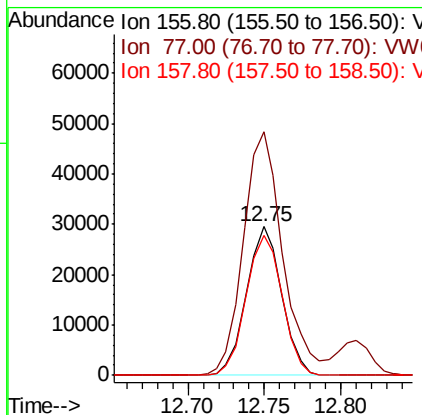
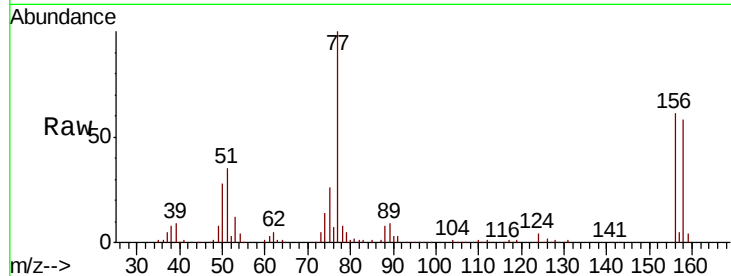
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	181.7	88.1	264.4	
158	96.7	45.6	136.7	

Manual Integrations
APPROVED

apatel
12/18/2018 11:30:45 AM



#78

n-propylbenzene

Concen: 56.843 ug/l

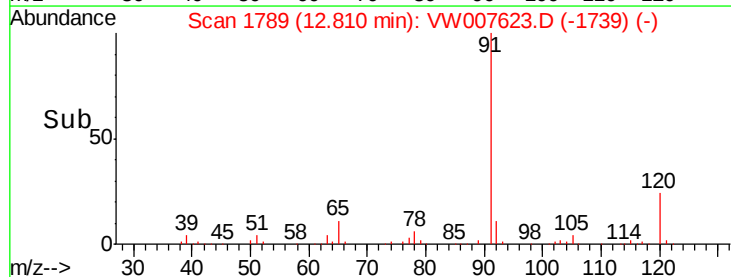
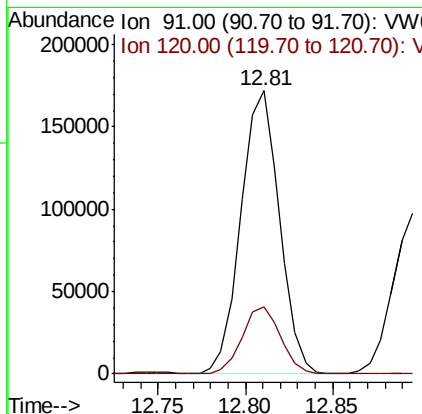
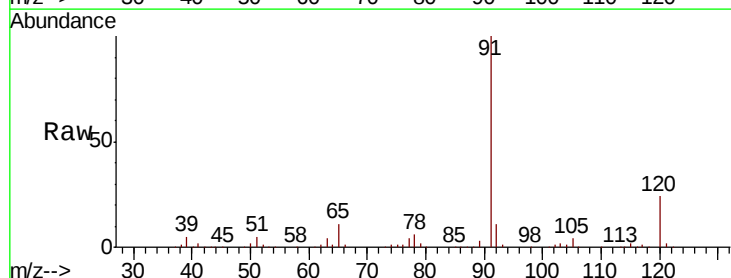
RT: 12.81 min Scan# 1789

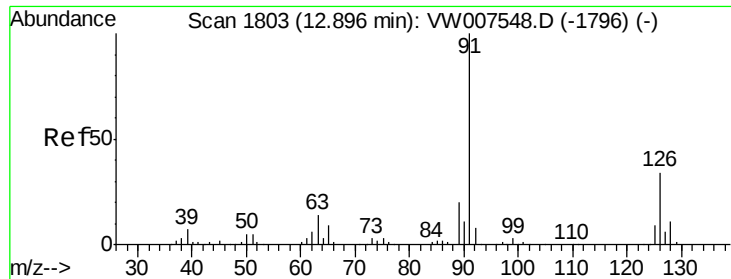
Delta R.T. 0.01 min

Lab File: VW007623.D

Acq: 17 Dec 2018 11:15

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.6	11.9	35.5	





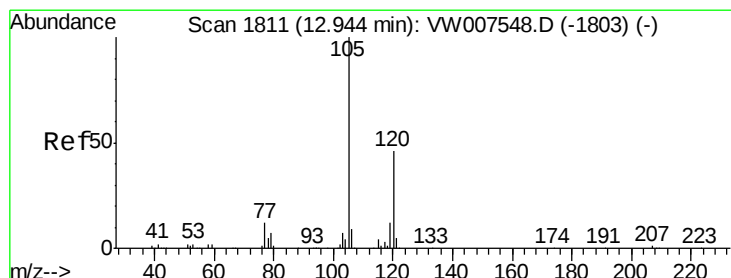
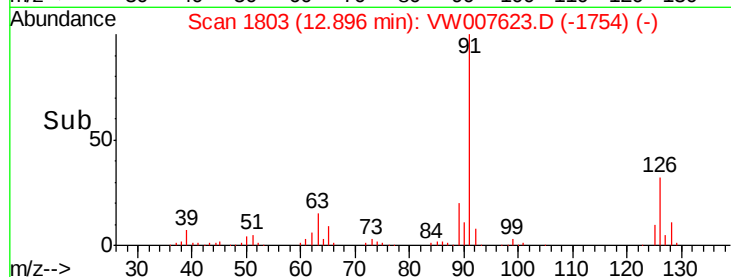
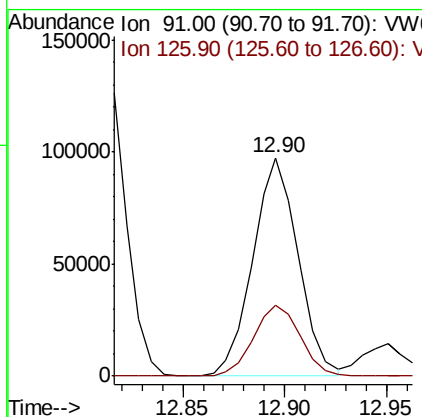
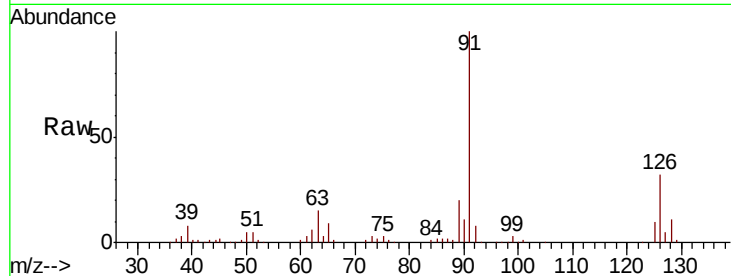
#79
 2-Chlorotoluene
 Concen: 53.587 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007623.D
 Acq: 17 Dec 2018 11:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 150793
 Ion Ratio Lower Upper
 91 100
 126 33.5 15.9 47.6

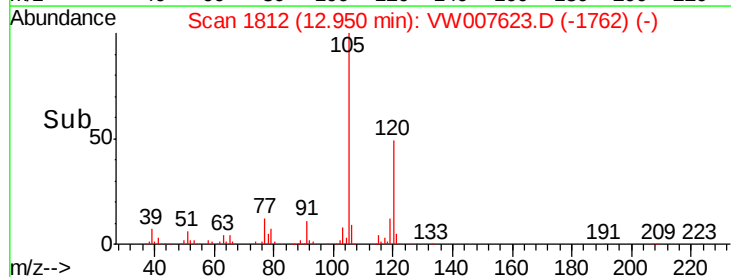
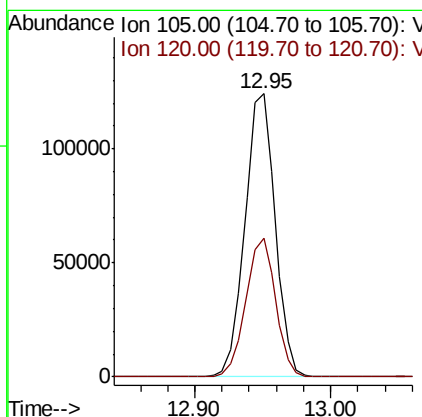
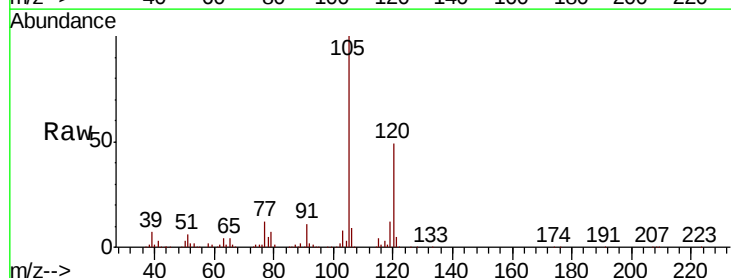
Manual Integrations
 APPROVED

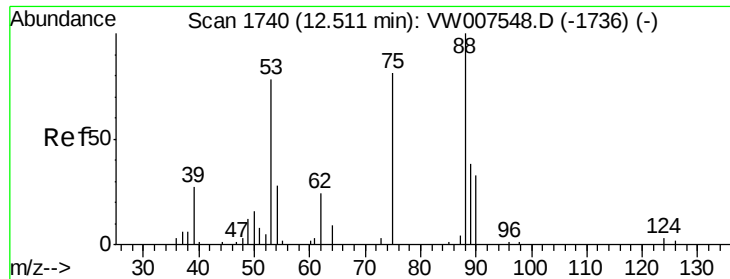
apatel
 12/18/2018 11:30:45 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 55.708 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW007623.D
 Acq: 17 Dec 2018 11:15

Tgt Ion: 105 Resp: 193430
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.8 71.4





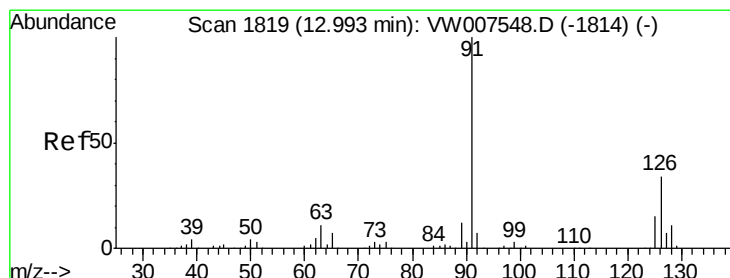
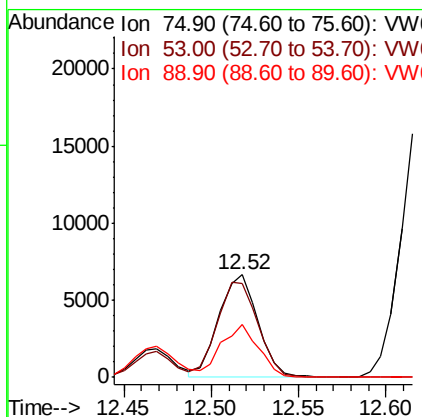
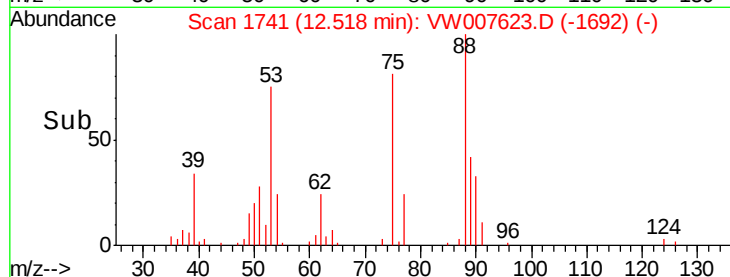
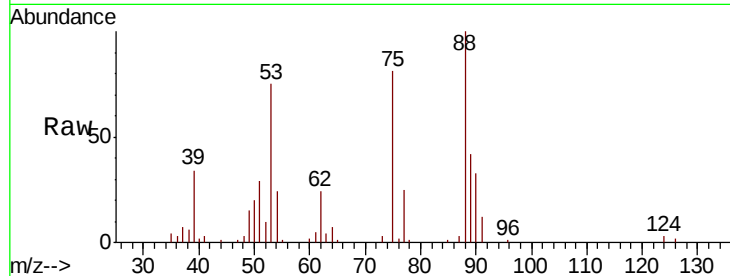
#81
trans-1,4-Dichloro-2-butene
Concen: 52.012 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.7	84.9	127.3
89	47.9	40.3	60.5

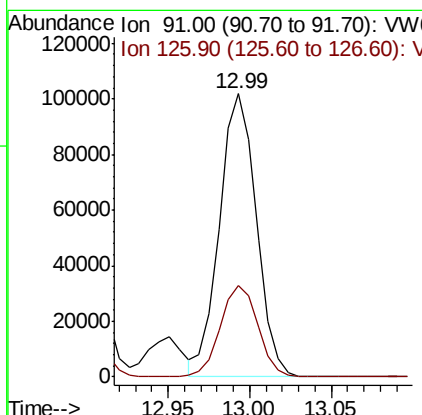
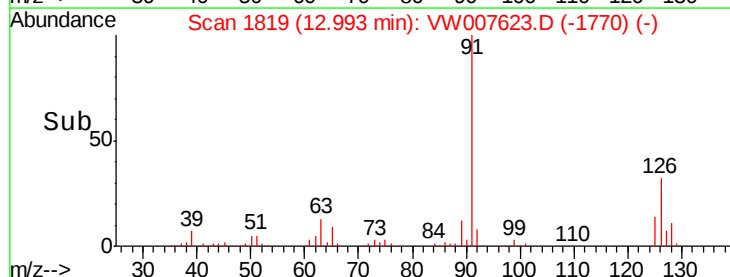
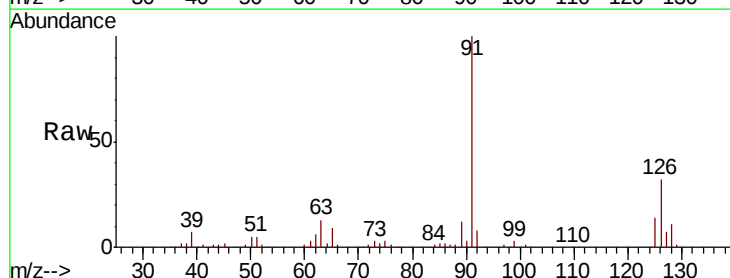
Manual Integrations
APPROVED

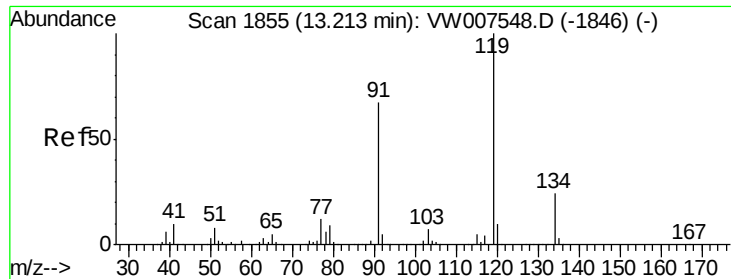
apatel
12/18/2018 11:30:45 AM



#82
4-Chlorotoluene
Concen: 54.050 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.0	48.0





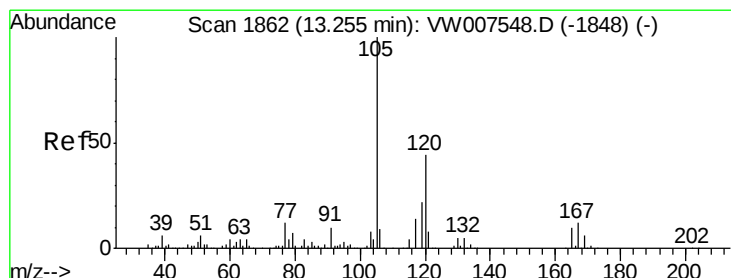
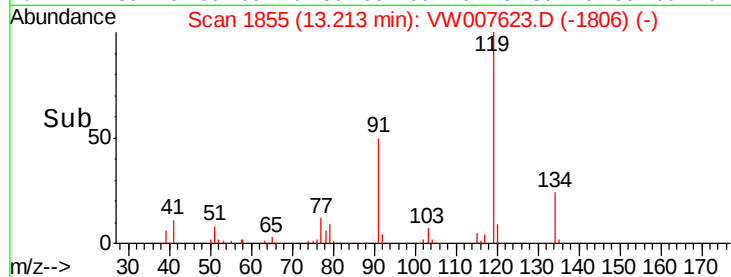
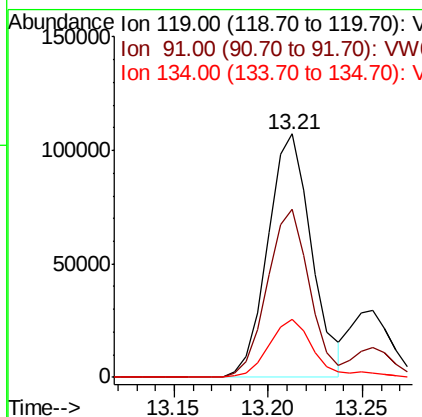
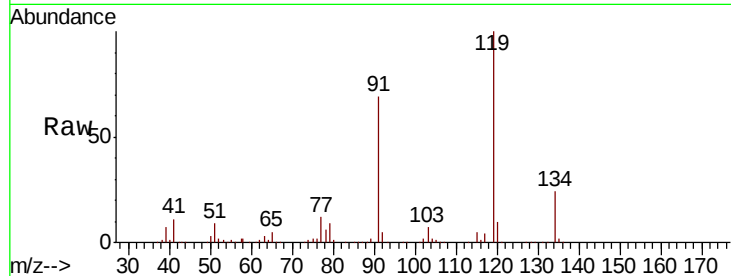
#83
tert-Butylbenzene
Concen: 56.535 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	172971		
91	66.6	33.1	99.2	
134	24.9	12.5	37.5	

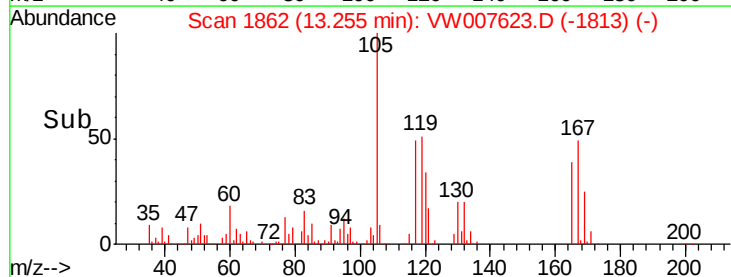
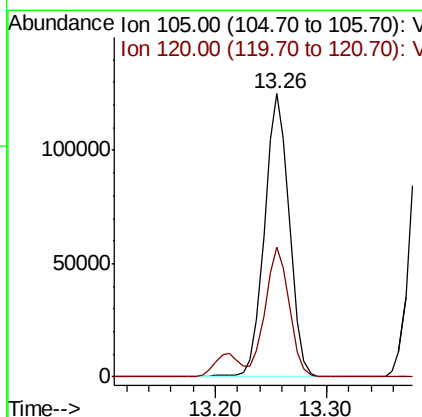
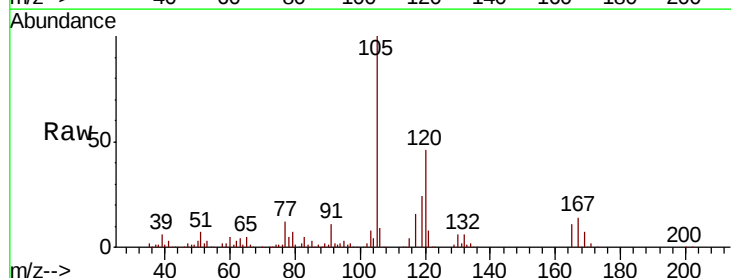
Manual Integrations
APPROVED

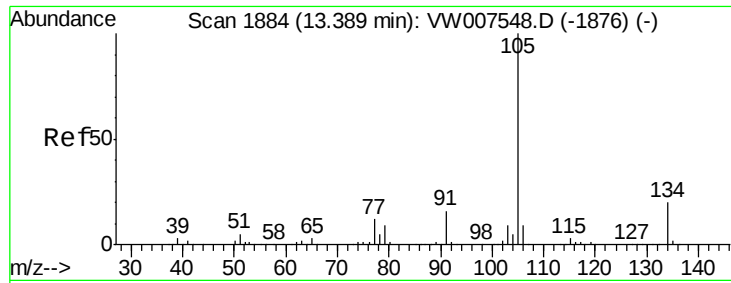
apatel
12/18/2018 11:30:45 AM



#84
1,2,4-Trimethylbenzene
Concen: 54.235 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	193789		
120	44.0	22.6	67.7	





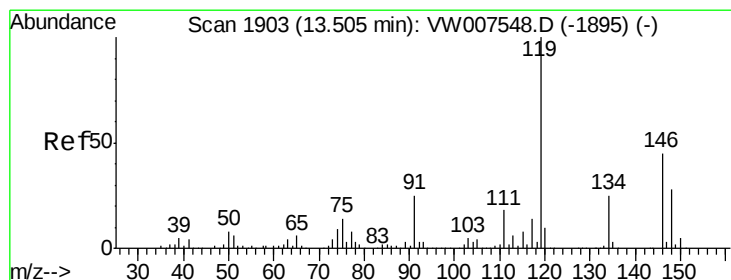
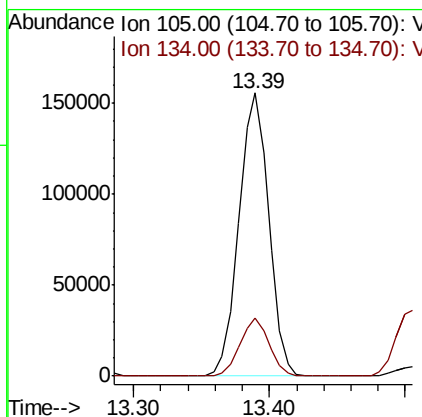
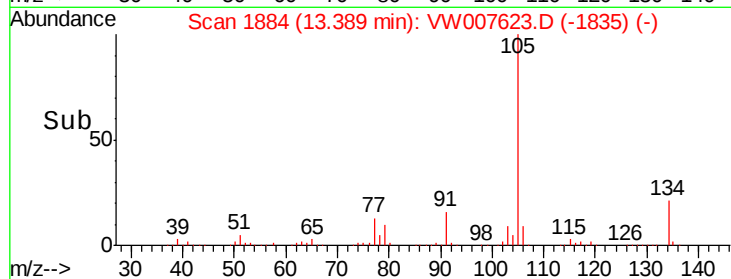
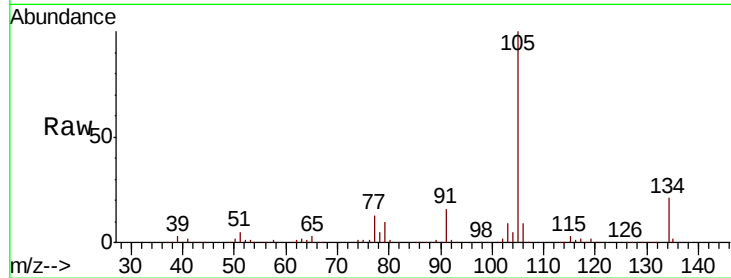
#85
 sec-Butylbenzene
 Concen: 57.089 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007623.D
 Acq: 17 Dec 2018 11:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	11.1	33.3

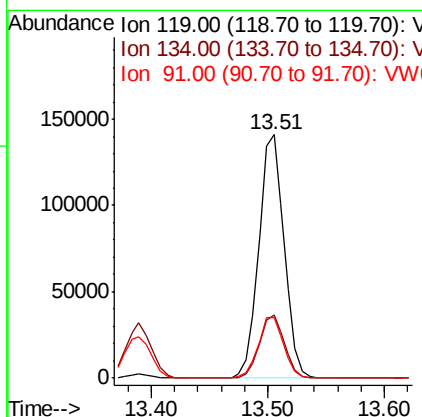
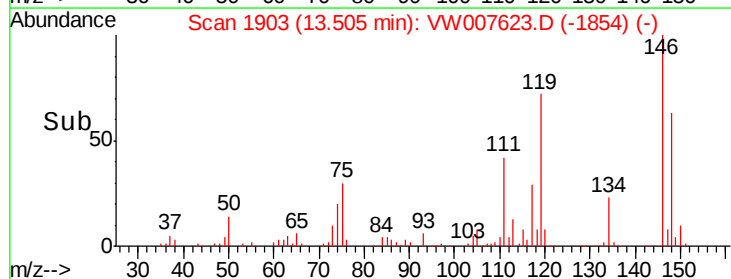
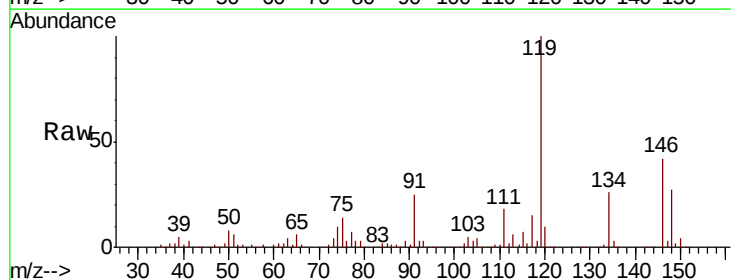
Manual Integrations
 APPROVED

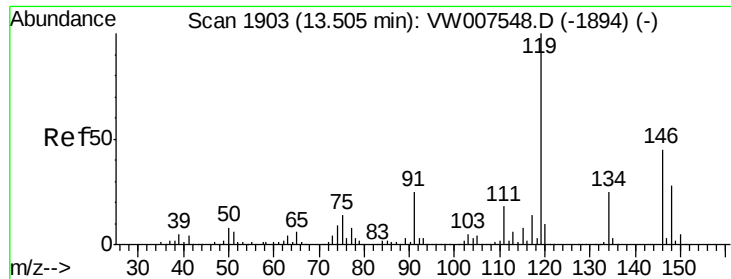
apatel
 12/18/2018 11:30:45 AM



#86
 p-Isopropyltoluene
 Concen: 57.011 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007623.D
 Acq: 17 Dec 2018 11:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.9	38.7
91	25.2	11.9	35.9





#87

1,3-Dichlorobenzene

Concen: 53.180 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW007623.D

Acq: 17 Dec 2018 11:15

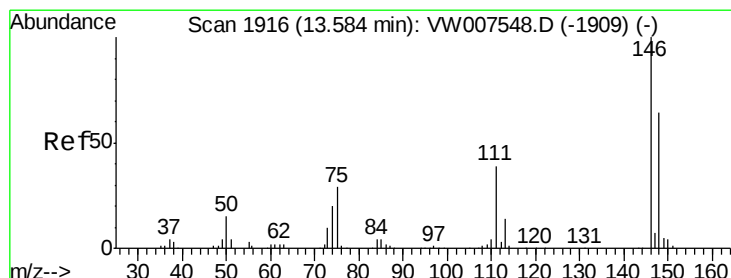
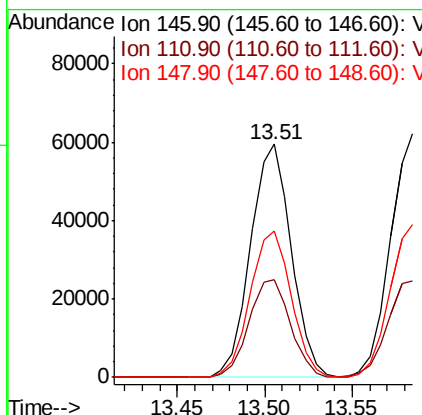
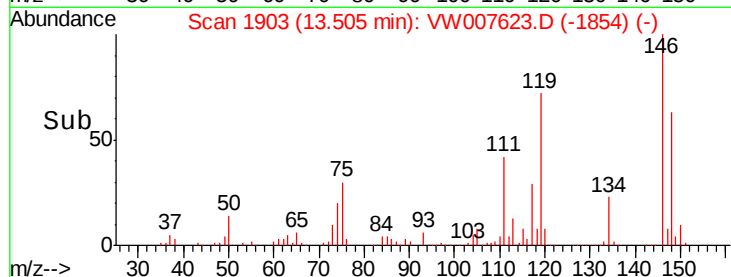
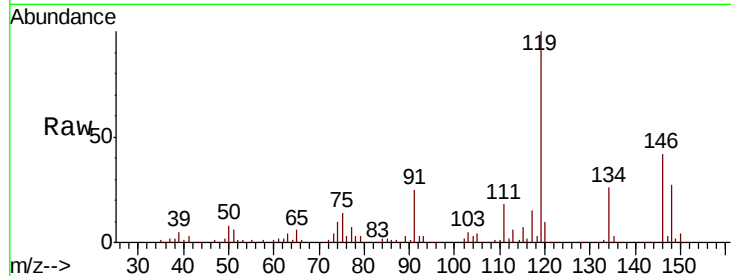
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.1	60.3
148	63.3	31.4	94.0

Manual Integrations
APPROVED

apatel
12/18/2018 11:30:45 AM



#88

1,4-Dichlorobenzene

Concen: 52.689 ug/l

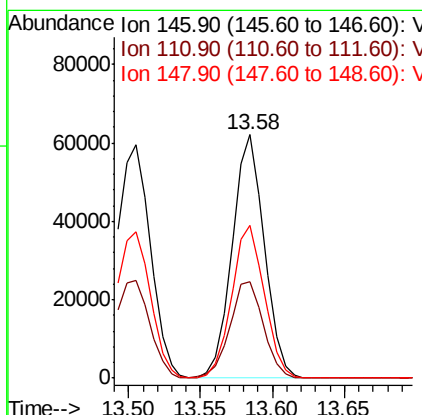
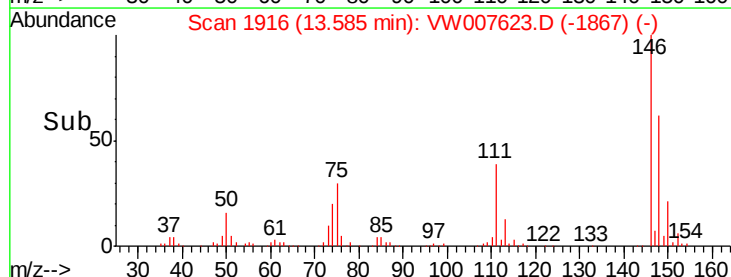
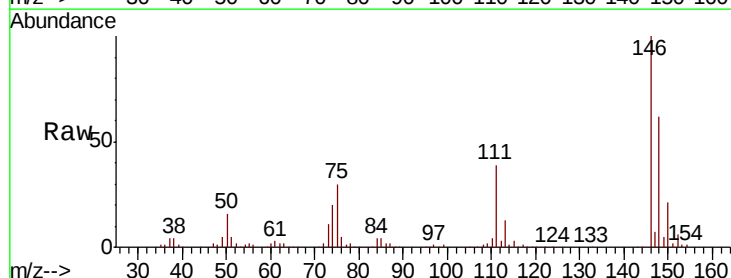
RT: 13.58 min Scan# 1916

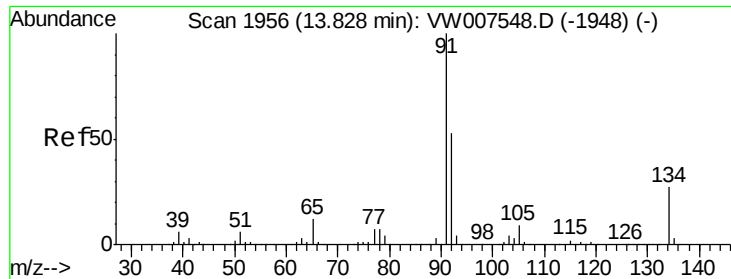
Delta R.T. -0.00 min

Lab File: VW007623.D

Acq: 17 Dec 2018 11:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.3	61.0
148	63.6	33.5	100.5





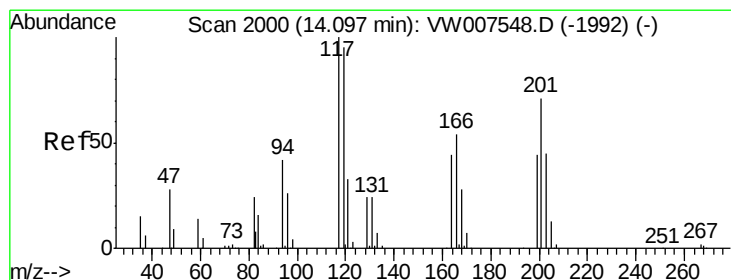
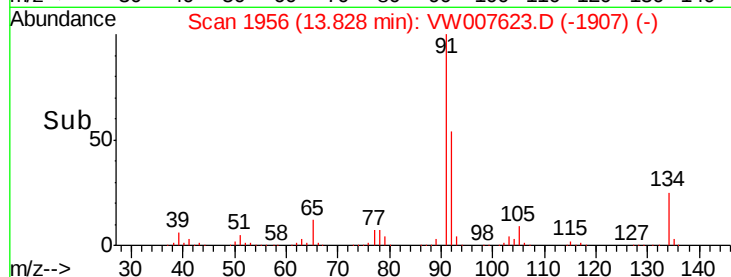
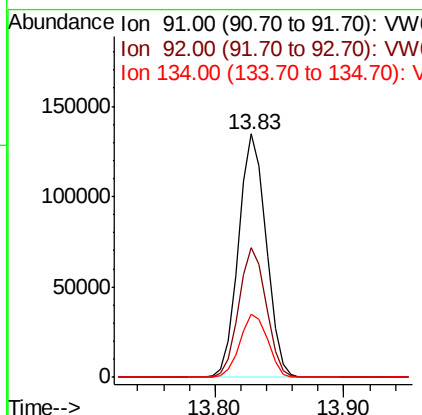
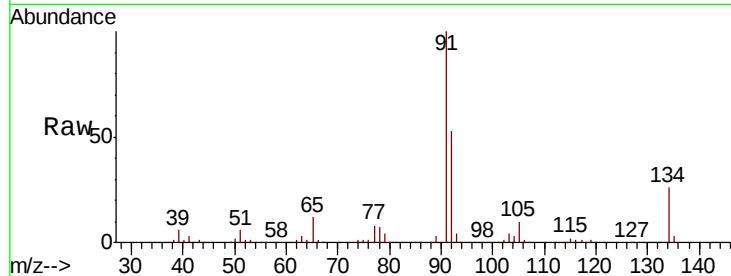
#89
n-Butylbenzene
Concen: 57.365 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	25.7	77.1
134	26.1	13.4	40.2

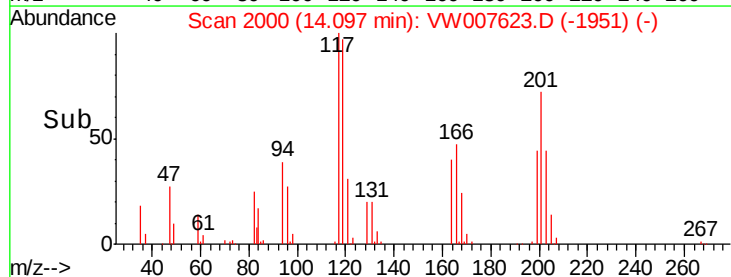
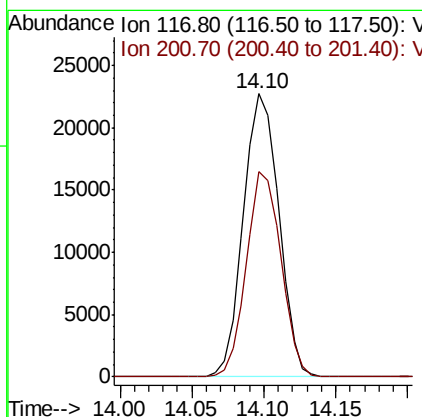
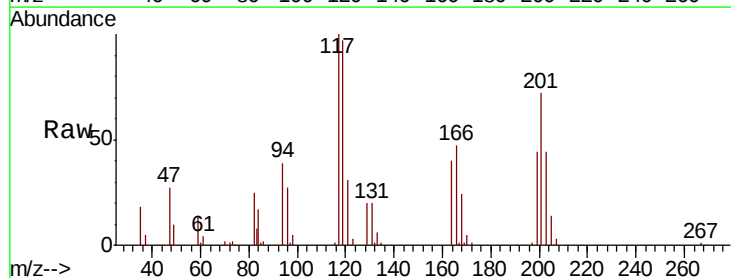
Manual Integrations
APPROVED

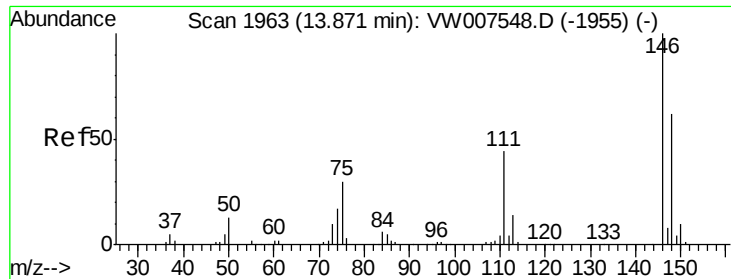
apatel
12/18/2018 11:30:45 AM



#90
Hexachloroethane
Concen: 58.217 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.4	35.3	105.9





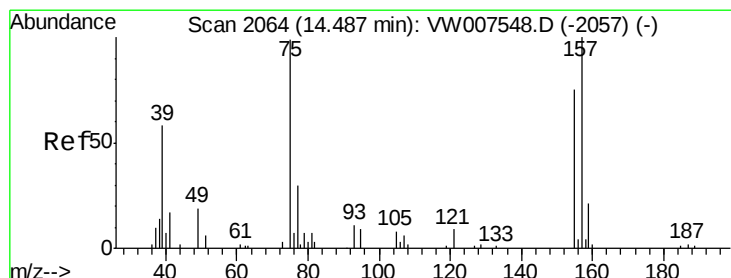
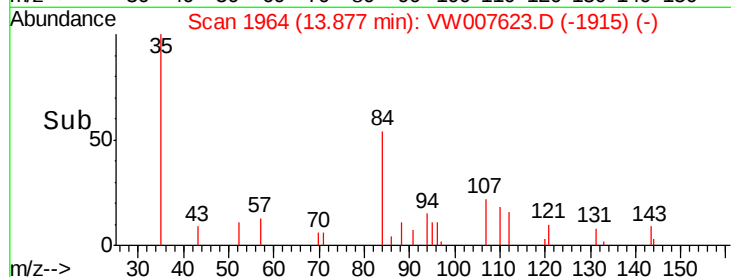
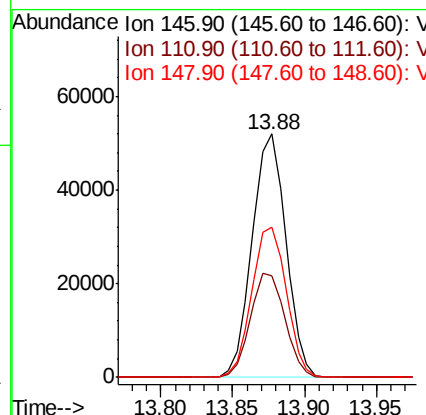
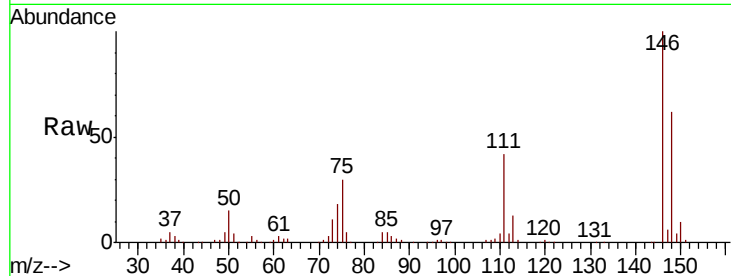
#91
 1,2-Dichlorobenzene
 Concen: 51.592 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW007623.D
 Acq: 17 Dec 2018 11:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.4	67.2
148	63.3	32.4	97.2

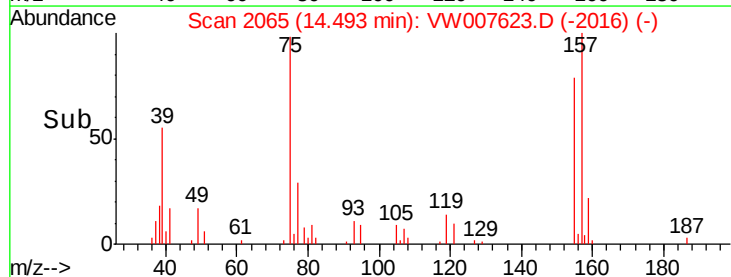
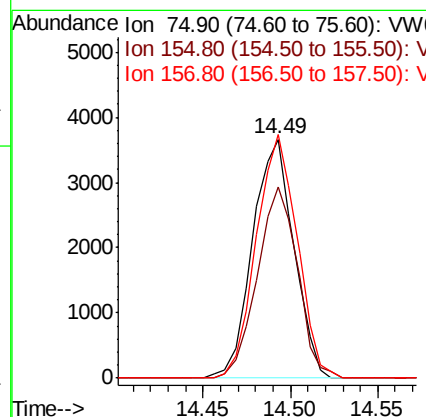
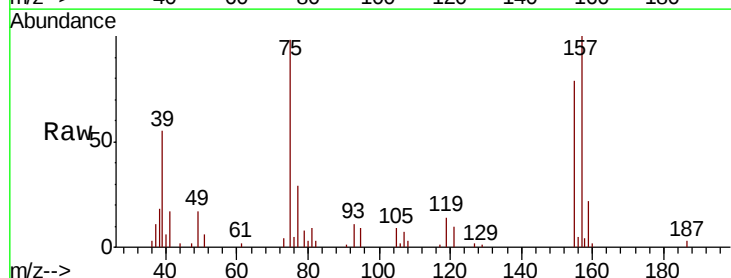
Manual Integrations
 APPROVED

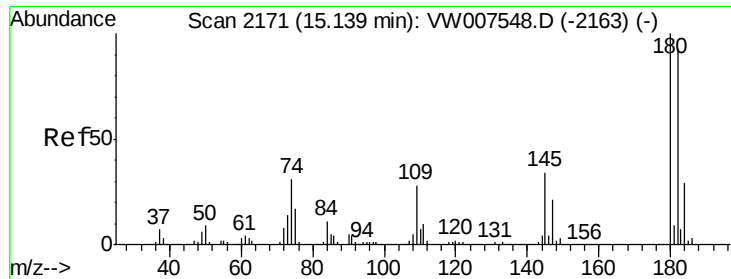
apatel
 12/18/2018 11:30:45 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.817 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW007623.D
 Acq: 17 Dec 2018 11:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.0	40.8	122.2
157	100.8	51.1	153.4





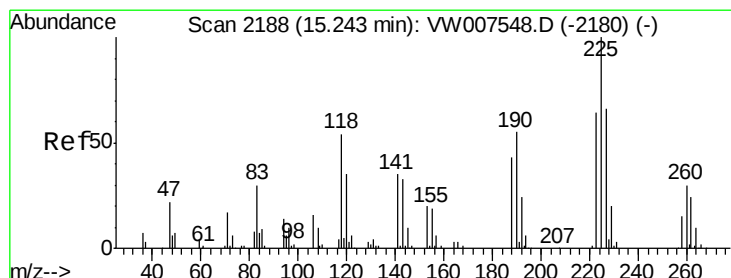
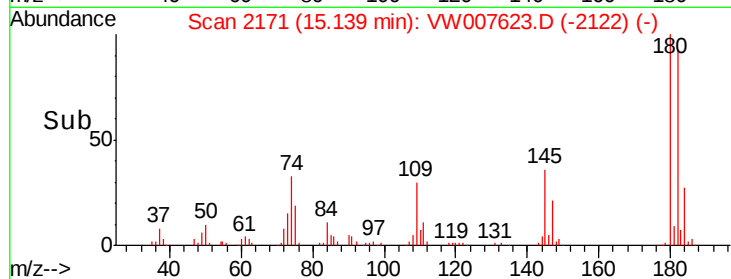
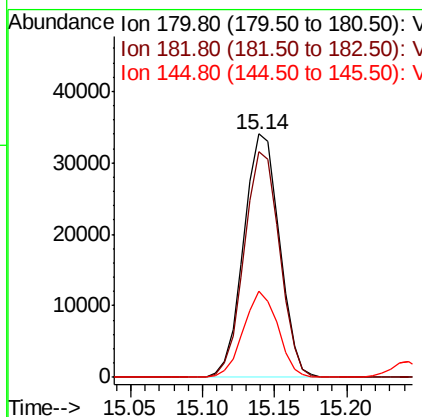
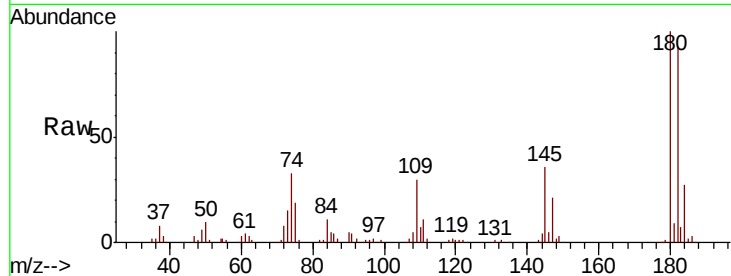
#93
 1,2,4-Trichlorobenzene
 Concen: 51.978 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007623.D
 Acq: 17 Dec 2018 11:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	58512		
182	91.8	49.9	149.6	
145	34.1	17.8	53.4	

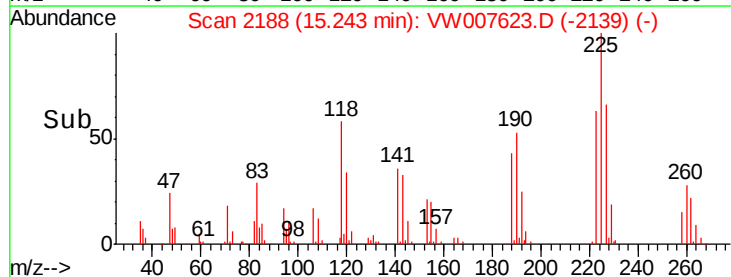
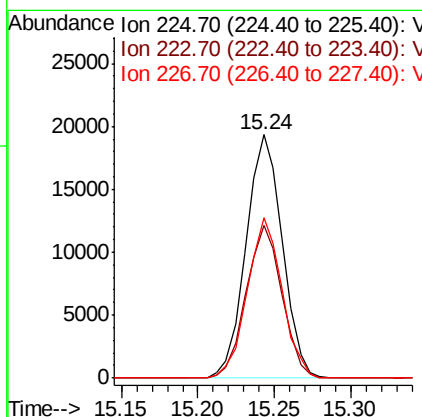
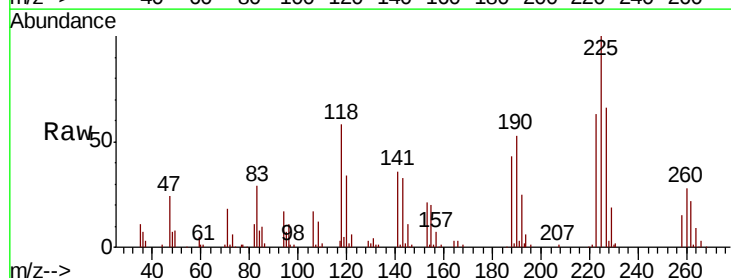
Manual Integrations
 APPROVED

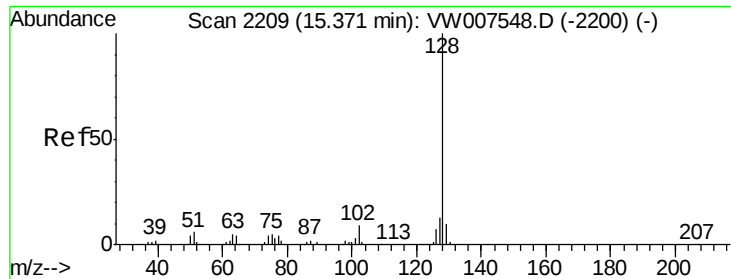
apatel
 12/18/2018 11:30:45 AM



#94
 Hexachlorobutadiene
 Concen: 53.330 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007623.D
 Acq: 17 Dec 2018 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	31853		
223	62.1	32.1	96.3	
227	63.1	31.9	95.9	





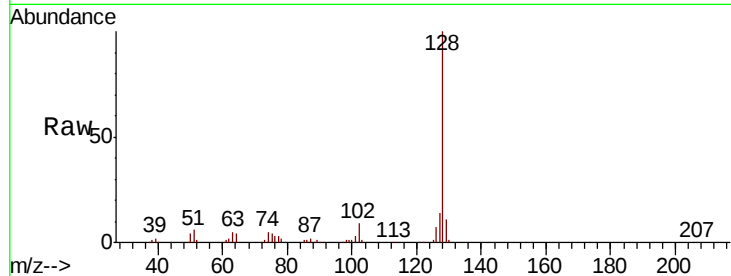
#95
Naphthalene
Concen: 47.554 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	11.1	8.3	12.5

Manual Integrations
APPROVED

apatel
12/18/2018 11:30:45 AM

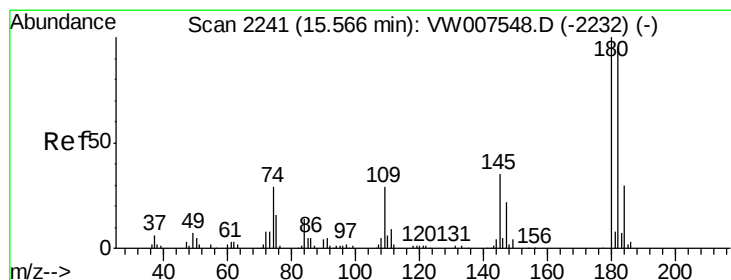
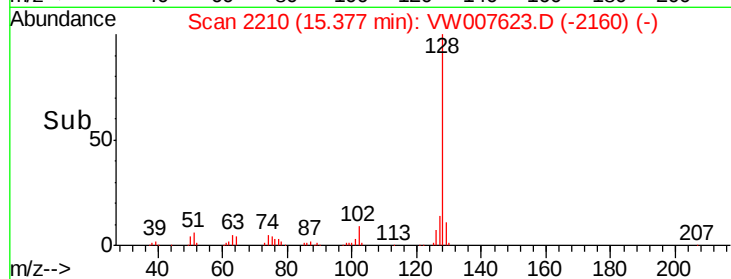
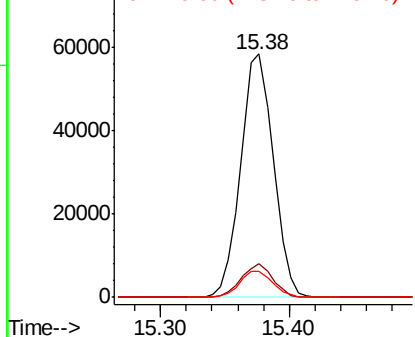


Abundance

Ion 128.00 (127.70 to 128.70): V

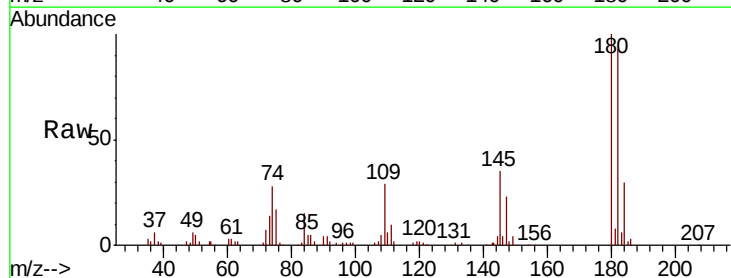
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 49.970 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW007623.D
Acq: 17 Dec 2018 11:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	45.6	136.7
145	35.2	17.5	52.5



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

