

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071018\
 Data File : VW003818.D
 Acq On : 10 Jul 2018 11:50
 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
 7/11/2018 12:17:57 PM

Quant Time: Jul 10 13:49:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	216792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	330271	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	311346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	170031	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	128585	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	
35) Dibromofluoromethane	7.88	113	113522	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
50) Toluene-d8	10.32	98	459333	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
62) 4-Bromofluorobenzene	12.62	95	164666	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	49384	46.84	ug/l	99
3) Chloromethane	2.20	50	87544	43.74	ug/l	95
4) Vinyl Chloride	2.36	62	125241	47.44	ug/l	97
5) Bromomethane	2.78	94	81655	43.82	ug/l	100
6) Chloroethane	2.92	64	75960	47.98	ug/l	97
7) Trichlorofluoromethane	3.24	101	54188	50.81	ug/l	100
8) Diethyl Ether	3.67	74	53892	49.31	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.04	101	109702	52.89	ug/l	98
10) Methyl Iodide	4.26	142	153537	49.73	ug/l	99
11) Tert butyl alcohol	5.23	59	33431	217.59	ug/l	99
12) 1,1-Dichloroethene	4.03	96	107217	52.65	ug/l	98
13) Acrolein	3.89	56	63072	340.02	ug/l	100
14) Allyl chloride	4.65	41	174717	49.35	ug/l	99
15) Acrylonitrile	5.37	53	125955	230.12	ug/l	99
16) Acetone	4.14	43	146047	296.92	ug/l	99
17) Carbon Disulfide	4.37	76	325550	48.76	ug/l	100
18) Methyl Acetate	4.68	43	62630	45.16	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	194820	46.29	ug/l	99
20) Methylene Chloride	4.91	84	113154	46.94	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	116087	48.15	ug/l	98
22) Diisopropyl ether	6.31	45	370734	47.63	ug/l	99
23) Vinyl Acetate	6.25	43	1152244	242.49	ug/l	99
24) 1,1-Dichloroethane	6.21	63	219880	46.70	ug/l	100
25) 2-Butanone	7.18	43	190336	247.06	ug/l	96
26) 2,2-Dichloropropane	7.17	77	128225	50.21	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	124574	46.73	ug/l	99
28) Bromochloromethane	7.51	49	90215	43.02	ug/l	99
29) Tetrahydrofuran	7.54	42	113437	229.05	ug/l	99
30) Chloroform	7.67	83	224913	46.83	ug/l	98
31) Cyclohexane	7.95	56	198603	48.01	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	175056	47.89	ug/l	100
36) 1,1-Dichloropropene	8.08	75	183454	52.35	ug/l	99
37) Ethyl Acetate	7.26	43	78530	46.06	ug/l	99
38) Carbon Tetrachloride	8.07	117	172508	51.78	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071018\
 Data File : VW003818.D
 Acq On : 10 Jul 2018 11:50
 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
 7/11/2018 12:17:57 PM

Quant Time: Jul 10 13:49:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	211702	55.16	ug/l	99
40) Benzene	8.32	78	496313	49.54	ug/l	98
41) Methacrylonitrile	7.49	41	46715	47.63	ug/l	97
42) 1,2-Dichloroethane	8.40	62	154581	47.68	ug/l	100
43) Isopropyl Acetate	8.43	43	152096	47.06	ug/l	99
44) Trichloroethene	9.09	130	126266	49.99	ug/l	100
45) 1,2-Dichloropropane	9.37	63	128220	49.22	ug/l	100
46) Dibromomethane	9.46	93	65719	47.98	ug/l	98
47) Bromodichloromethane	9.65	83	164670	48.87	ug/l	100
48) Methyl methacrylate	9.44	41	74658	48.51	ug/l	98
49) 1,4-Dioxane	9.48	88	19771	965.80	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	411229	245.91	ug/l	100
52) Toluene	10.39	92	319428	51.42	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	173528	51.58	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	193797	51.03	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	92060	48.39	ug/l	96
56) Ethyl methacrylate	10.65	69	120392	51.86	ug/l	99
57) 1,3-Dichloropropane	10.93	76	160050	48.27	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	300768	246.28	ug/l	99
59) 2-Hexanone	10.98	43	306254	266.69	ug/l	100
60) Dibromochloromethane	11.13	129	110560	49.79	ug/l	100
61) 1,2-Dibromoethane	11.24	107	87403	48.04	ug/l	99
64) Tetrachloroethene	10.87	164	108159	46.96	ug/l	97
65) Chlorobenzene	11.66	112	346660	50.51	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	121576	50.69	ug/l	99
67) Ethyl Benzene	11.74	91	634540	54.07	ug/l	100
68) m/p-Xylenes	11.84	106	487434	108.46	ug/l	99
69) o-Xylene	12.17	106	223093	53.80	ug/l	100
70) Styrene	12.18	104	384928	54.59	ug/l	99
71) Bromoform	12.35	173	67149	50.73	ug/l #	99
73) Isopropylbenzene	12.47	105	633258	54.99	ug/l	100
74) N-amyl acetate	12.28	43	154160	49.39	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	113347	48.56	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	76076m	45.56	ug/l	
77) Bromobenzene	12.75	156	143470	50.19	ug/l	97
78) n-propylbenzene	12.81	91	796831	55.13	ug/l	100
79) 2-Chlorotoluene	12.90	91	436416	52.55	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	544059	54.82	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	38037	55.73	ug/l	96
82) 4-Chlorotoluene	12.99	91	467473	52.35	ug/l	99
83) tert-Butylbenzene	13.21	119	457307	55.87	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	557197	54.04	ug/l	100
85) sec-Butylbenzene	13.39	105	680446	55.57	ug/l	100
86) p-Isopropyltoluene	13.51	119	598779	55.97	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	296761	51.24	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	289670	49.74	ug/l	99
89) n-Butylbenzene	13.83	91	598411	56.86	ug/l	99
90) Hexachloroethane	14.10	117	108315	52.56	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	259978	49.87	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19574	48.44	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071018\
Data File : VW003818.D
Acq On : 10 Jul 2018 11:50
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
7/11/2018 12:17:57 PM

Quant Time: Jul 10 13:49:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 07 05:07:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	184673	52.34	ug/l	99
94) Hexachlorobutadiene	15.25	225	109946	54.47	ug/l	97
95) Naphthalene	15.38	128	333774	52.93	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	163607	51.78	ug/l	100

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

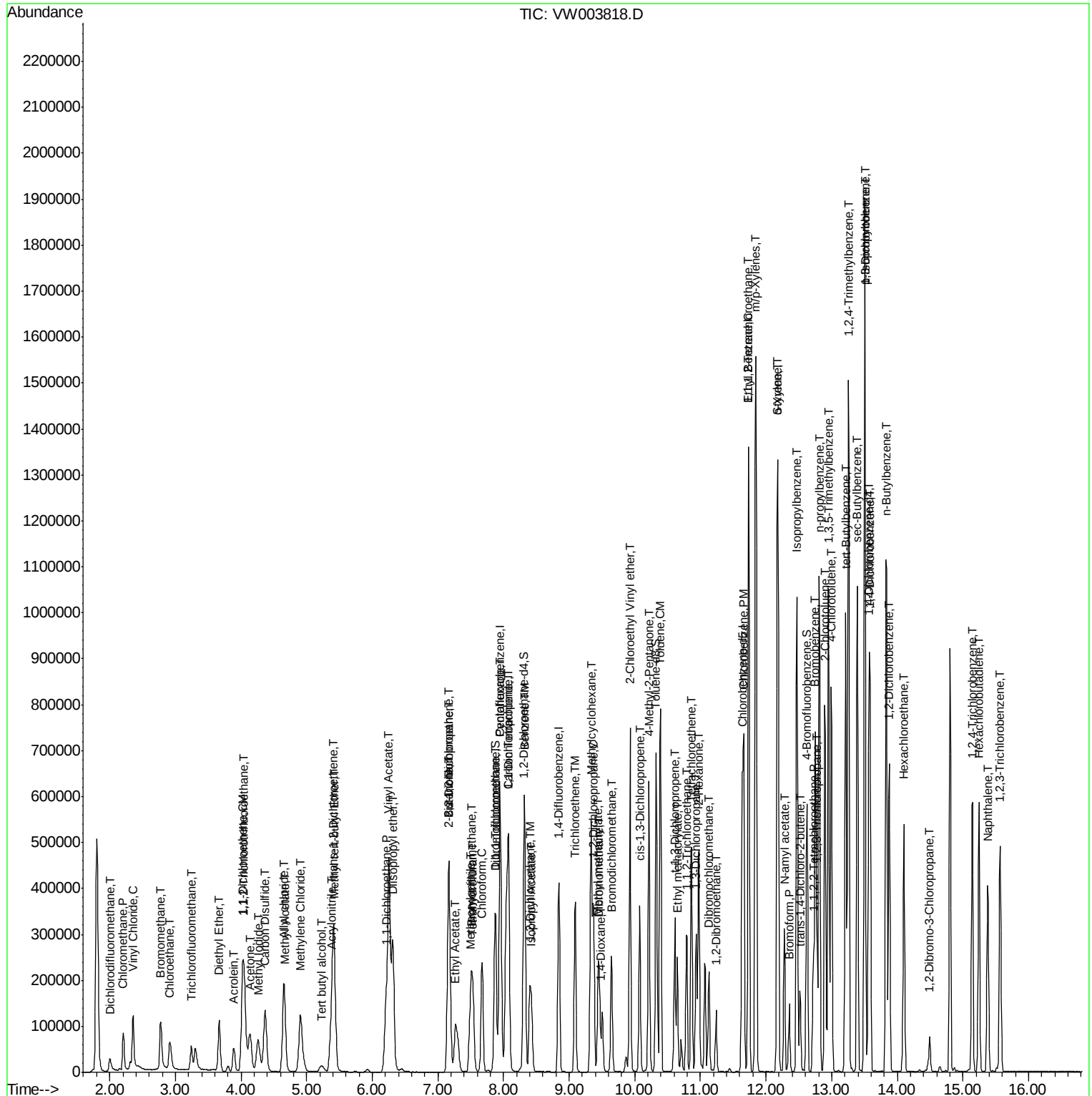
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071018\
Data File : VW003818.D
Acq On : 10 Jul 2018 11:50
Operator : SY/AP
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

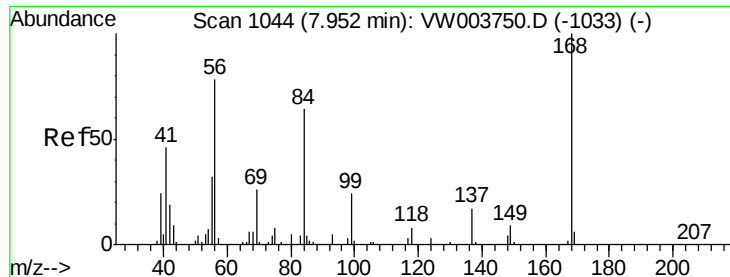
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

apatel
7/11/2018 12:17:57 PM

Quant Time: Jul 10 13:49:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 07 05:07:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003818.D

Acq: 10 Jul 2018 11:50

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 216792

Ion Ratio Lower Upper

168 100

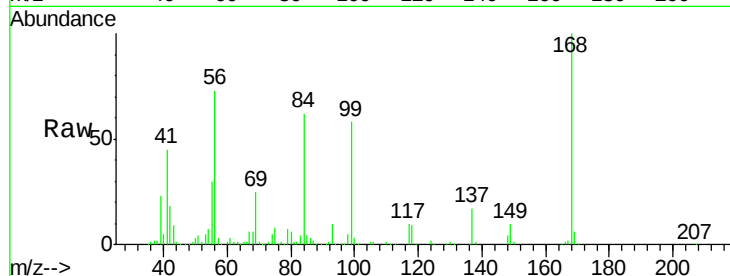
99 58.0 45.0 67.6

Manual Integrations

APPROVED

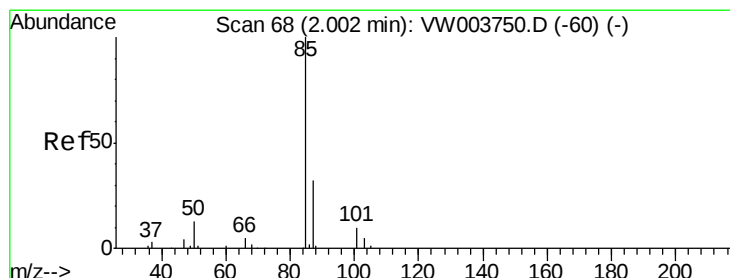
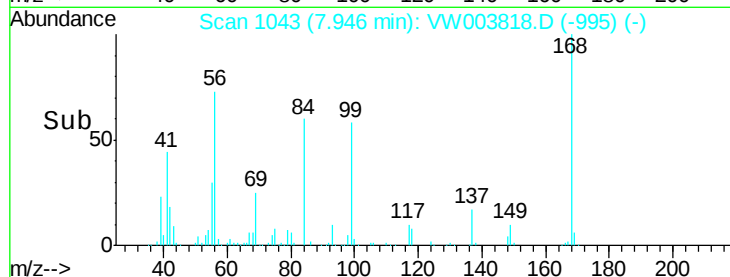
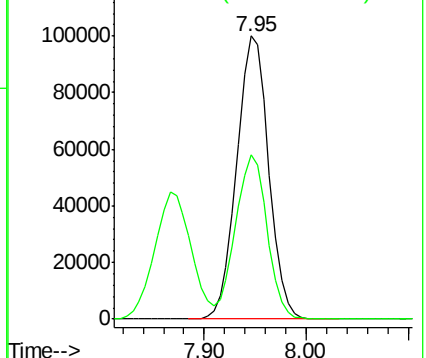
apatel

7/11/2018 12:17:57 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 46.84 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW003818.D

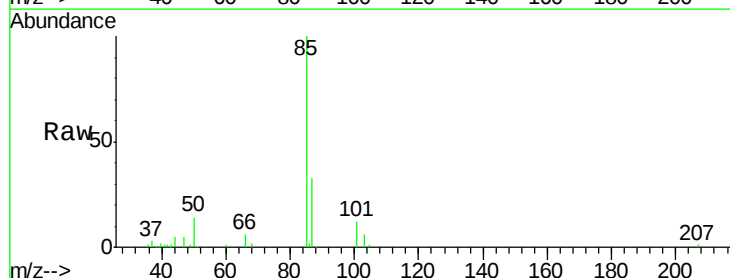
Acq: 10 Jul 2018 11:50

Tgt Ion: 85 Resp: 49384

Ion Ratio Lower Upper

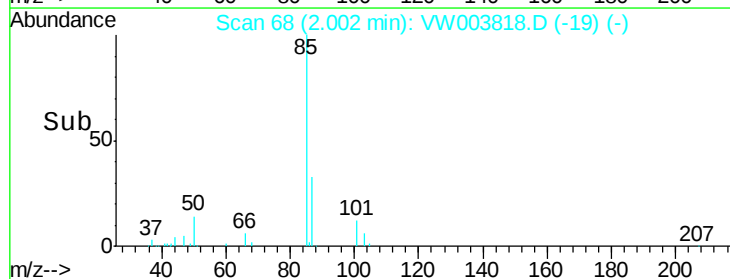
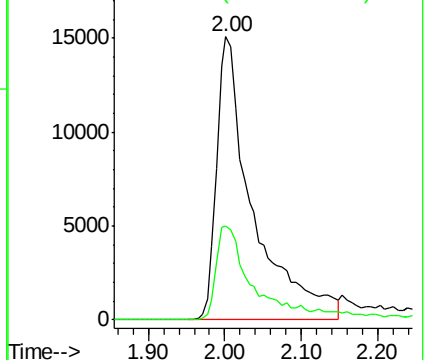
85 100

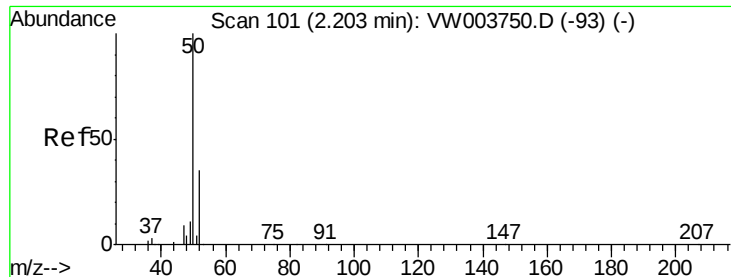
87 33.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 43.74 ug/l

RT: 2.20 min Scan# 101

Delta R.T. -0.00 min

Lab File: VW003818.D

Acq: 10 Jul 2018 11:50

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 87544

Ion Ratio Lower Upper

50 100

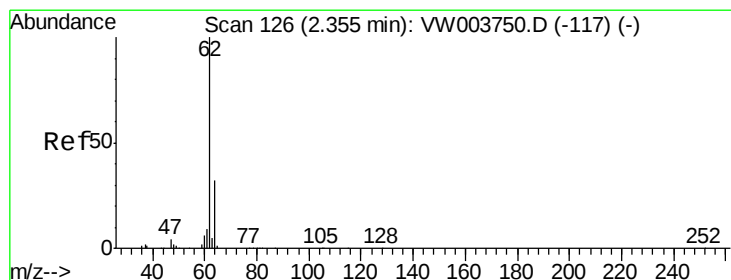
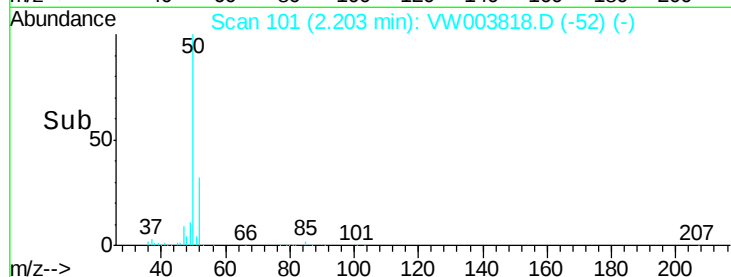
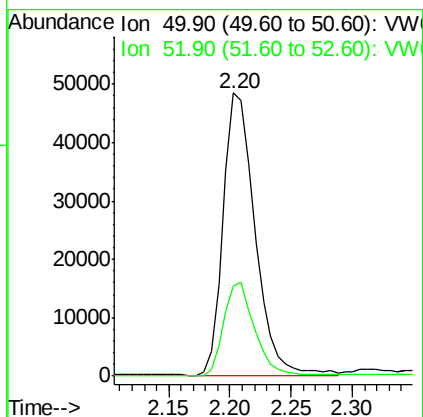
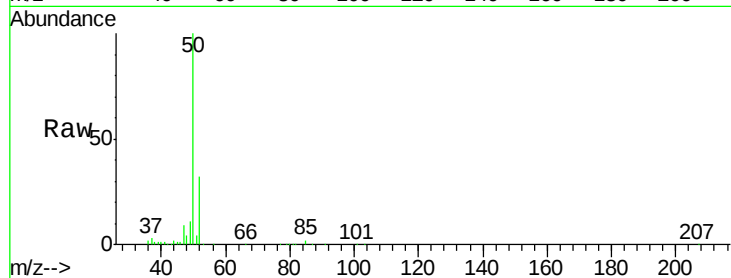
52 31.7 27.8 41.6

Manual Integrations

APPROVED

apatel

7/11/2018 12:17:57 PM



#4

Vinyl Chloride

Concen: 47.44 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW003818.D

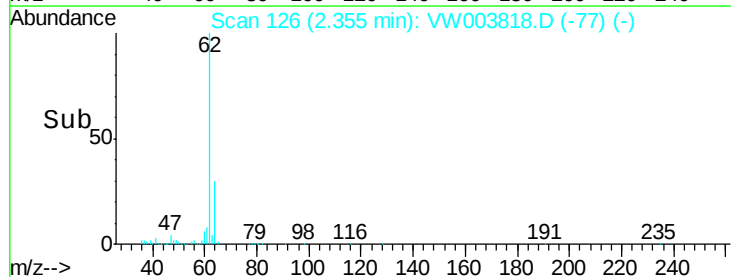
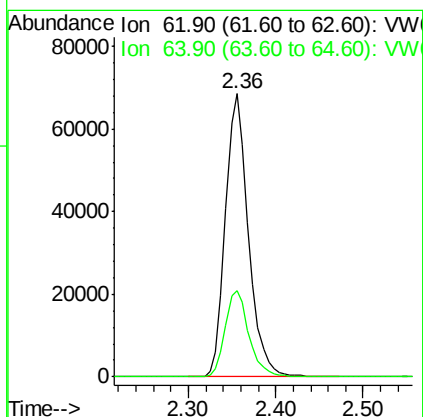
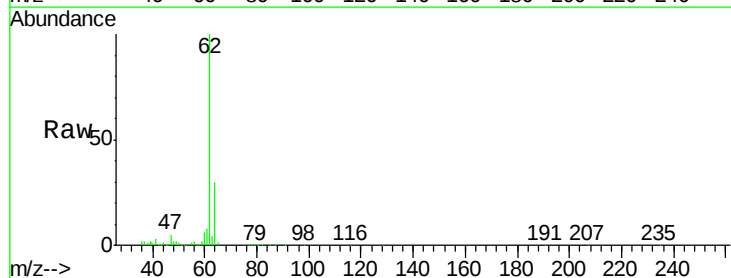
Acq: 10 Jul 2018 11:50

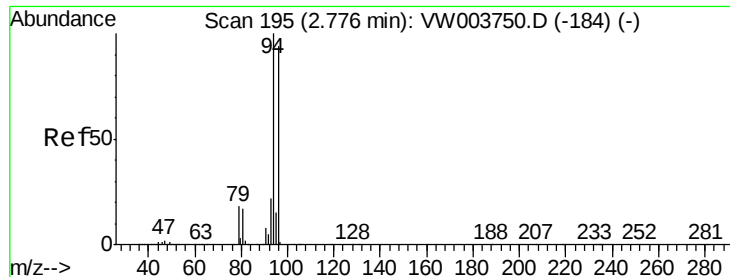
Tgt Ion: 62 Resp: 125241

Ion Ratio Lower Upper

62 100

64 30.4 25.8 38.8





#5

Bromomethane

Concen: 43.82 ug/l

RT: 2.78 min Scan# 195

Delta R.T. -0.00 min

Lab File: VW003818.D

Acq: 10 Jul 2018 11:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 81655

Ion Ratio Lower Upper

94 100

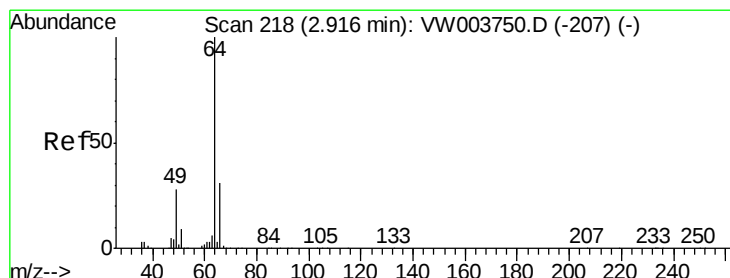
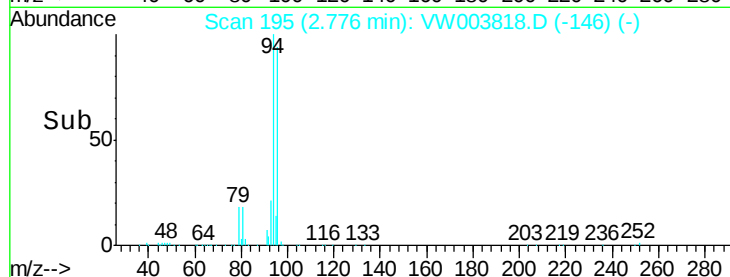
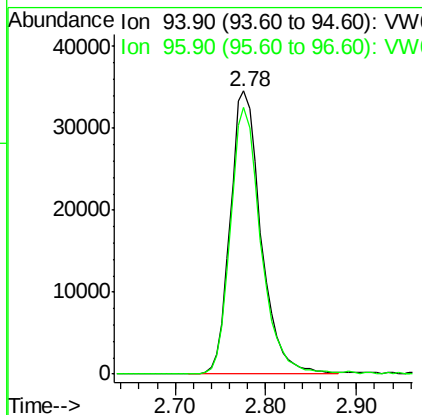
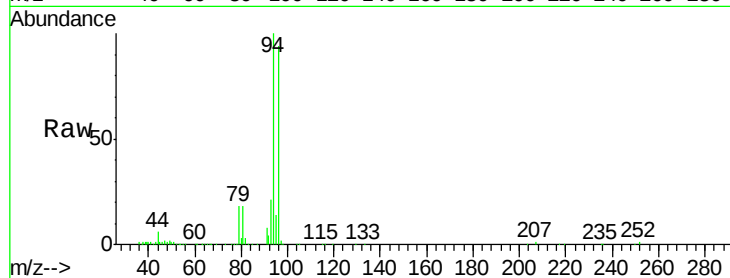
96 93.9 74.8 112.2

Manual Integrations

APPROVED

apatel

7/11/2018 12:17:57 PM



#6

Chloroethane

Concen: 47.98 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.00 min

Lab File: VW003818.D

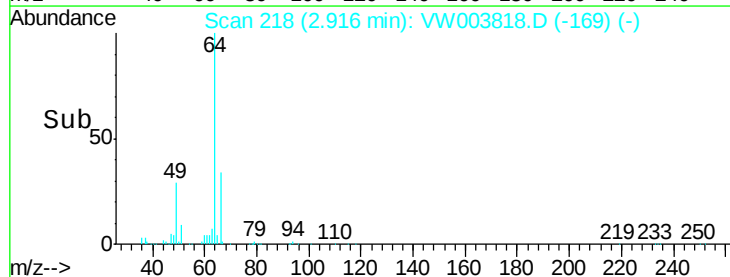
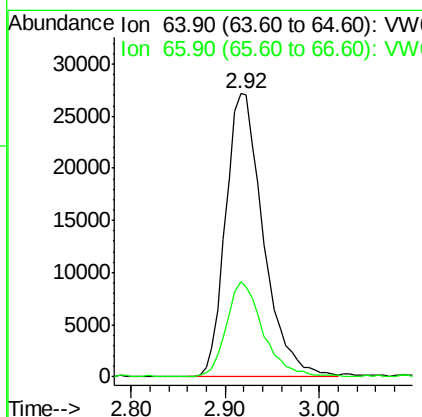
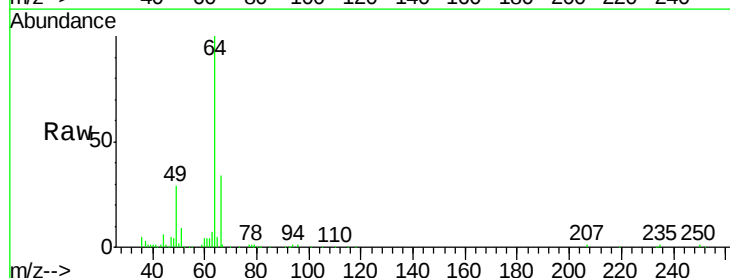
Acq: 10 Jul 2018 11:50

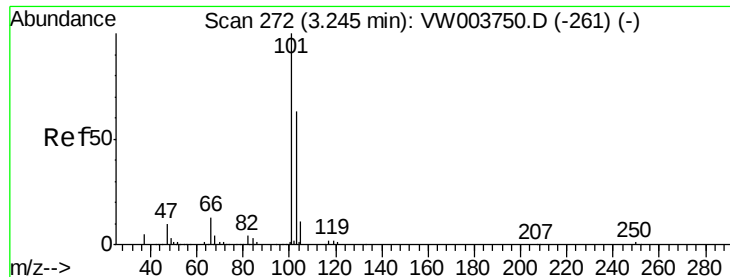
Tgt Ion: 64 Resp: 75960

Ion Ratio Lower Upper

64 100

66 33.3 25.1 37.7





#7

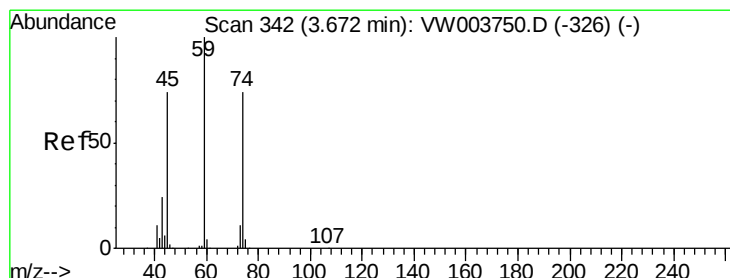
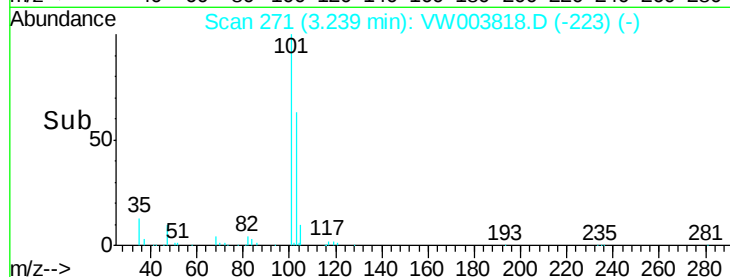
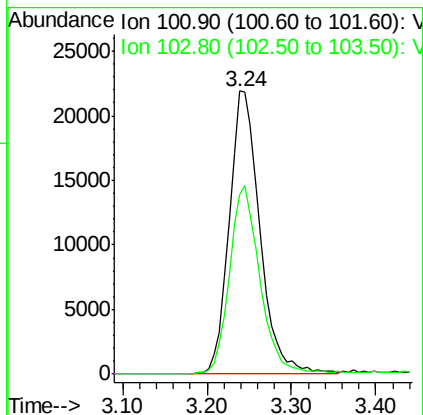
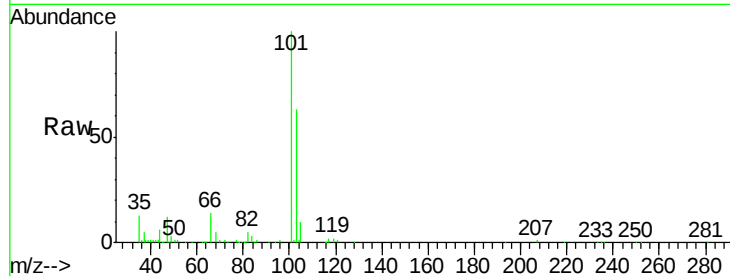
Trichlorofluoromethane
Concen: 50.81 ug/l
RT: 3.24 min Scan# 271
Delta R.T. -0.01 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	50.7	76.1

Manual Integrations
APPROVED

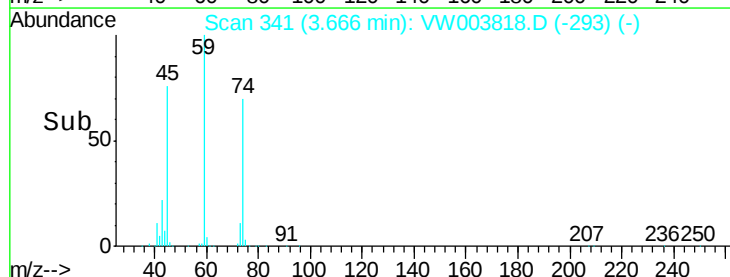
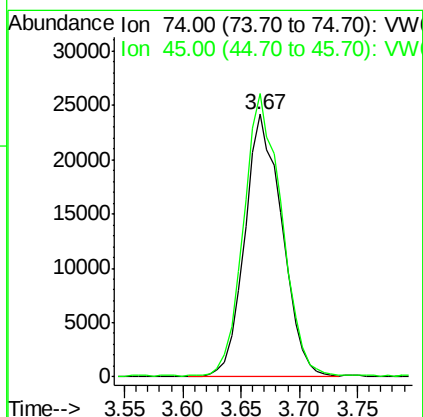
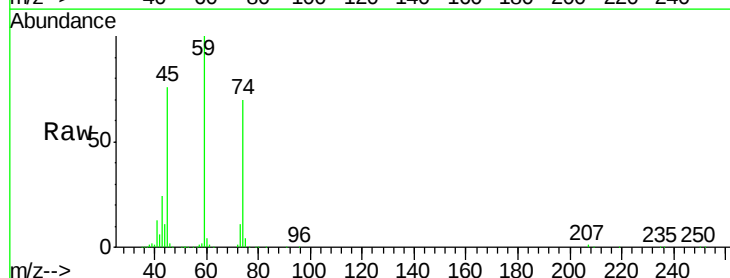
apatel
7/11/2018 12:17:57 PM

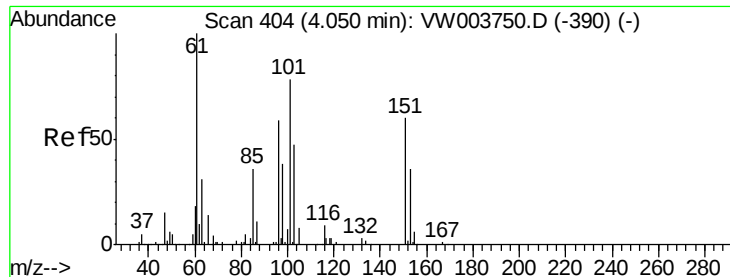


#8

Diethyl Ether
Concen: 49.31 ug/l
RT: 3.67 min Scan# 341
Delta R.T. -0.01 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.4	52.4	157.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.89 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW003818.D

Acq: 10 Jul 2018 11:50

Instrument :

MSVOA_W

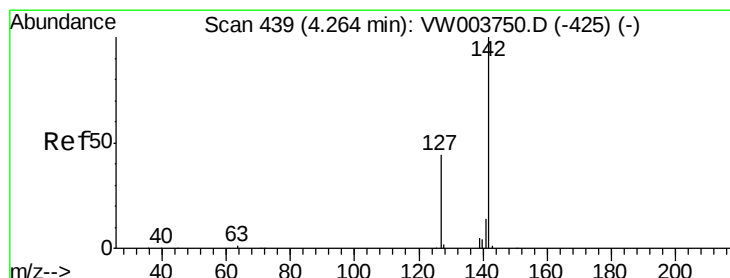
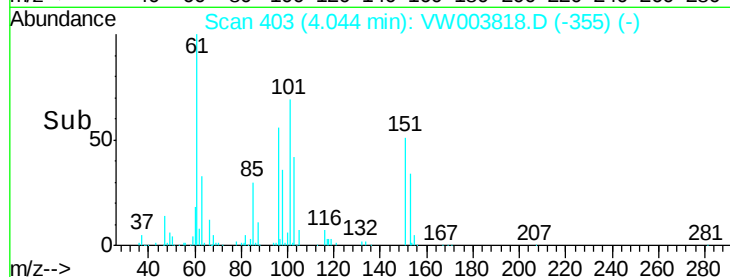
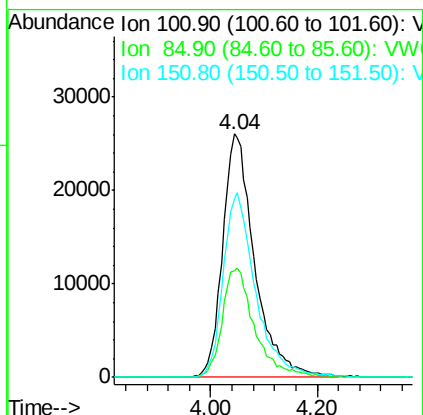
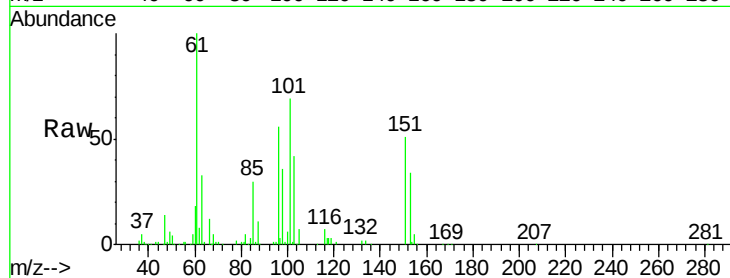
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	109702
Ion Ratio	Lower	Upper	
101	100		
85	45.0	37.1	55.7
151	76.7	62.3	93.5

Manual Integrations
APPROVED

apatel
7/11/2018 12:17:57 PM



#10

Methyl Iodide

Concen: 49.73 ug/l

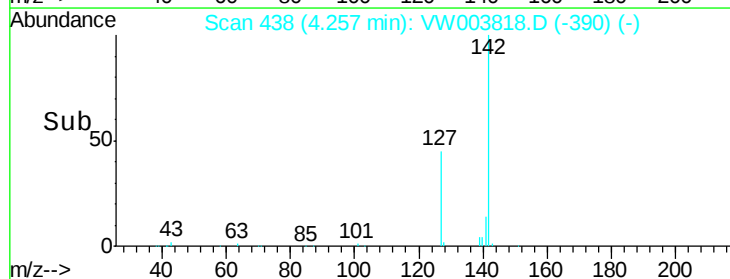
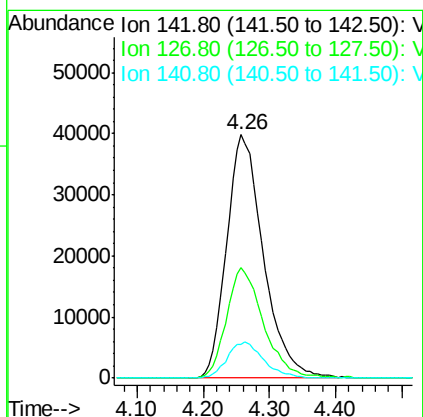
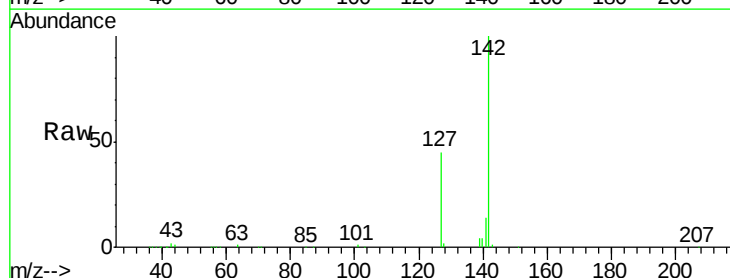
RT: 4.26 min Scan# 438

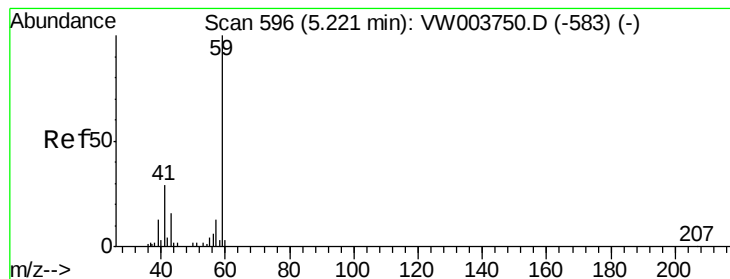
Delta R.T. -0.01 min

Lab File: VW003818.D

Acq: 10 Jul 2018 11:50

Tgt Ion:	142	Resp:	153537
Ion Ratio	Lower	Upper	
142	100		
127	45.6	36.1	54.1
141	14.9	11.6	17.4





#11

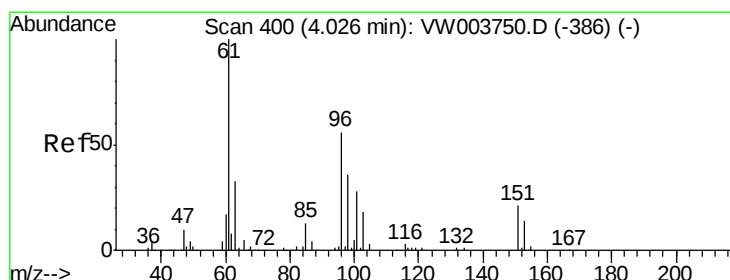
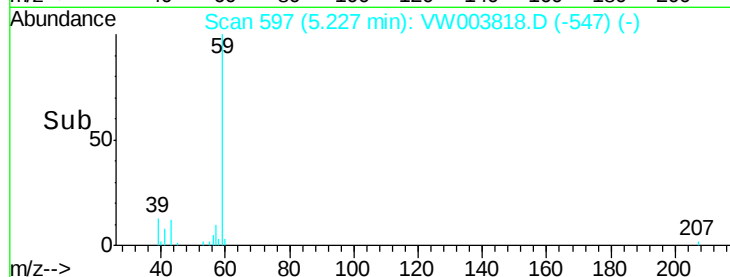
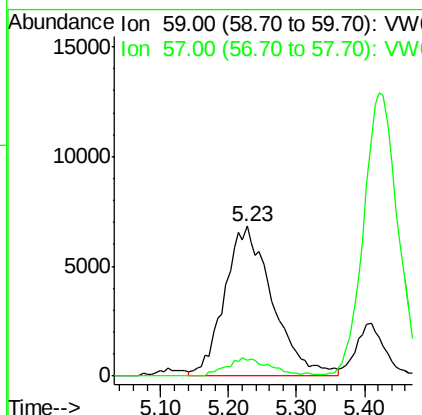
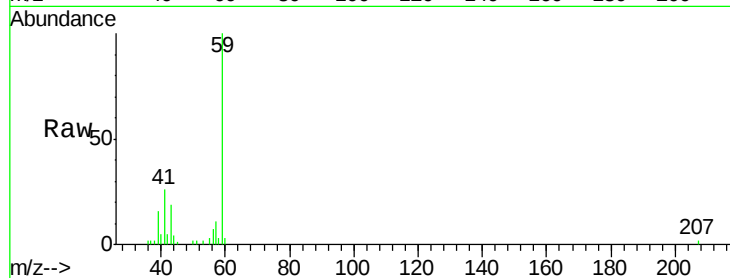
Tert butyl alcohol
Concen: 217.59 ug/l
RT: 5.23 min Scan# 597
Delta R.T. 0.01 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	9.3	13.9

Manual Integrations
APPROVED

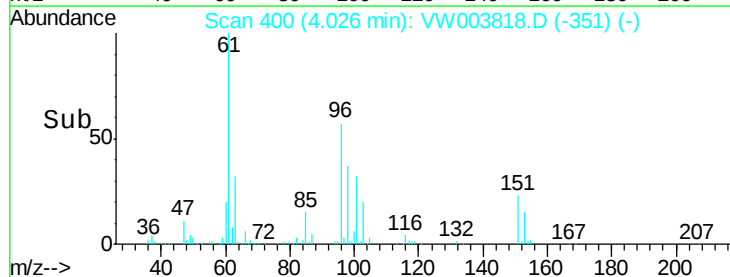
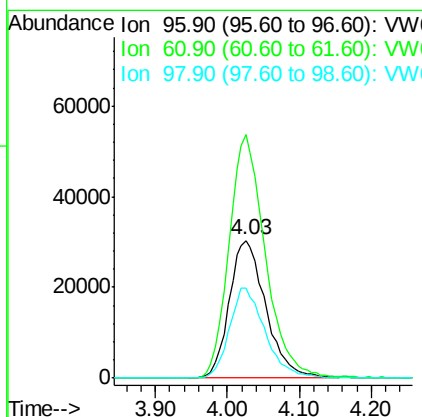
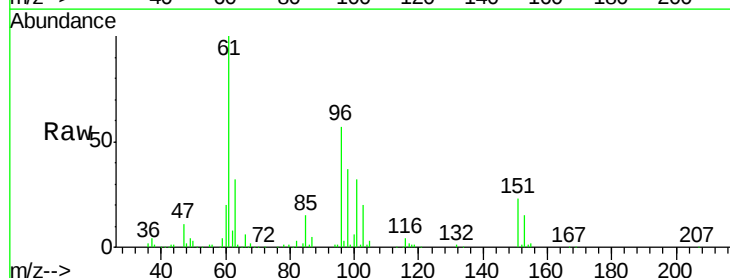
apatel
7/11/2018 12:17:57 PM

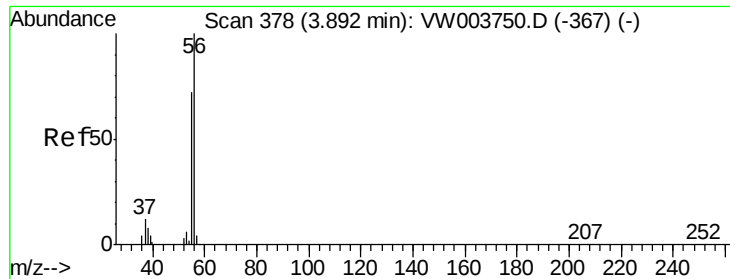


#12

1,1-Dichloroethene
Concen: 52.65 ug/l
RT: 4.03 min Scan# 400
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.8	143.2	214.8
98	65.3	51.4	77.0





#13

Acrolein

Concen: 340.02 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.00 min

Lab File: VW003818.D

Acq: 10 Jul 2018 11:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 63072

Ion Ratio Lower Upper

56 100

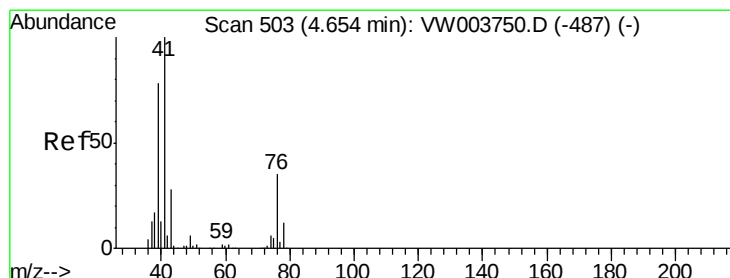
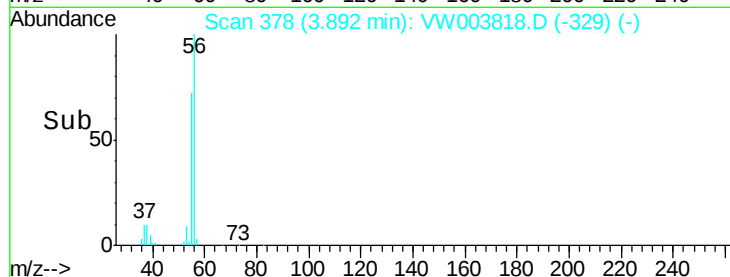
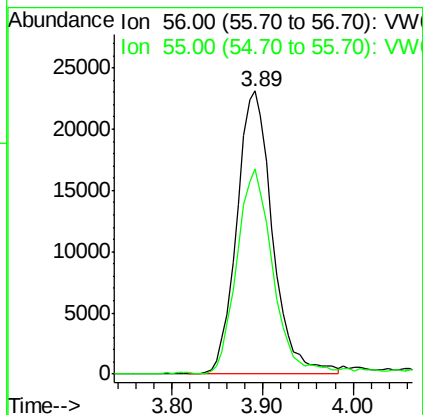
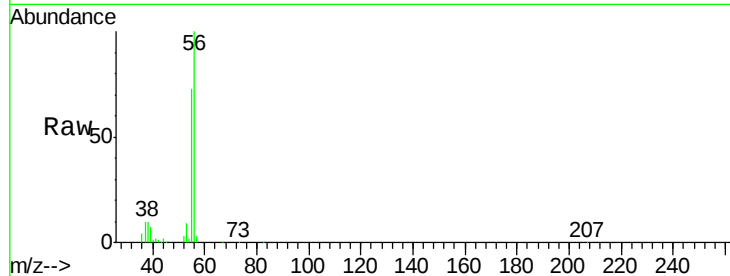
55 72.2 57.5 86.3

Manual Integrations

APPROVED

apatel

7/11/2018 12:17:57 PM



#14

Allyl chloride

Concen: 49.35 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.00 min

Lab File: VW003818.D

Acq: 10 Jul 2018 11:50

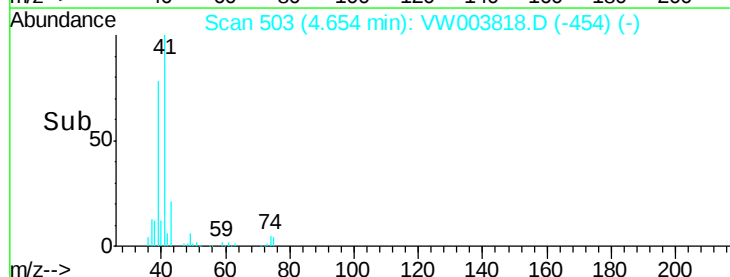
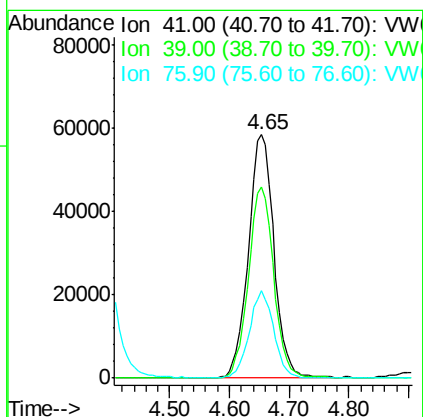
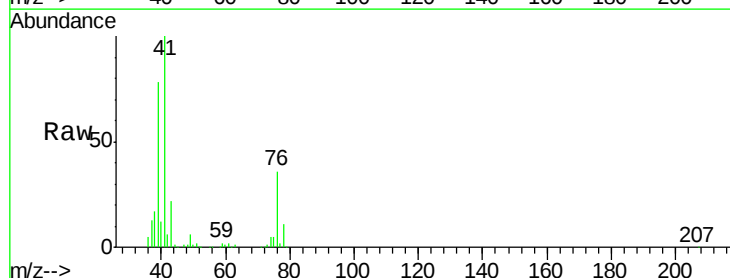
Tgt Ion: 41 Resp: 174717

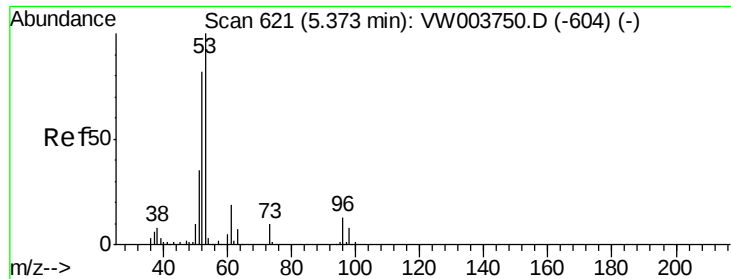
Ion Ratio Lower Upper

41 100

39 77.7 60.9 91.3

76 34.2 27.5 41.3





#15

Acrylonitrile

Concen: 230.12 ug/l

RT: 5.37 min Scan# 621

Delta R.T. -0.00 min

Lab File: VW003818.D

Acq: 10 Jul 2018 11:50

Instrument :

MSVOA_W

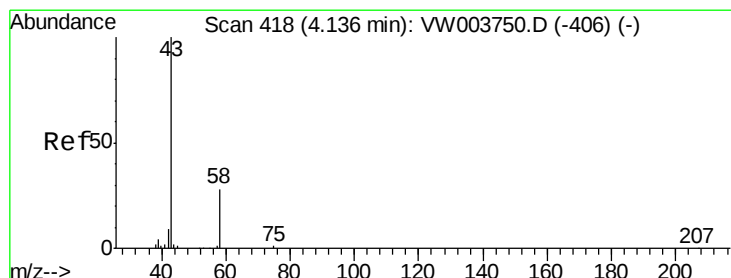
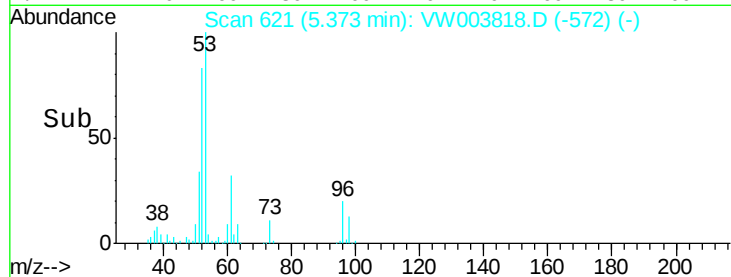
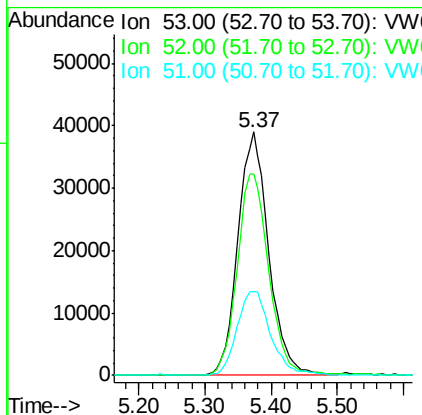
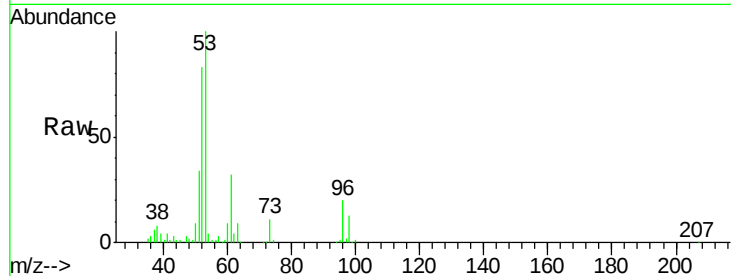
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	125955
Ion Ratio	Lower	Upper	
53	100		
52	84.5	66.2	99.2
51	37.9	30.2	45.4

Manual Integrations
APPROVED

apatel
7/11/2018 12:17:57 PM



#16

Acetone

Concen: 296.92 ug/l

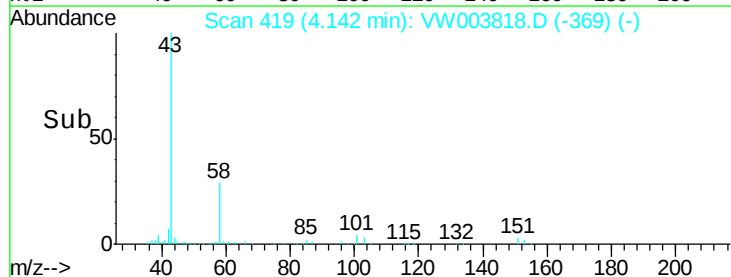
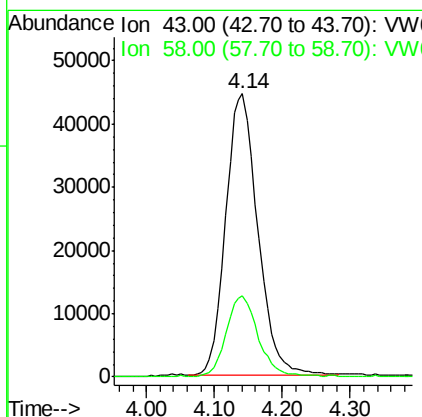
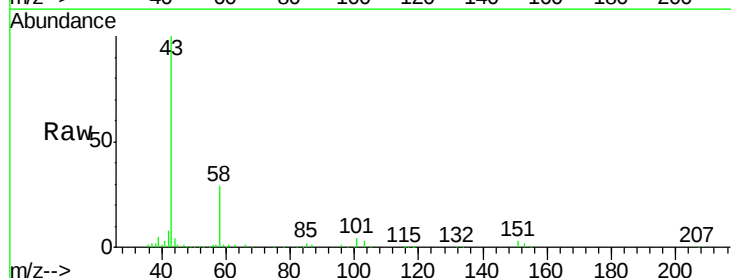
RT: 4.14 min Scan# 419

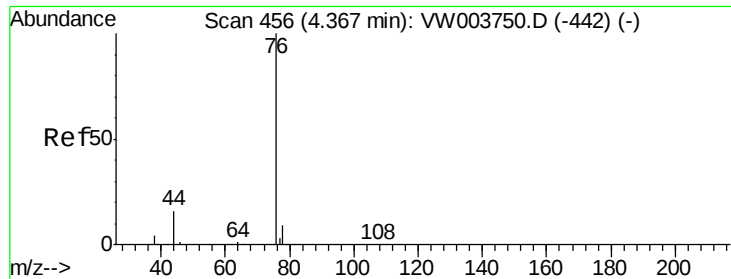
Delta R.T. 0.01 min

Lab File: VW003818.D

Acq: 10 Jul 2018 11:50

Tgt Ion:	43	Resp:	146047
Ion Ratio	Lower	Upper	
43	100		
58	28.7	22.6	34.0





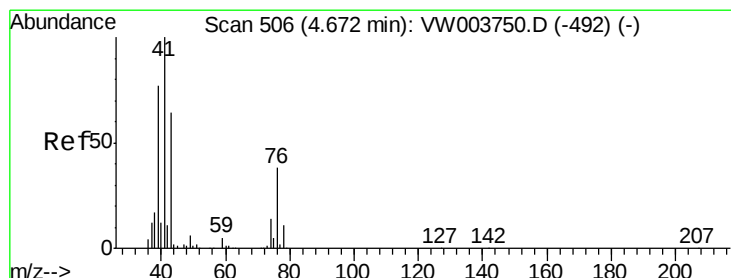
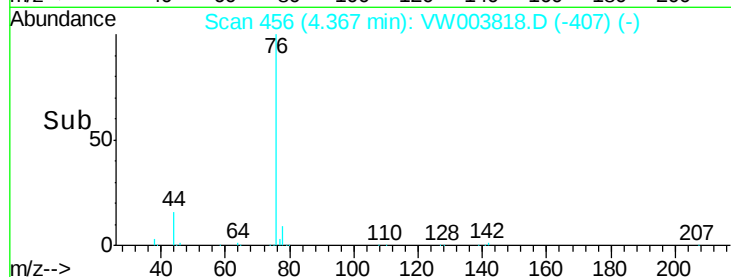
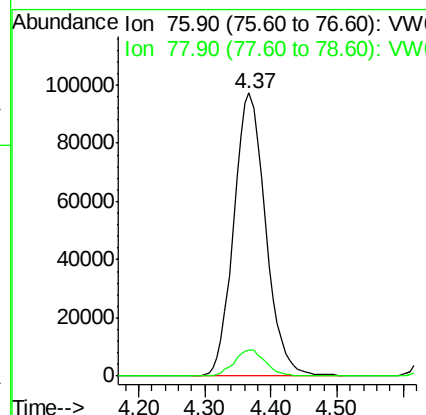
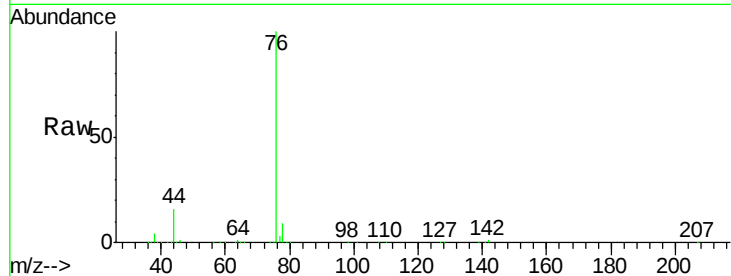
#17
Carbon Disulfide
Concen: 48.76 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2

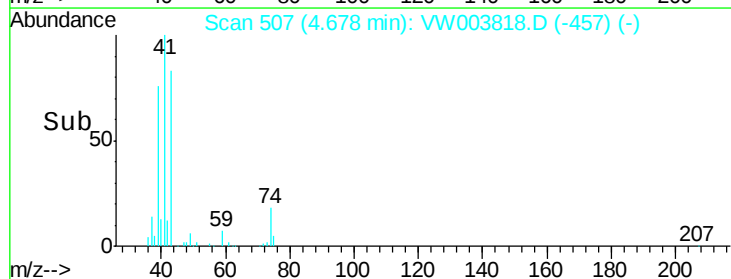
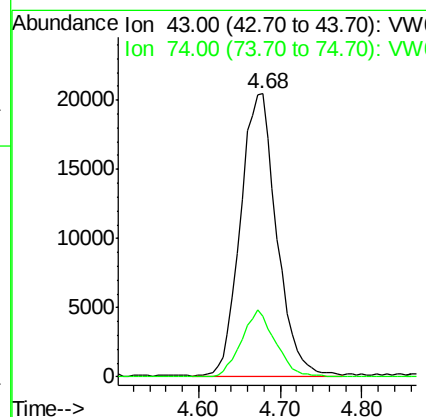
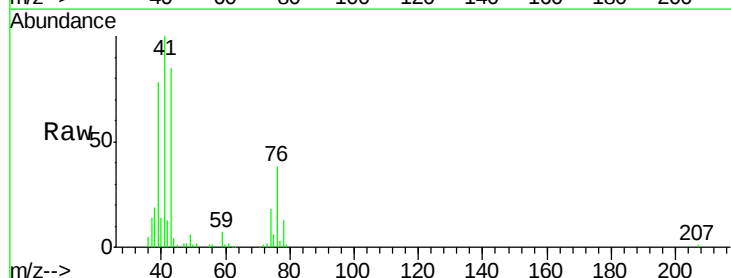
Manual Integrations
APPROVED

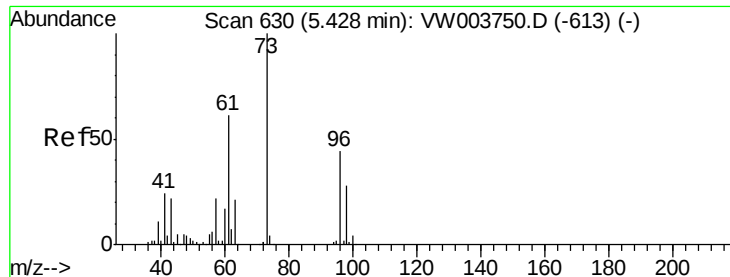
apatel
7/11/2018 12:17:57 PM



#18
Methyl Acetate
Concen: 45.16 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.3	25.9





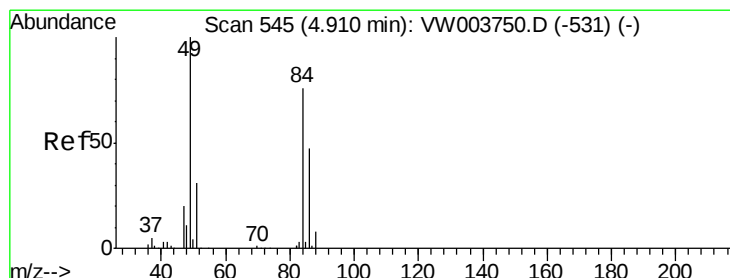
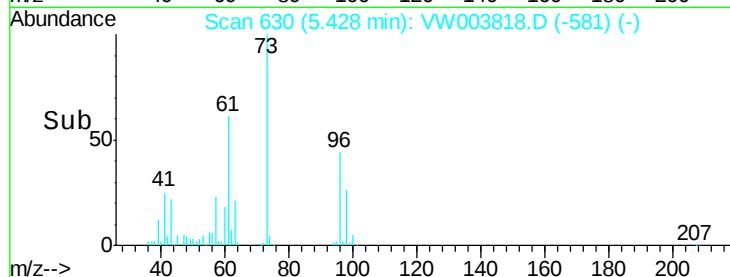
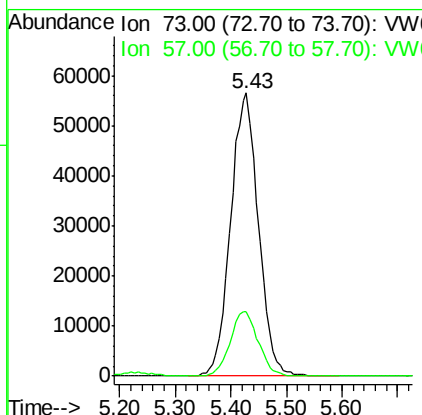
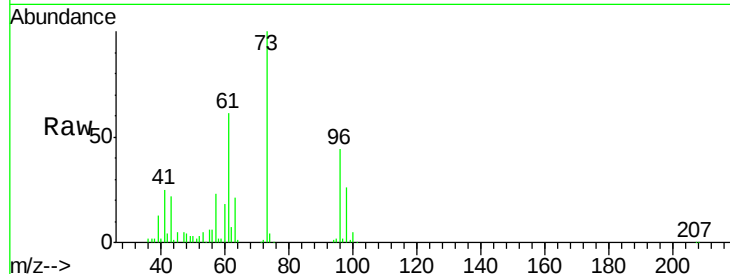
#19
Methvl tert-butvl Ether
Concen: 46.29 ug/l
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 194820
Ion Ratio Lower Upper
73 100
57 22.7 17.9 26.9

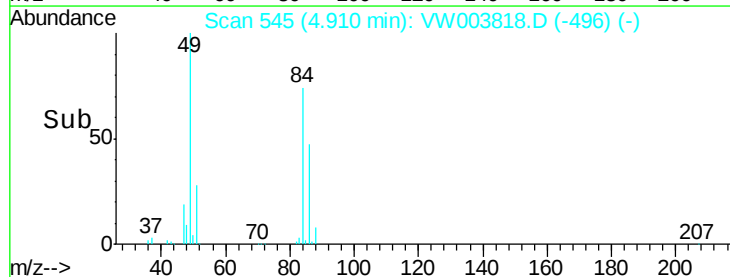
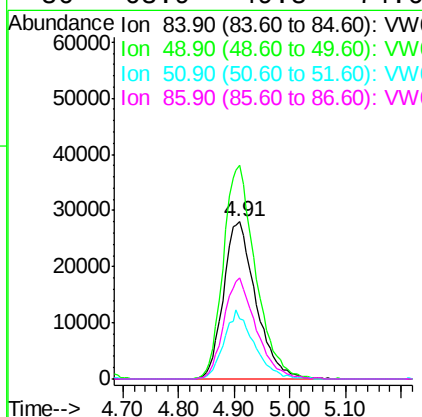
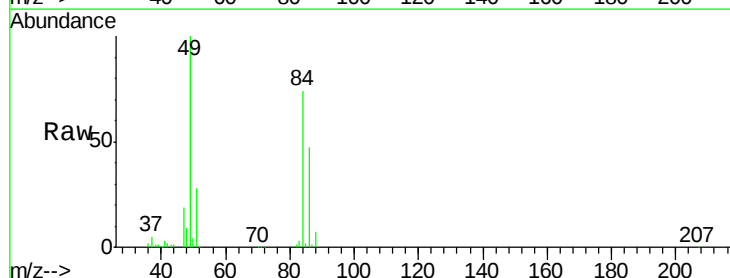
Manual Integrations
APPROVED

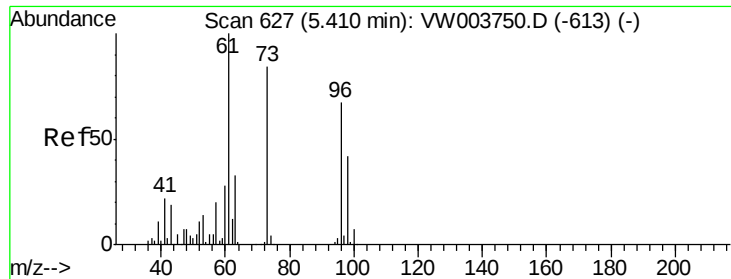
apatel
7/11/2018 12:17:57 PM



#20
Methylene Chloride
Concen: 46.94 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Tgt Ion: 84 Resp: 113154
Ion Ratio Lower Upper
84 100
49 135.8 105.1 157.7
51 38.6 32.5 48.7
86 63.9 49.8 74.6





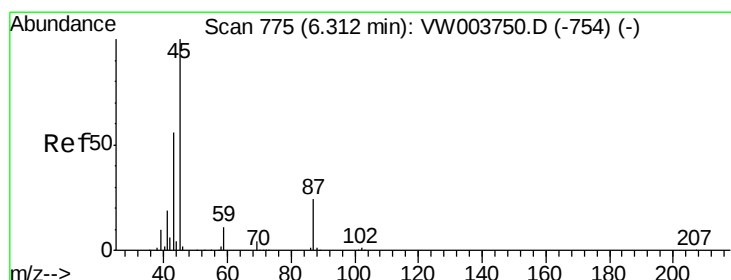
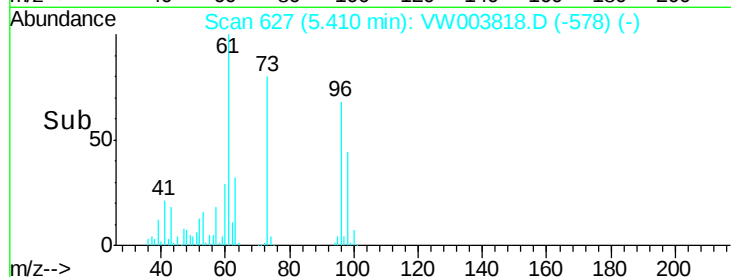
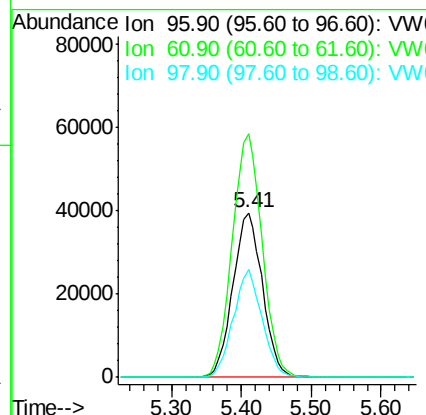
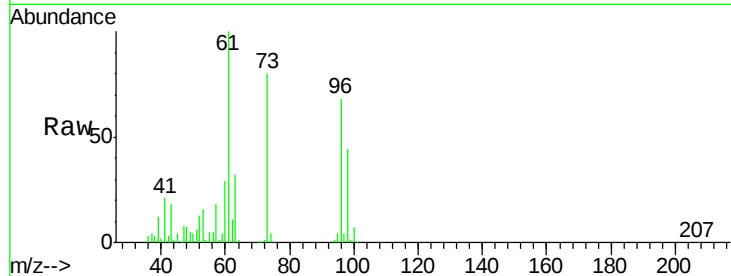
#21
trans-1,2-Dichloroethene
Concen: 48.15 ug/l
RT: 5.41 min Scan# 627
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.8	119.0	178.6
98	65.4	49.8	74.8

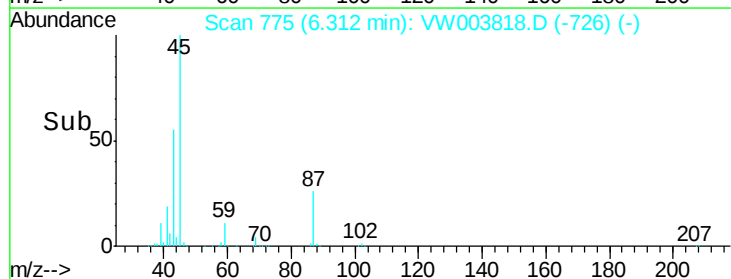
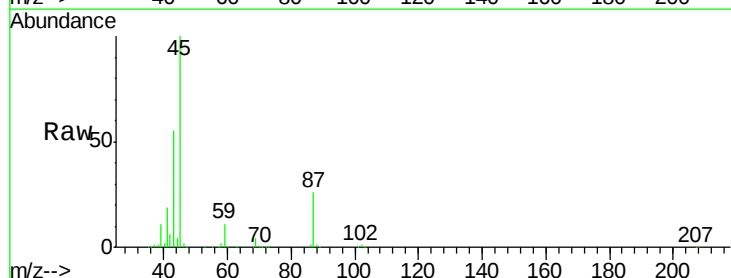
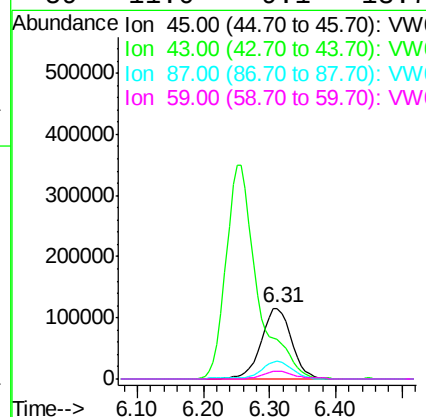
Manual Integrations
APPROVED

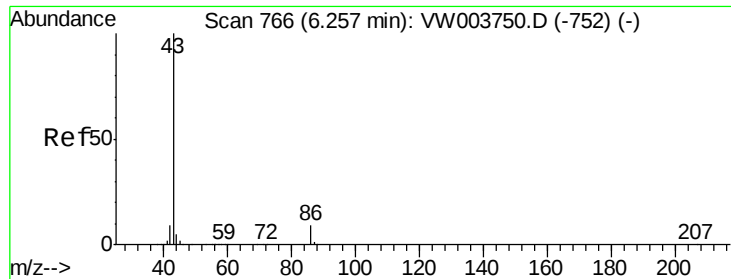
apatel
7/11/2018 12:17:57 PM



#22
Diisopropyl ether
Concen: 47.63 ug/l
RT: 6.31 min Scan# 775
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.0	44.5	66.7
87	25.4	19.6	29.4
59	11.0	9.1	13.7





#23

Vinyl Acetate

Concen: 242.49 ug/l

RT: 6.25 min Scan# 765

Delta R.T. -0.01 min

Lab File: VW003818.D

Acq: 10 Jul 2018 11:50

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1152244

Ion Ratio Lower Upper

43 100

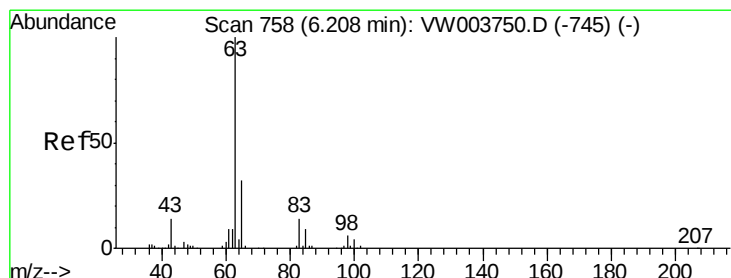
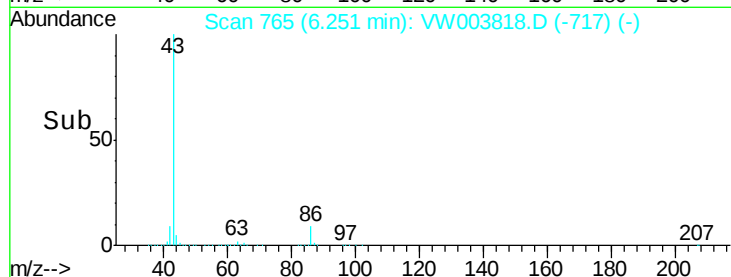
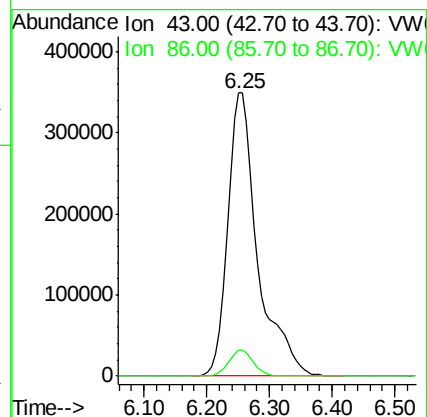
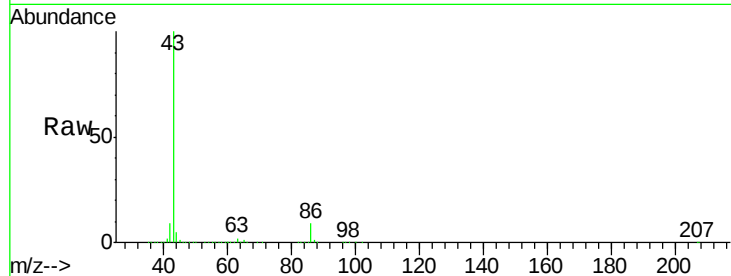
86 9.4 7.3 10.9

Manual Integrations

APPROVED

apatel

7/11/2018 12:17:57 PM



#24

1,1-Dichloroethane

Concen: 46.70 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.00 min

Lab File: VW003818.D

Acq: 10 Jul 2018 11:50

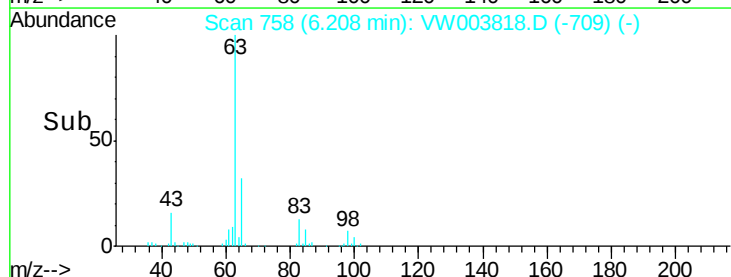
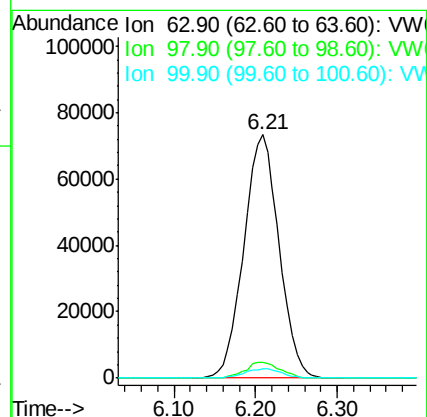
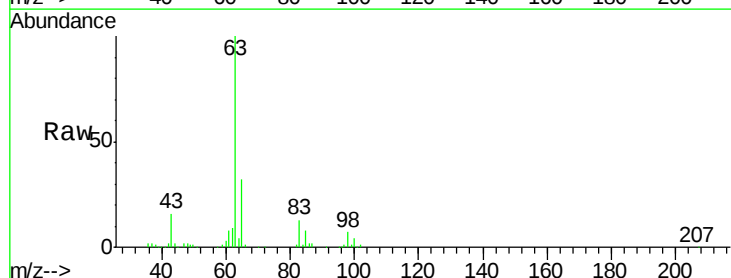
Tgt Ion: 63 Resp: 219880

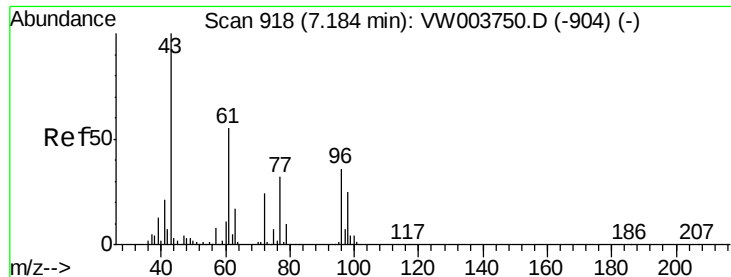
Ion Ratio Lower Upper

63 100

98 6.5 3.2 9.6

100 4.1 2.1 6.2





#25

2-Butanone

Concen: 247.06 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW003818.D

Acq: 10 Jul 2018 11:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 190336

Ion Ratio Lower Upper

43 100

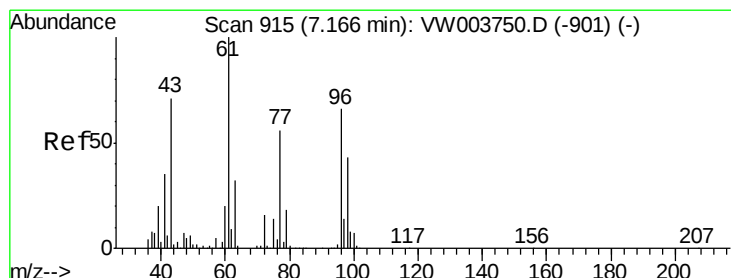
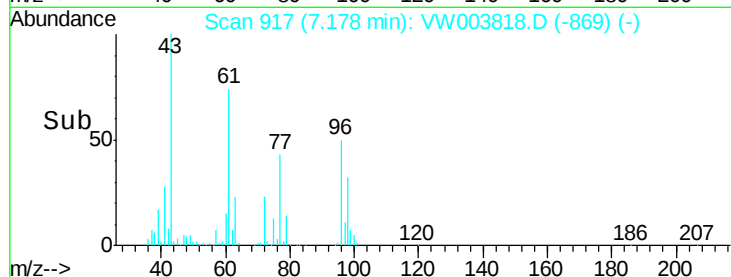
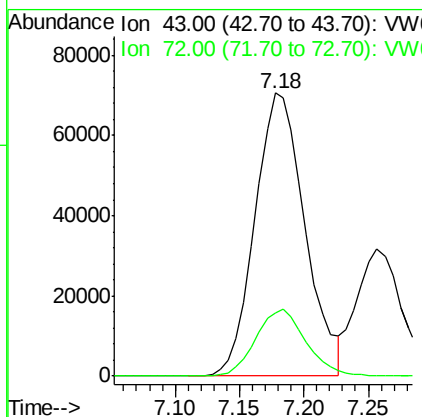
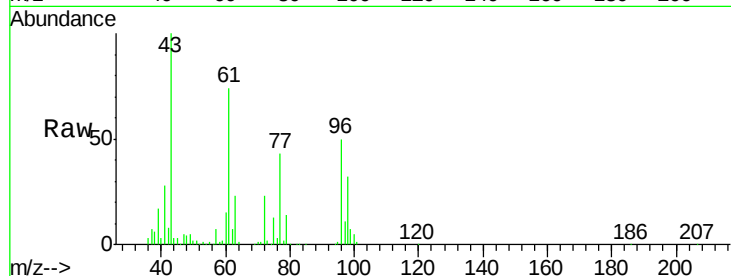
72 22.5 19.4 29.2

Manual Integrations

APPROVED

apatel

7/11/2018 12:17:57 PM



#26

2,2-Dichloropropane

Concen: 50.21 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW003818.D

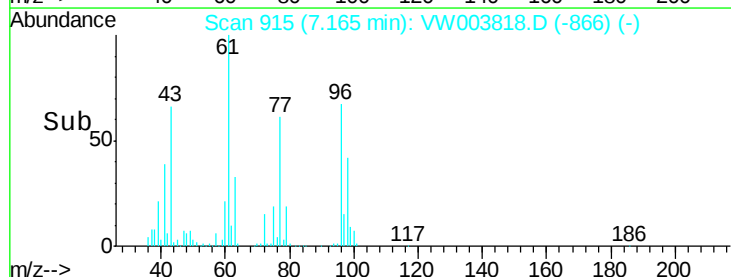
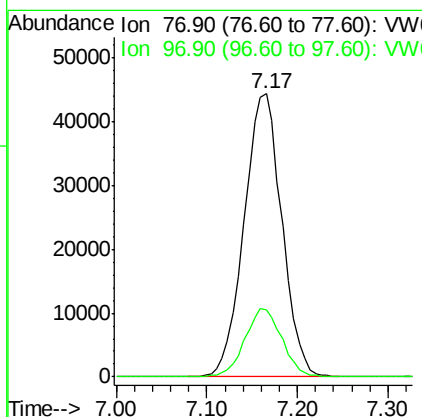
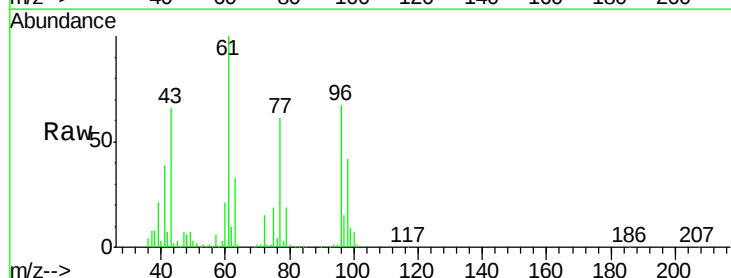
Acq: 10 Jul 2018 11:50

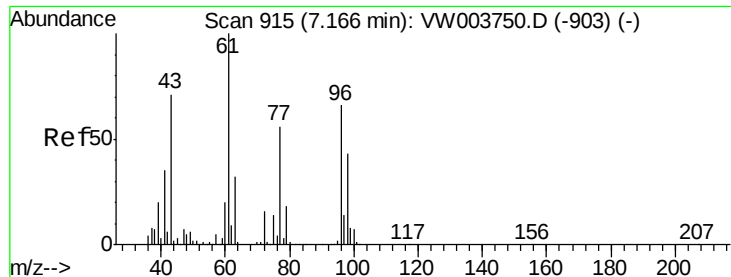
Tgt Ion: 77 Resp: 128225

Ion Ratio Lower Upper

77 100

97 23.5 11.5 34.5





#27

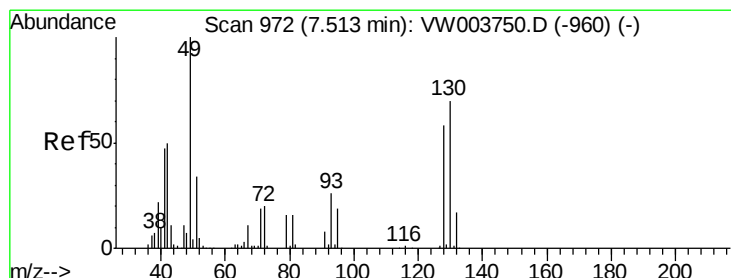
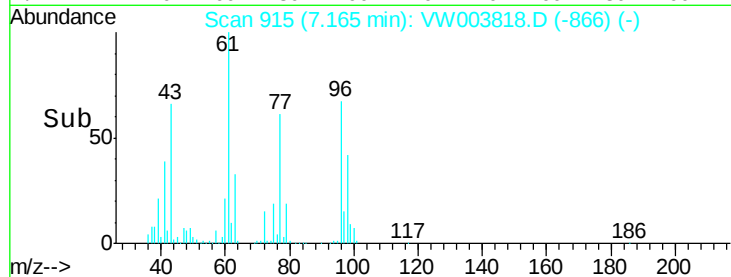
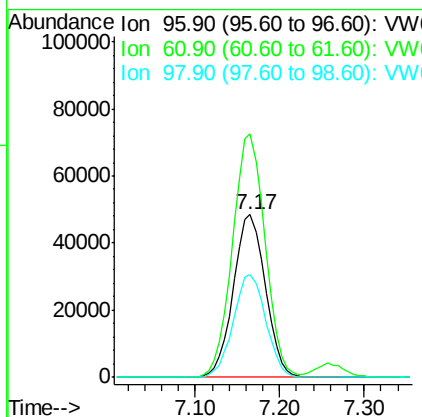
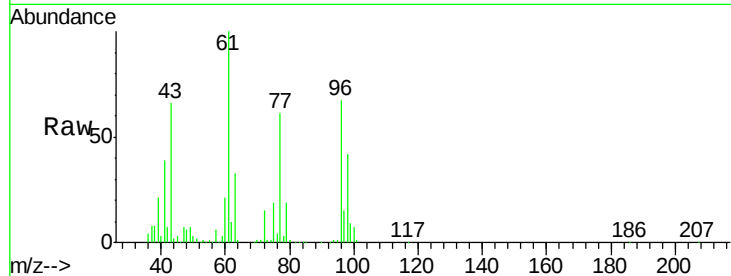
cis-1,2-Dichloroethene
Concen: 46.73 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	124574		
61	151.8	0.0	300.8	
98	64.2	0.0	128.6	

Manual Integrations
APPROVED

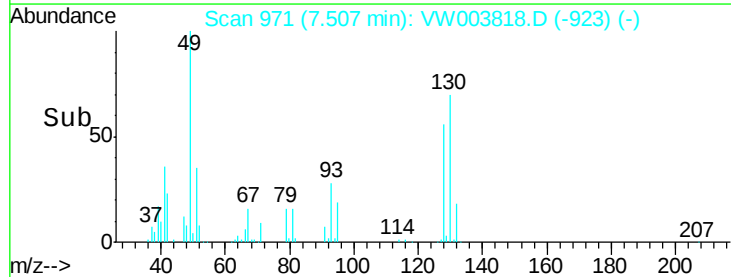
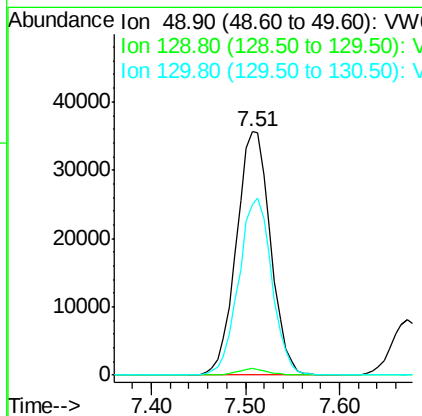
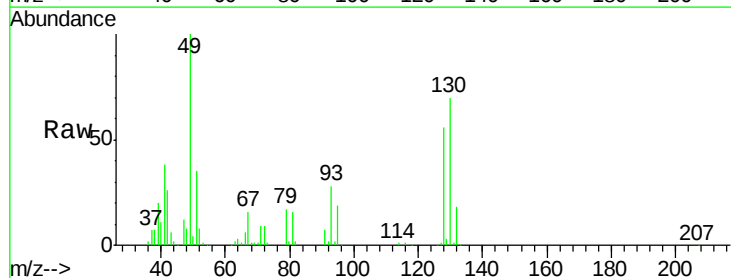
apatel
7/11/2018 12:17:57 PM

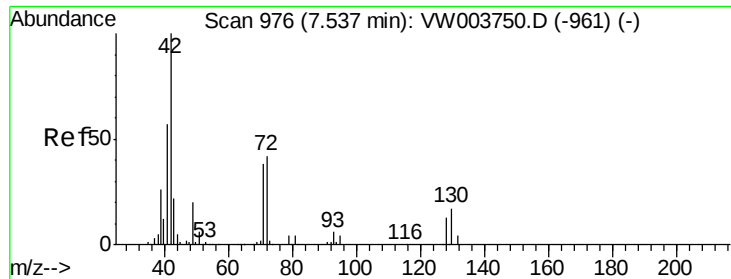


#28

Bromochloromethane
Concen: 43.02 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.01 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	90215		
129	2.2	0.0	4.4	
130	70.6	56.9	85.3	





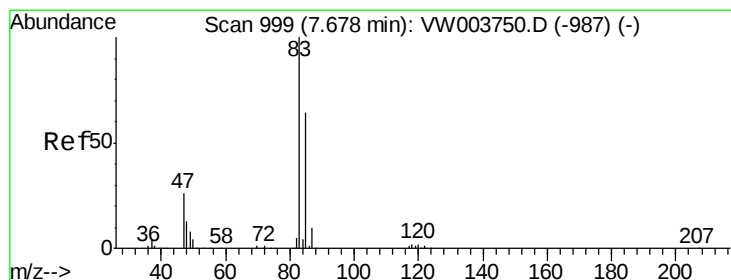
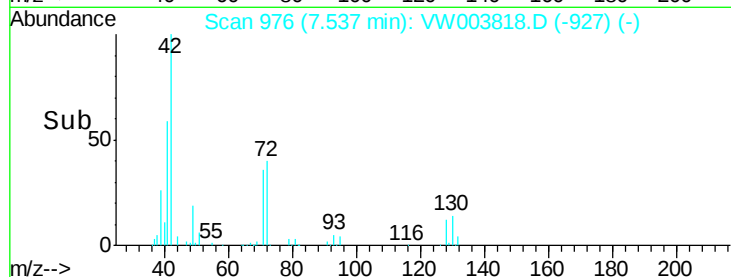
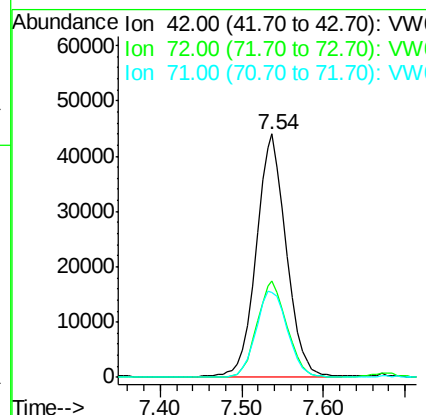
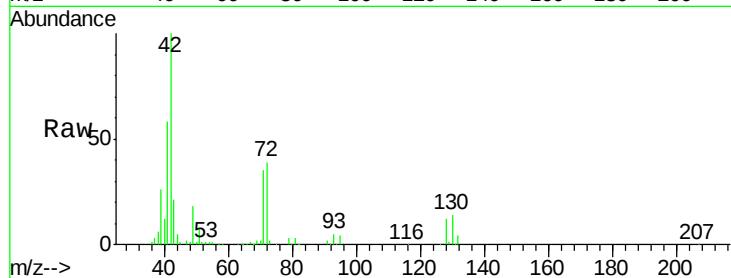
#29
Tetrahydrofuran
Concen: 229.05 ug/l
RT: 7.54 min Scan# 976
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	31.8	47.8
71	37.3	30.3	45.5

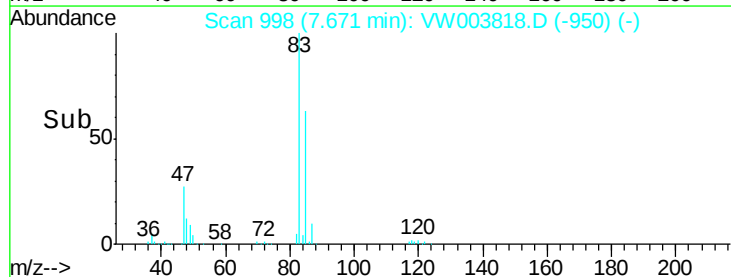
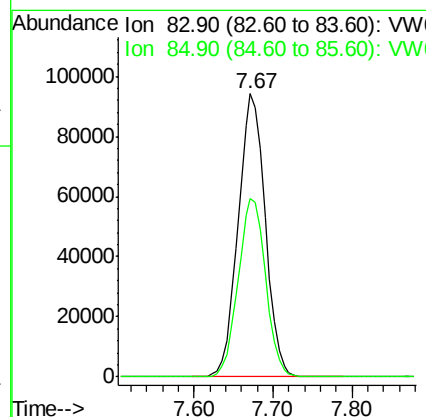
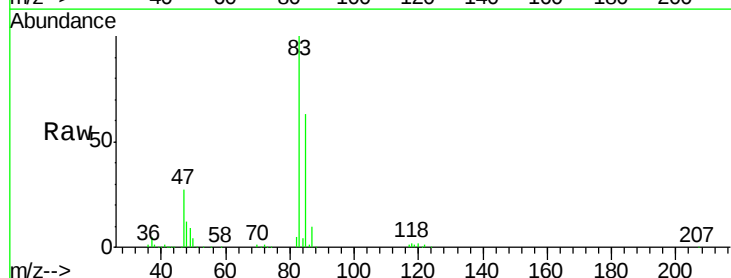
Manual Integrations
APPROVED

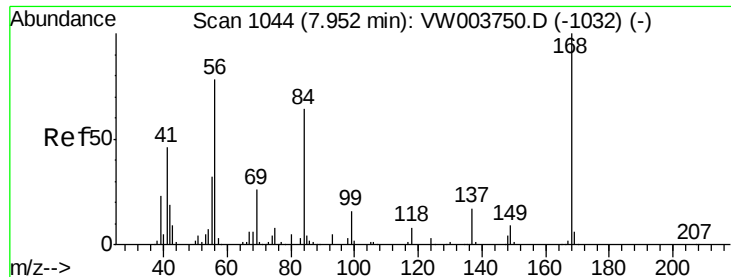
apatel
7/11/2018 12:17:57 PM



#30
Chloroform
Concen: 46.83 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.01 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.5	77.3





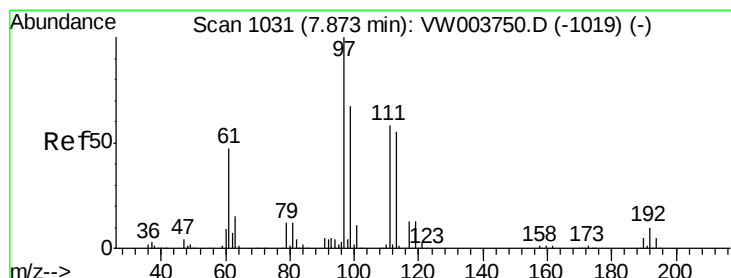
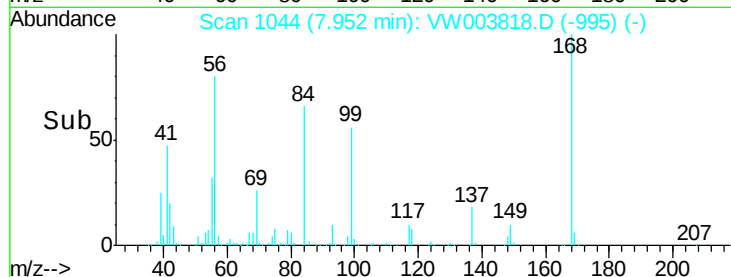
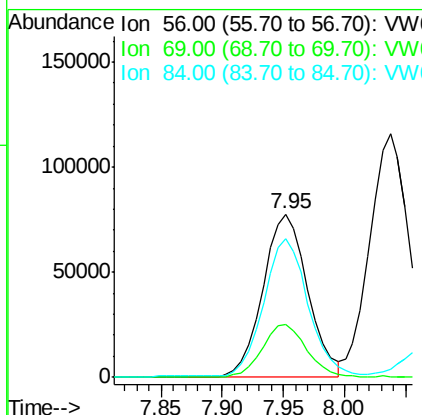
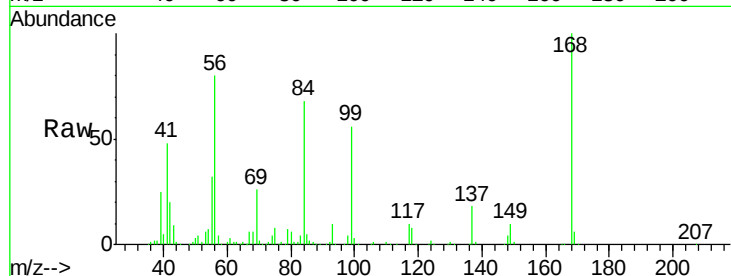
#31
Cyclohexane
Concen: 48.01 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	26.2	39.4
84	84.0	65.5	98.3

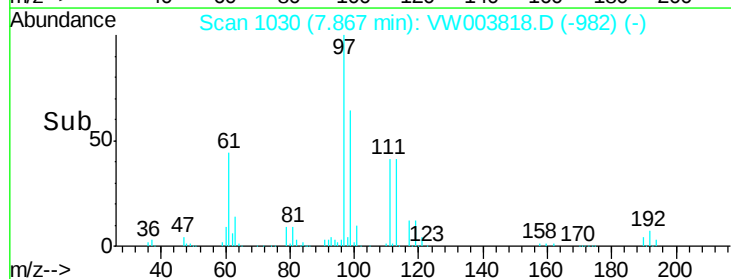
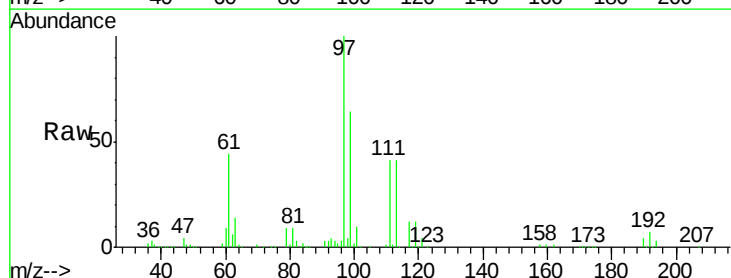
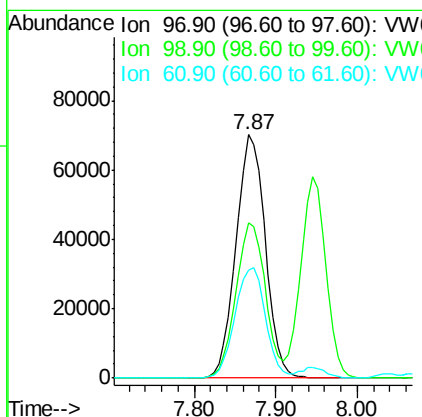
Manual Integrations
APPROVED

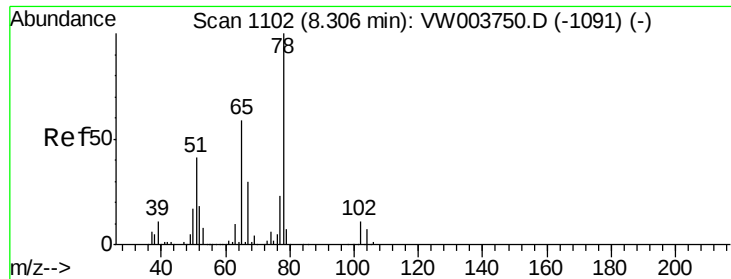
apatel
7/11/2018 12:17:57 PM



#32
1,1,1-Trichloroethane
Concen: 47.89 ug/l
RT: 7.87 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.2	76.8
61	47.2	37.6	56.4





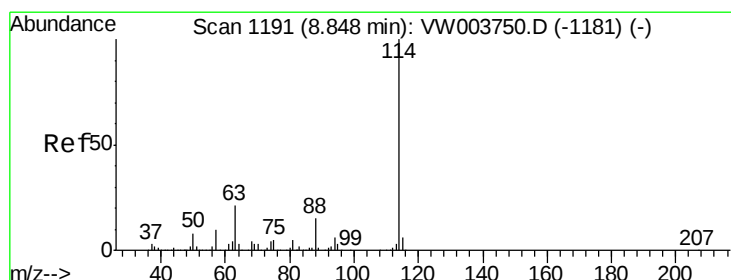
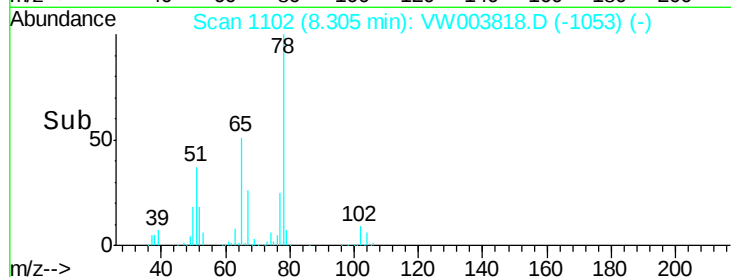
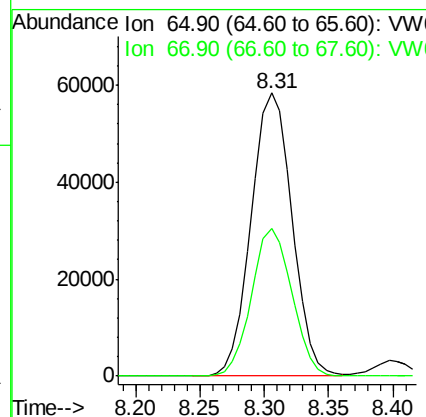
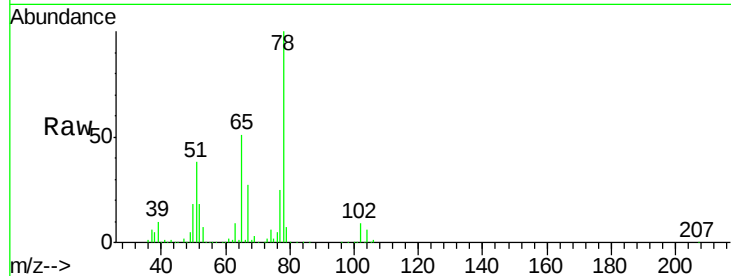
#33
 1,2-Dichloroethane-d4
 Concen: 45.36 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW003818.D
 Acq: 10 Jul 2018 11:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	128585		
67	51.6	0.0	103.8	

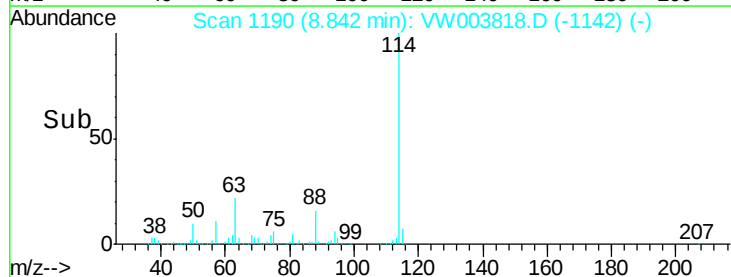
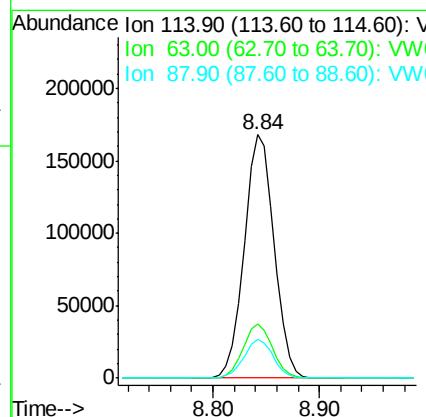
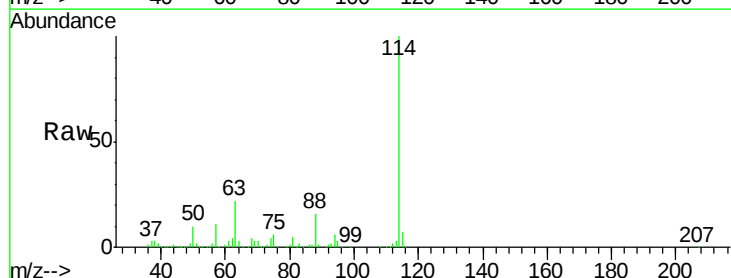
Manual Integrations
 APPROVED

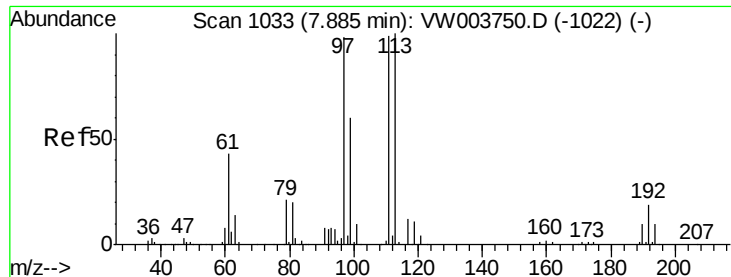
apatel
 7/11/2018 12:17:57 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW003818.D
 Acq: 10 Jul 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	330271		
63	22.2	0.0	41.8	
88	16.0	0.0	30.2	





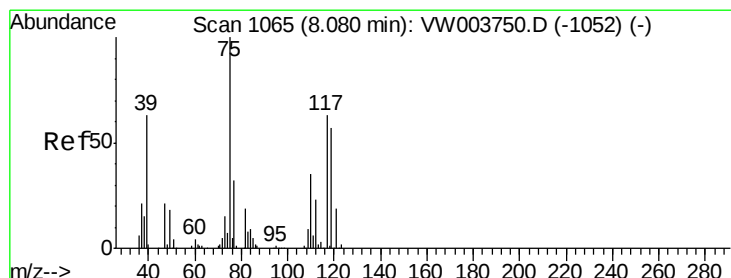
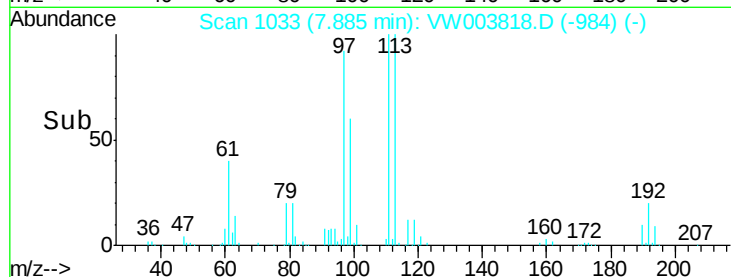
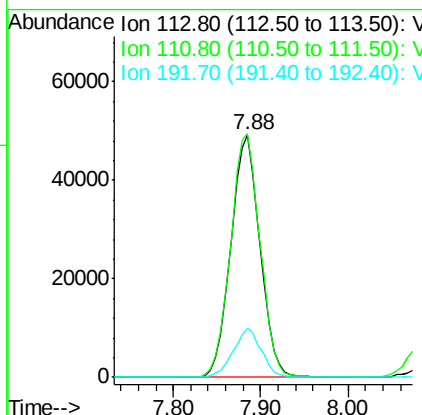
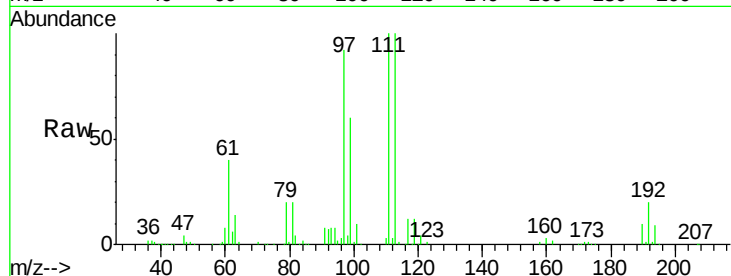
#35
 Dibromofluoromethane
 Concen: 49.11 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003818.D
 Acq: 10 Jul 2018 11:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.2	81.7	122.5	
192	19.6	15.8	23.8	

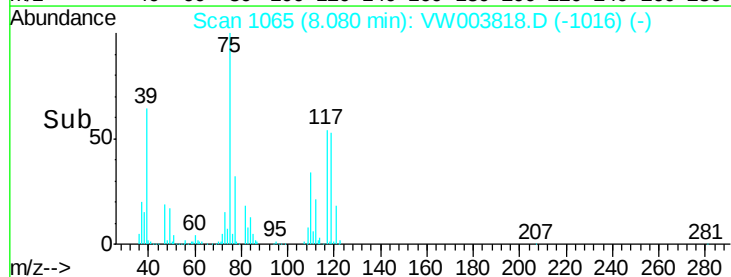
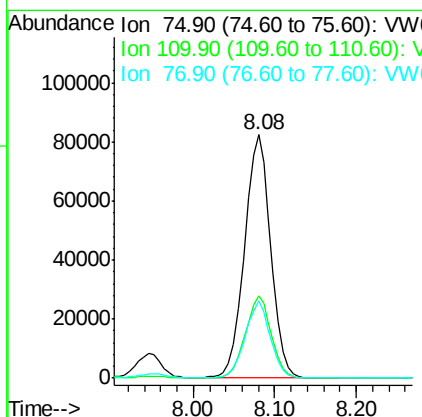
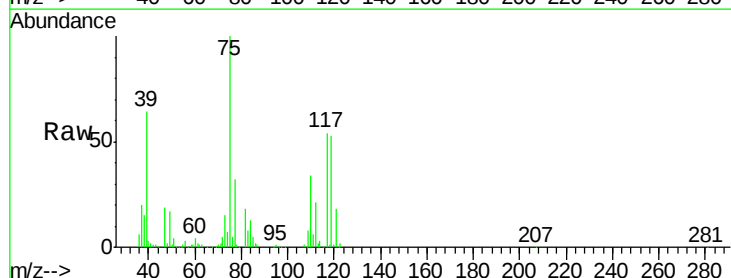
Manual Integrations
 APPROVED

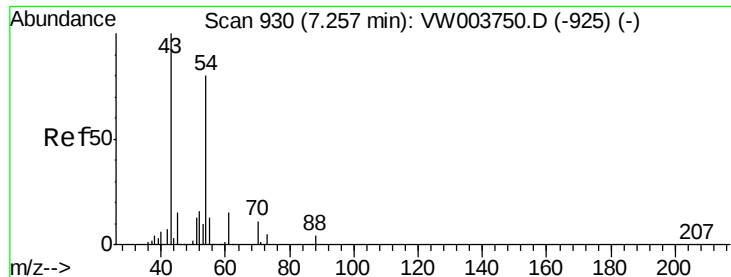
apatel
 7/11/2018 12:17:57 PM



#36
 1,1-Dichloropropene
 Concen: 52.35 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW003818.D
 Acq: 10 Jul 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.2	16.9	50.6	
77	30.8	24.8	37.2	





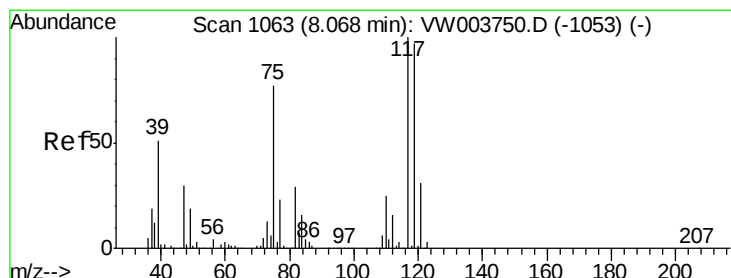
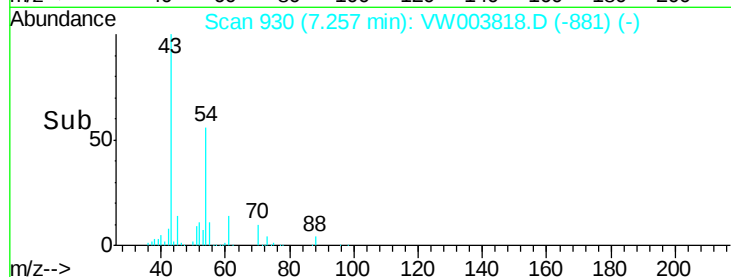
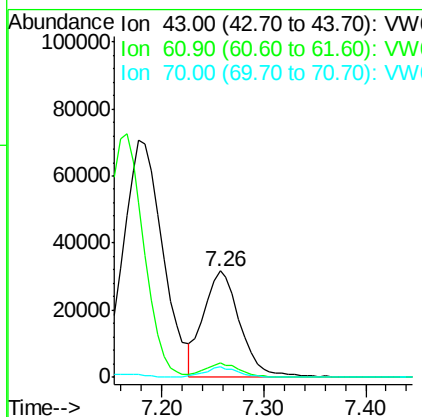
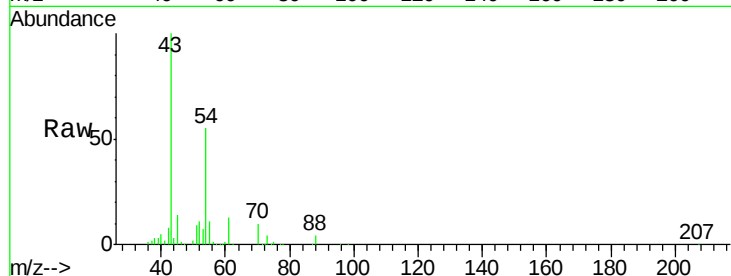
#37
Ethyl Acetate
Concen: 46.06 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Instrument :
MSVOA_W
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.6	15.8
70	8.9	7.5	11.3

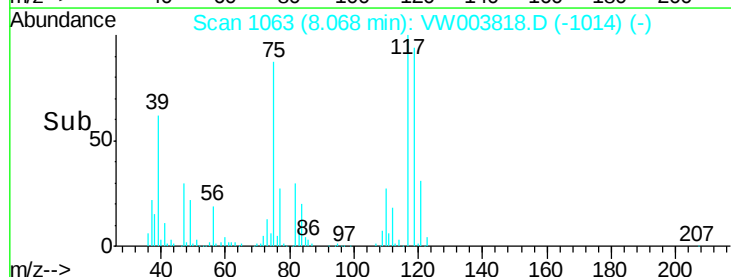
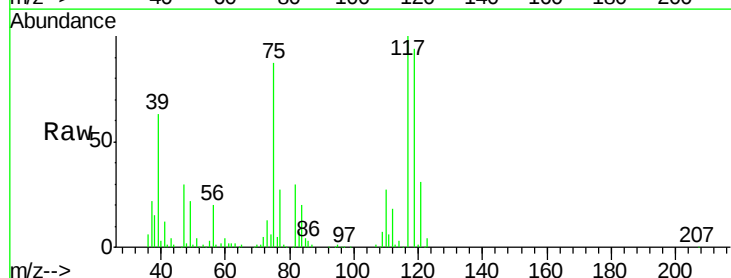
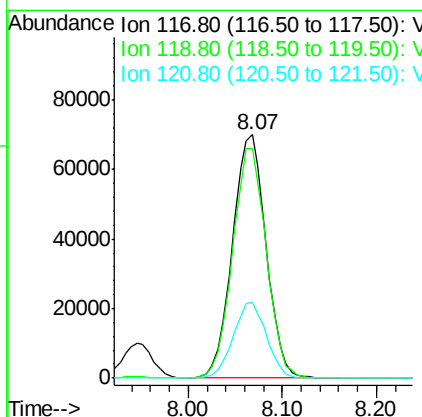
Manual Integrations
APPROVED

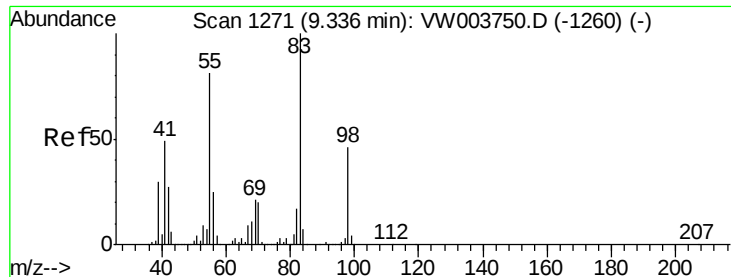
apatel
7/11/2018 12:17:57 PM



#38
Carbon Tetrachloride
Concen: 51.78 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.4	116.2
121	31.4	24.6	37.0





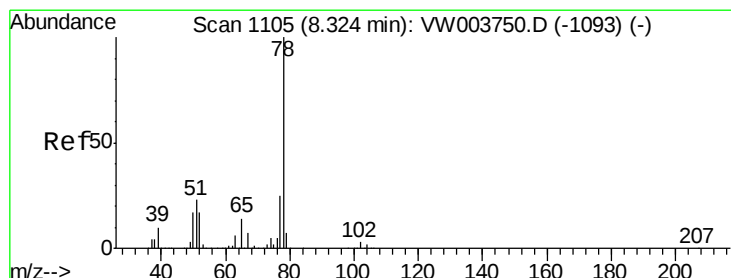
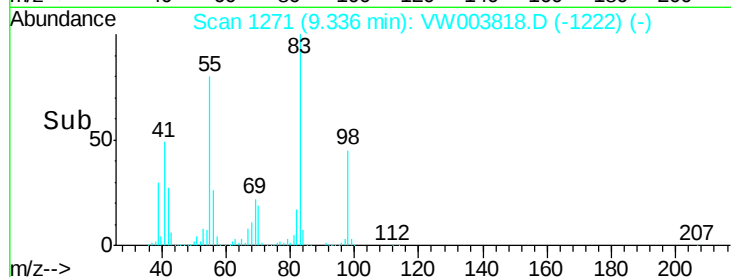
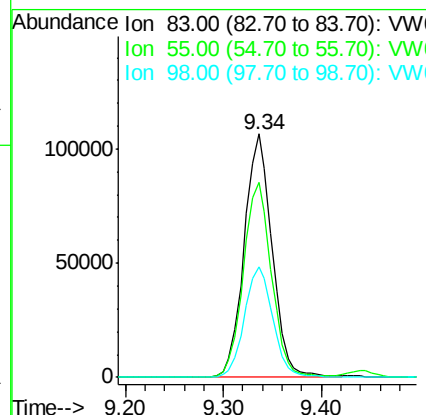
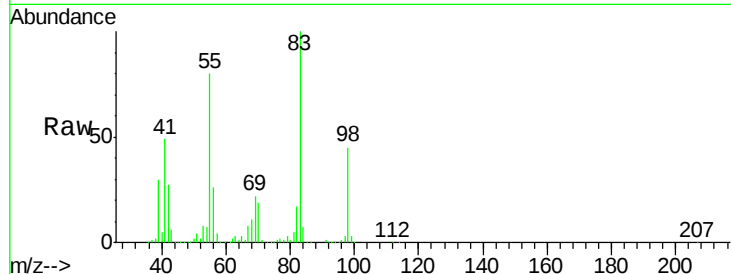
#39
Methvlcvclohexane
Concen: 55.16 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.0	65.1	97.7	
98	45.5	36.7	55.1	

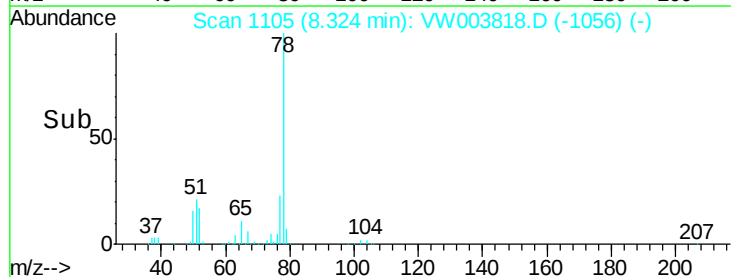
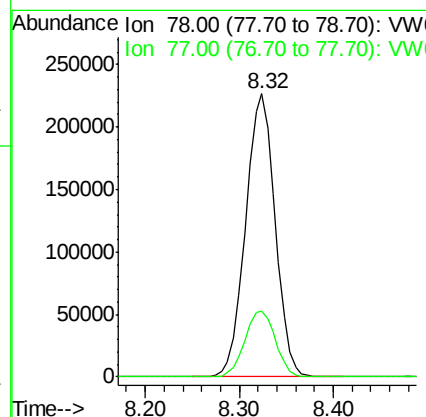
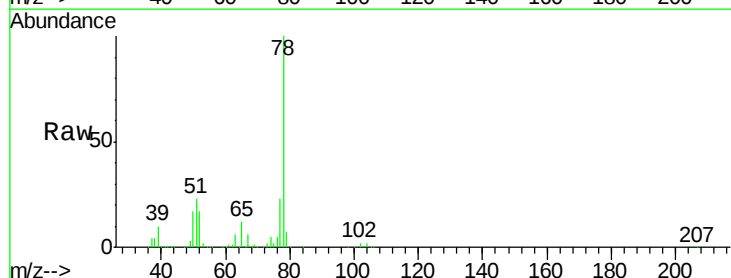
Manual Integrations
APPROVED

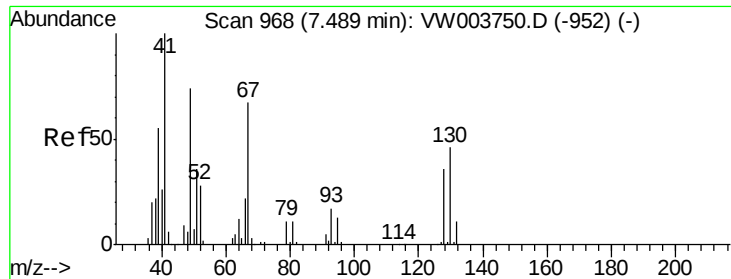
apatel
7/11/2018 12:17:57 PM



#40
Benzene
Concen: 49.54 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.4	19.7	29.5	





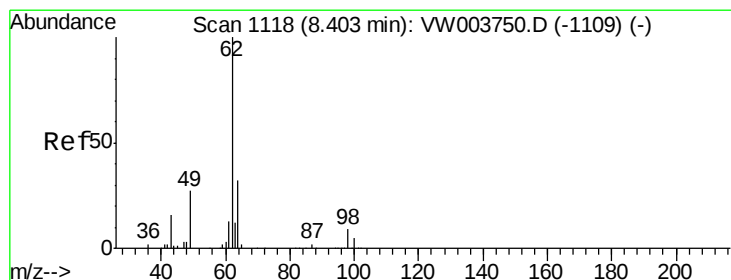
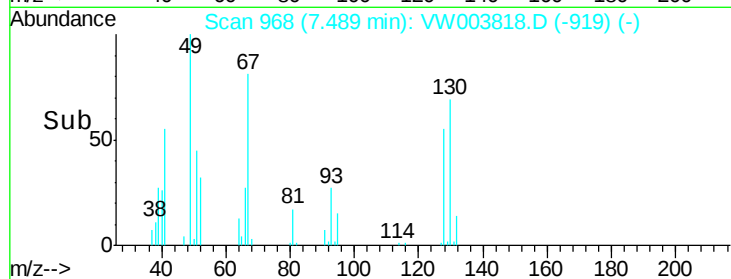
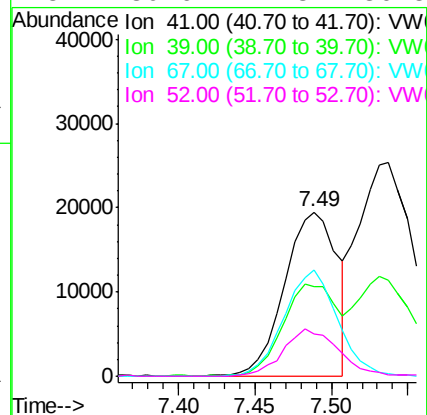
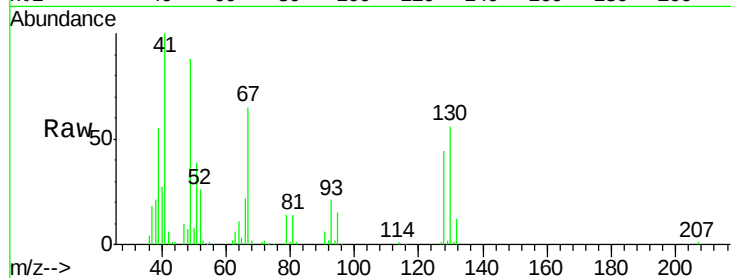
#41
Methacrylonitrile
Concen: 47.63 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.7	49.5	74.3
67	66.0	53.8	80.8
52	30.6	24.3	36.5

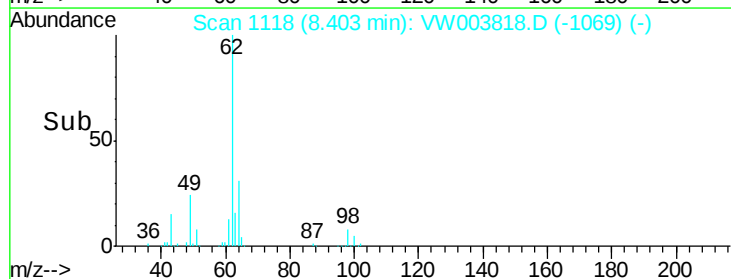
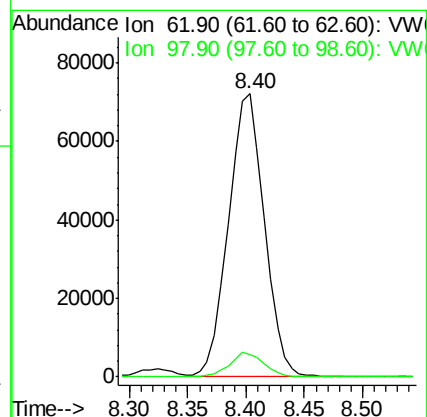
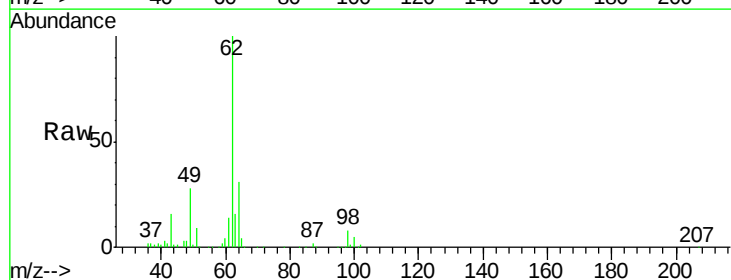
Manual Integrations
APPROVED

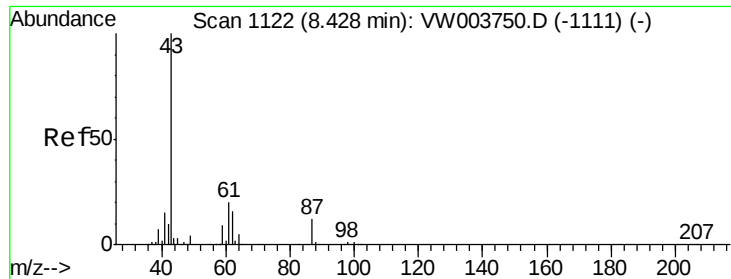
apatel
7/11/2018 12:17:57 PM



#42
1,2-Dichloroethane
Concen: 47.68 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.4





#43

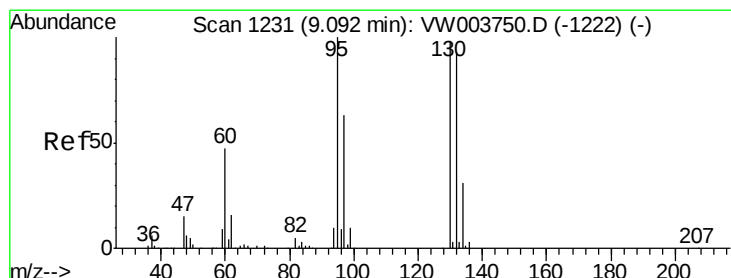
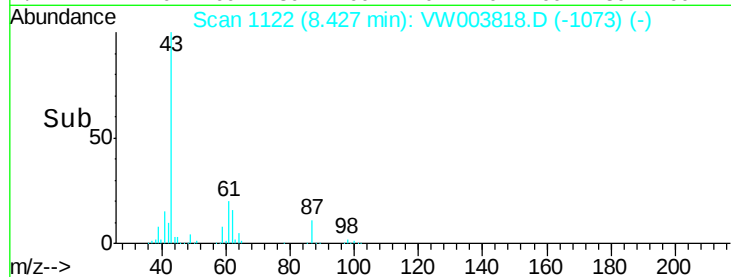
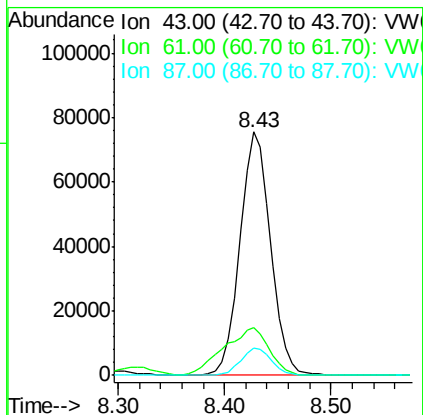
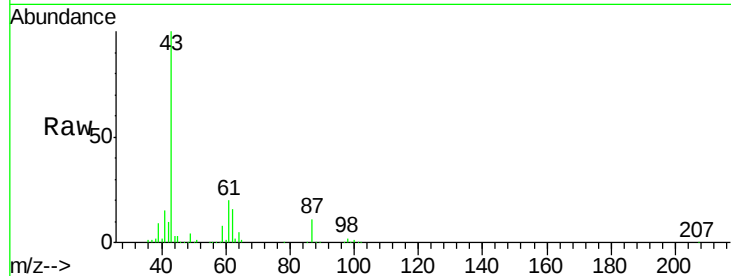
Isopropyl Acetate
 Concen: 47.06 ug/l
 RT: 8.43 min Scan# 1122
 Delta R.T. -0.00 min
 Lab File: VW003818.D
 Acq: 10 Jul 2018 11:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.8	22.8	34.2
87	11.4	9.5	14.3

Manual Integrations
 APPROVED

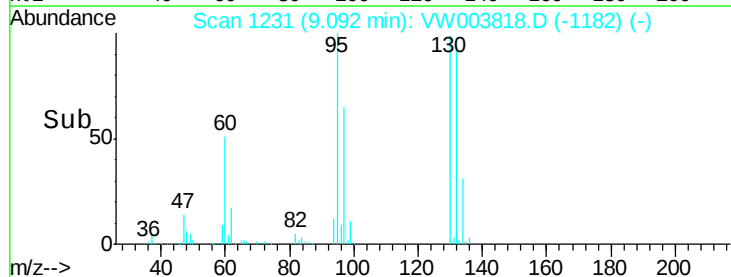
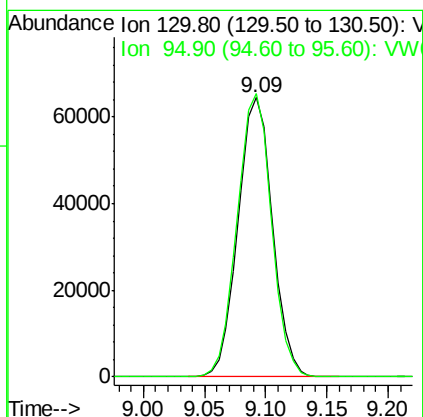
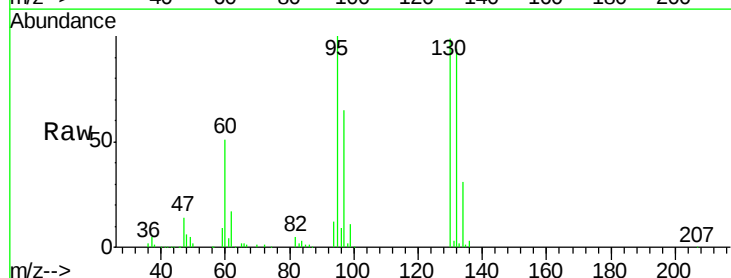
apatel
 7/11/2018 12:17:57 PM

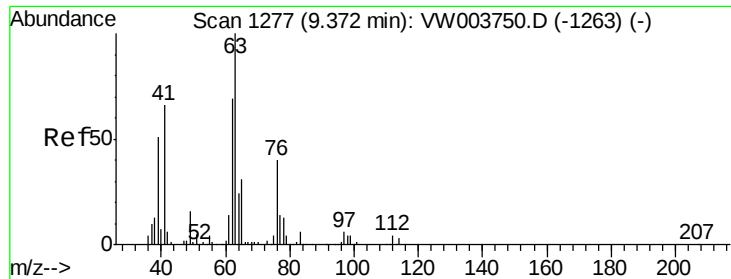


#44

Trichloroethene
 Concen: 49.99 ug/l
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VW003818.D
 Acq: 10 Jul 2018 11:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	203.8





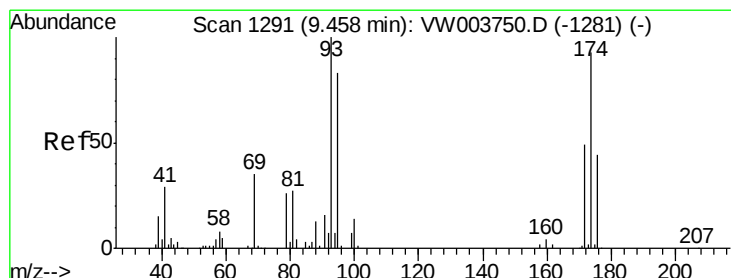
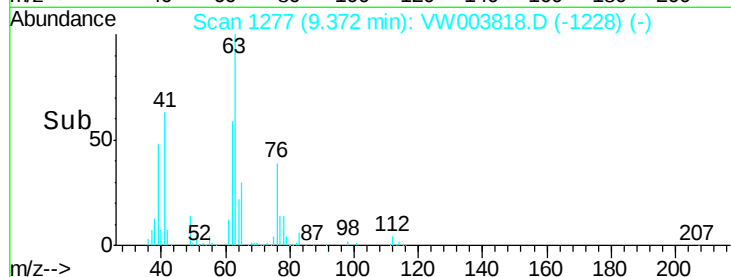
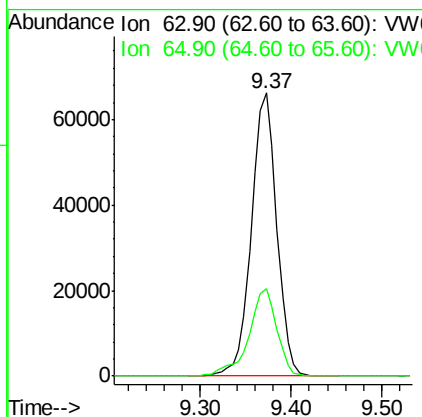
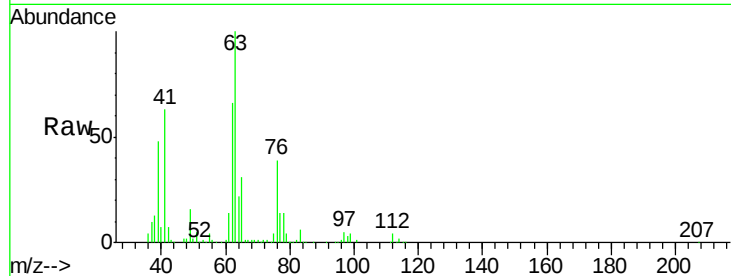
#45
 1,2-Dichloropropane
 Concen: 49.22 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW003818.D
 Acq: 10 Jul 2018 11:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.9	37.3

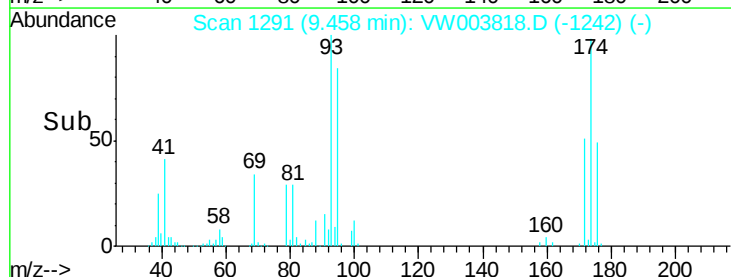
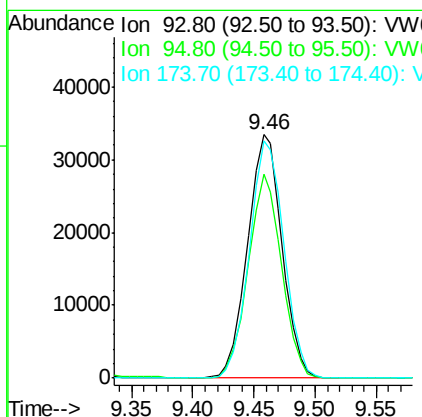
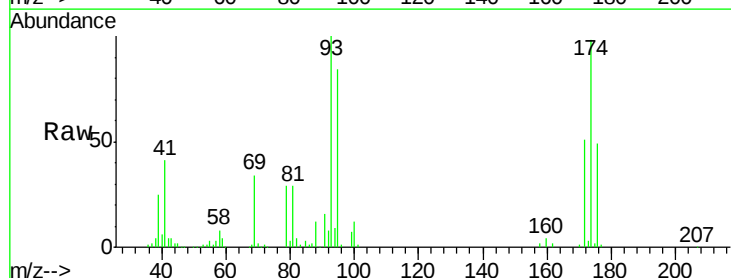
Manual Integrations
 APPROVED

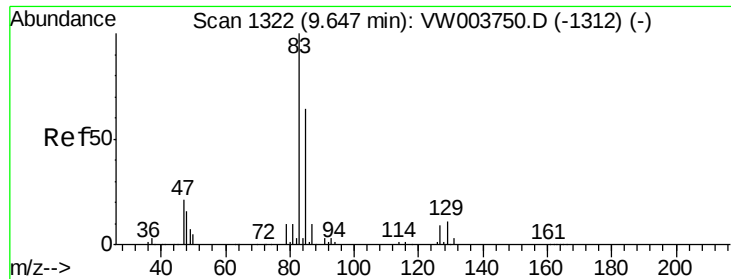
apatel
 7/11/2018 12:17:57 PM



#46
 Dibromomethane
 Concen: 47.98 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VW003818.D
 Acq: 10 Jul 2018 11:50

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.0	67.2	100.8
174	97.6	78.1	117.1





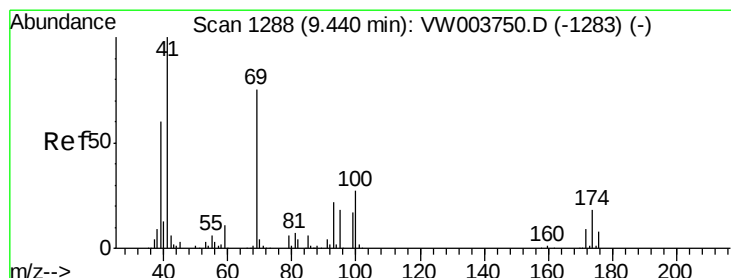
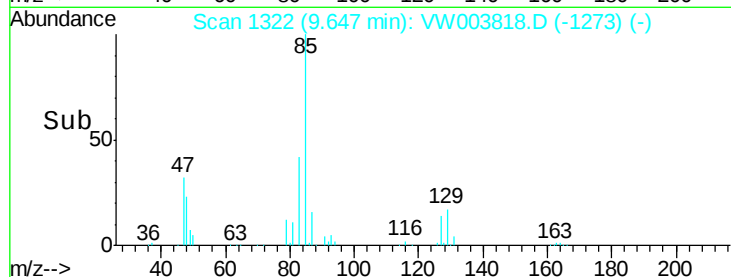
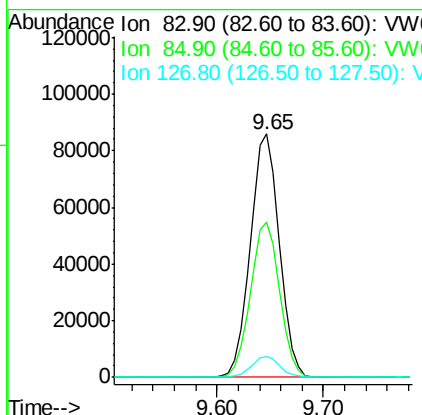
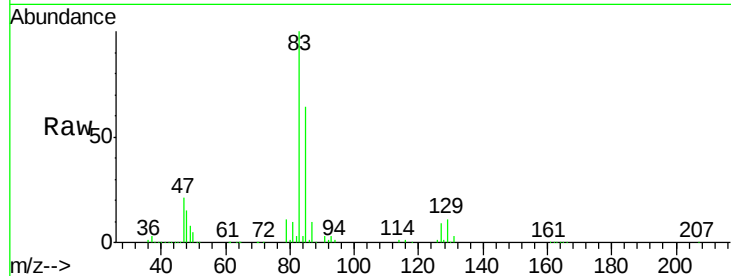
#47
Bromodichloromethane
Concen: 48.87 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	164670
Ion Ratio	100		
85	63.9	51.4	77.0
127	8.8	6.8	10.2

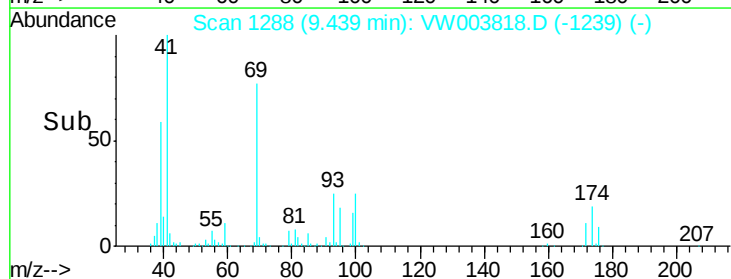
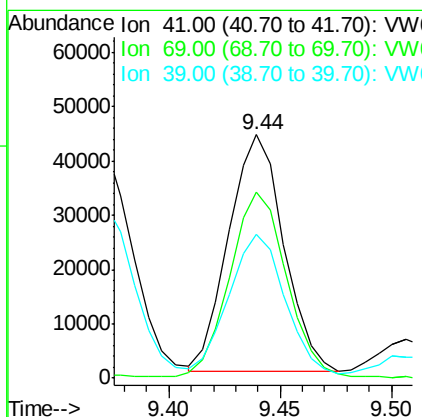
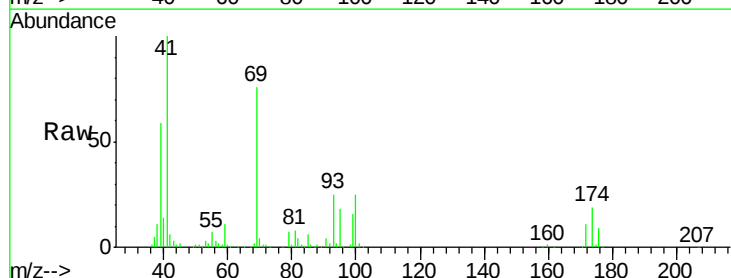
Manual Integrations
APPROVED

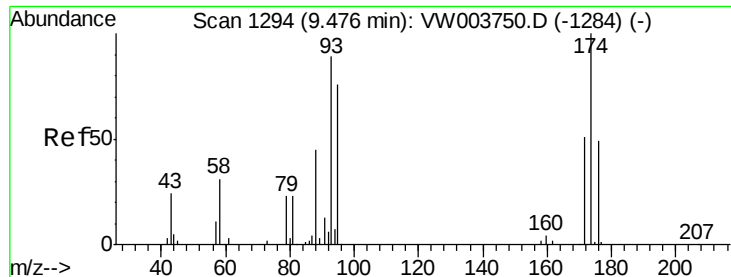
apatel
7/11/2018 12:17:57 PM



#48
Methyl methacrylate
Concen: 48.51 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Tgt Ion	41	Resp	74658
Ion Ratio	100		
69	81.9	63.8	95.8
39	63.7	50.2	75.2





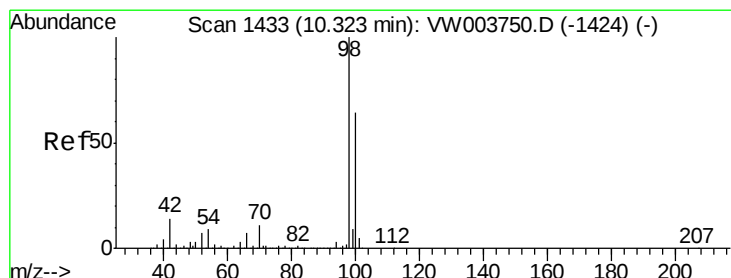
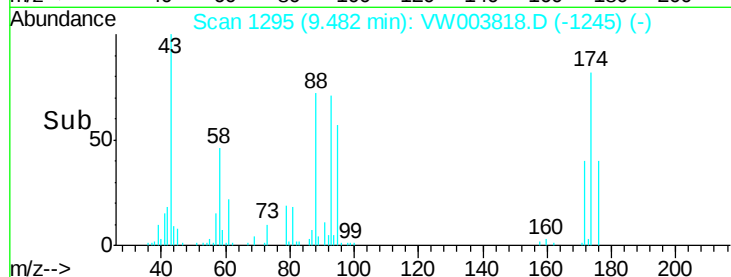
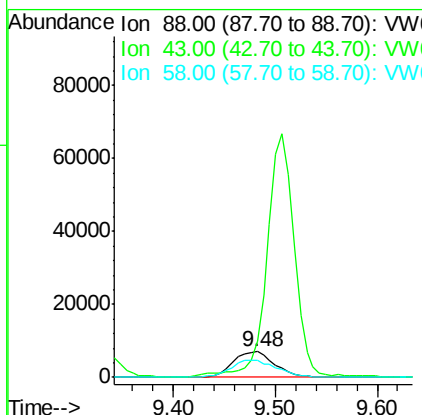
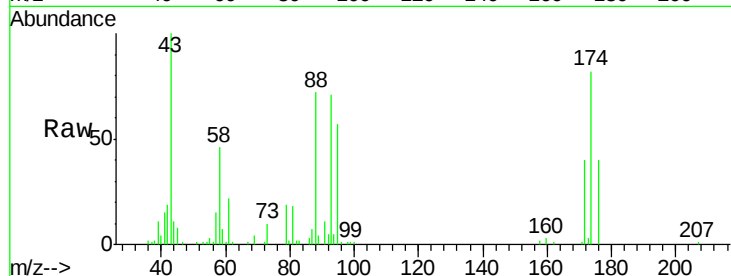
#49
1,4-Dioxane
Concen: 965.80 ug/l
RT: 9.48 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	19771
Ion Ratio	Lower	Upper	
88	100		
43	0.0	0.0	0.0
58	75.8	59.7	89.5

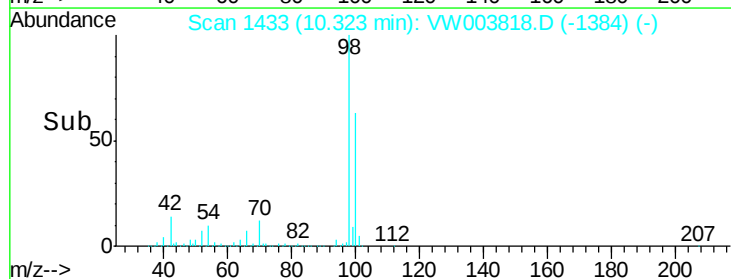
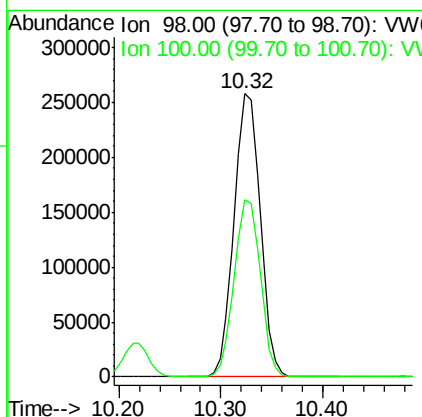
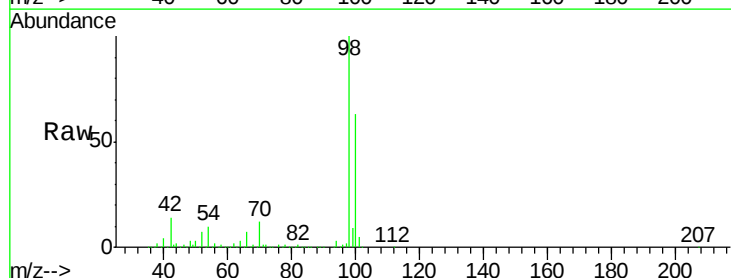
Manual Integrations
APPROVED

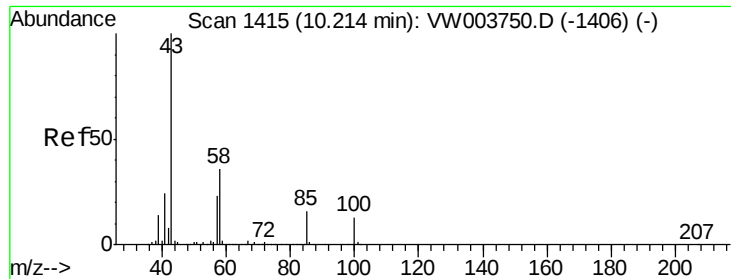
apatel
7/11/2018 12:17:57 PM



#50
Toluene-d8
Concen: 51.95 ug/l
RT: 10.32 min Scan# 1433
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Tgt Ion	98	Resp	459333
Ion Ratio	Lower	Upper	
98	100		
100	62.6	50.8	76.2





#51

4-Methyl-2-Pentanone

Concen: 245.91 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW003818.D

Acq: 10 Jul 2018 11:50

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 411229

Ion Ratio Lower Upper

43 100

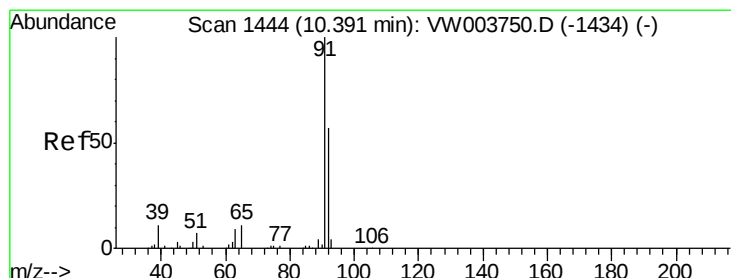
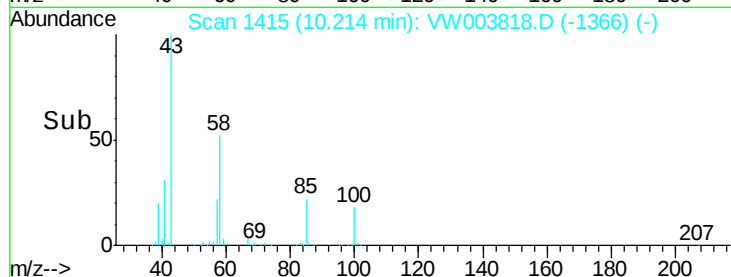
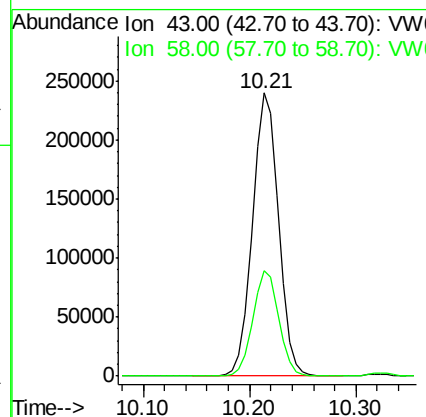
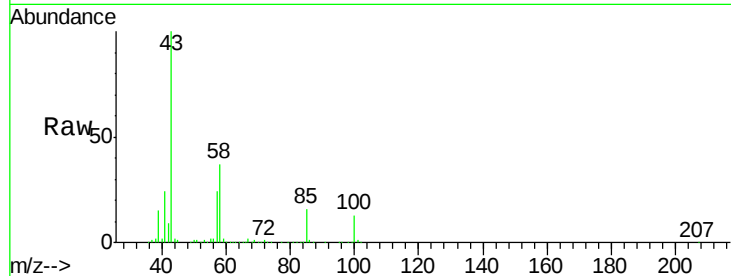
58 36.9 29.3 43.9

Manual Integrations

APPROVED

apatel

7/11/2018 12:17:57 PM



#52

Toluene

Concen: 51.42 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW003818.D

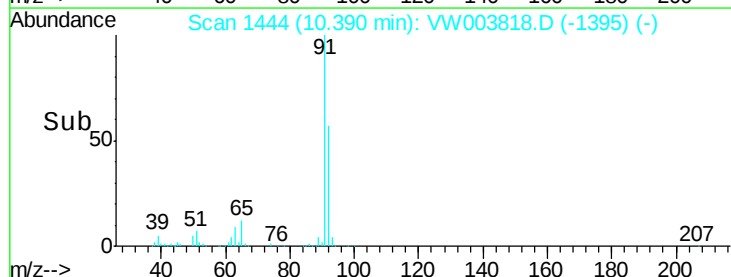
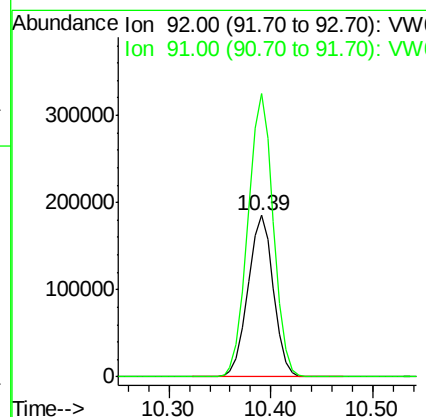
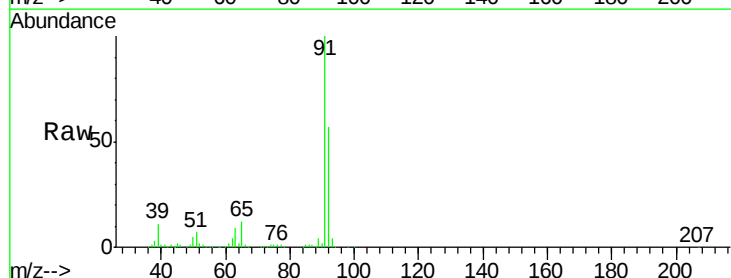
Acq: 10 Jul 2018 11:50

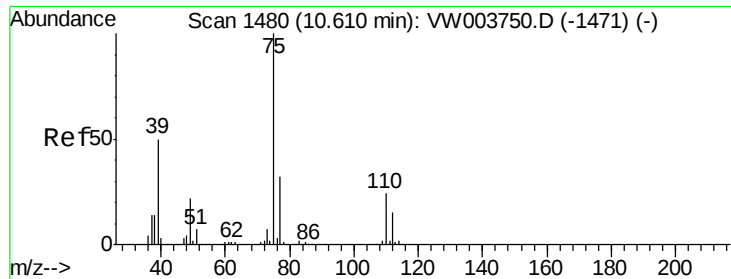
Tgt Ion: 92 Resp: 319428

Ion Ratio Lower Upper

92 100

91 175.4 140.6 211.0





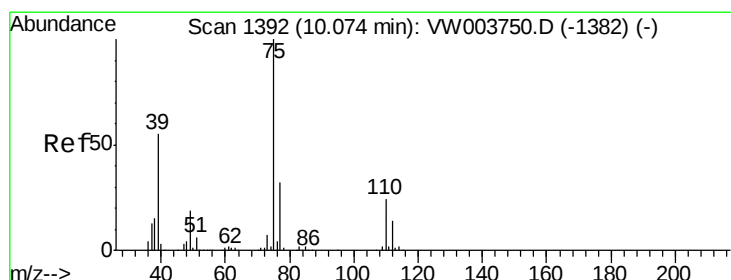
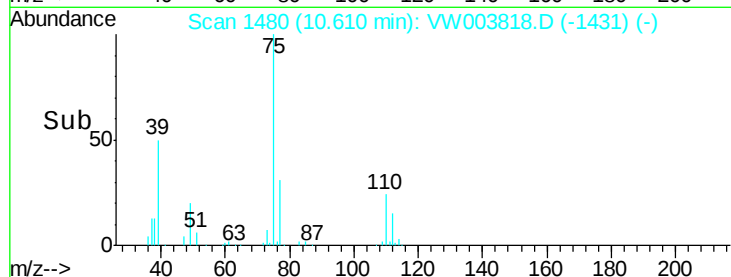
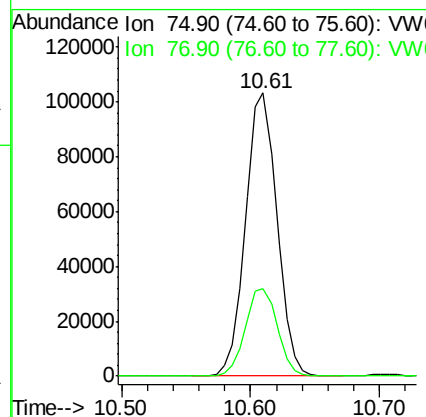
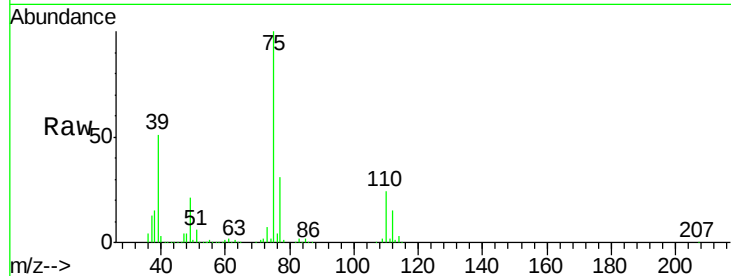
#53
t-1,3-Dichloropropene
Concen: 51.58 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 173528
Ion Ratio Lower Upper
75 100
77 30.7 25.5 38.3

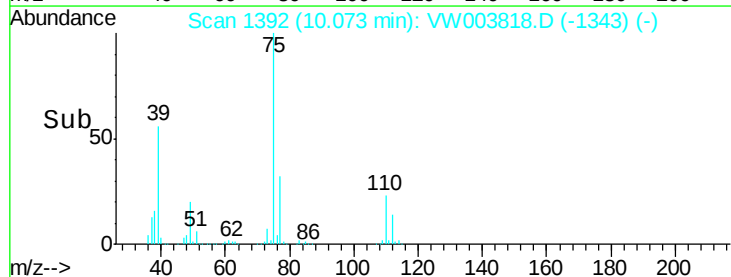
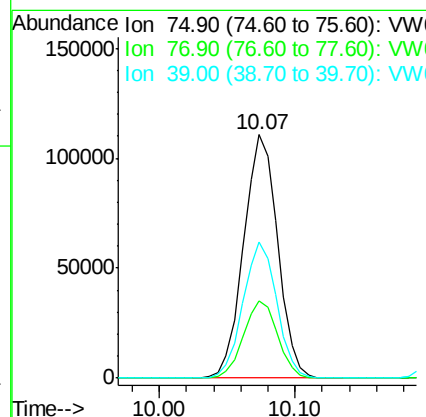
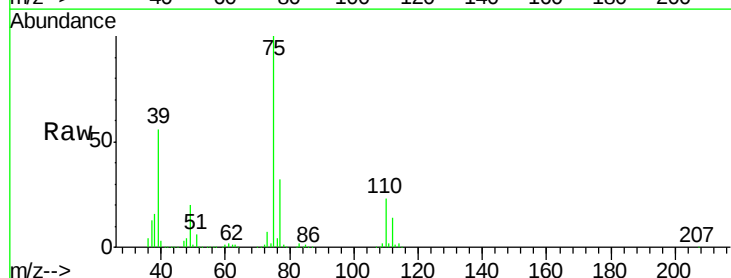
Manual Integrations
APPROVED

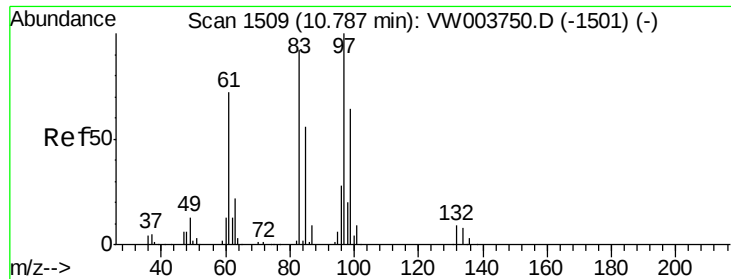
apatel
7/11/2018 12:17:57 PM



#54
cis-1,3-Dichloropropene
Concen: 51.03 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Tgt Ion: 75 Resp: 193797
Ion Ratio Lower Upper
75 100
77 31.9 25.6 38.4
39 55.6 43.6 65.4





#55

1,1,2-Trichloroethane

Concen: 48.39 ug/l

RT: 10.79 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VW003818.D

Acq: 10 Jul 2018 11:50

Instrument :

MSVOA_W

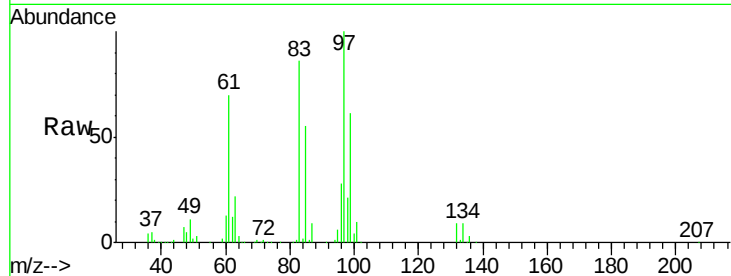
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	92060
Ion	Ratio	Lower	Upper
97	100		
83	86.1	73.8	110.6
85	54.5	45.0	67.4
99	61.2	51.2	76.8

Manual Integrations
APPROVED

apatel
7/11/2018 12:17:57 PM

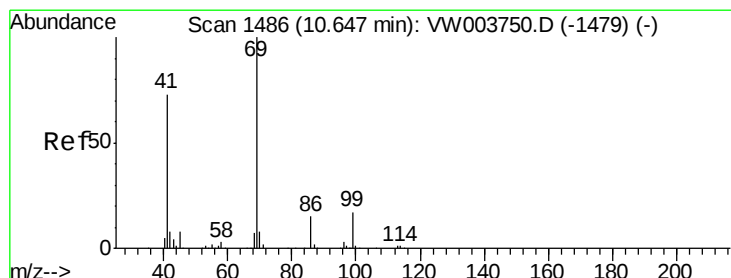
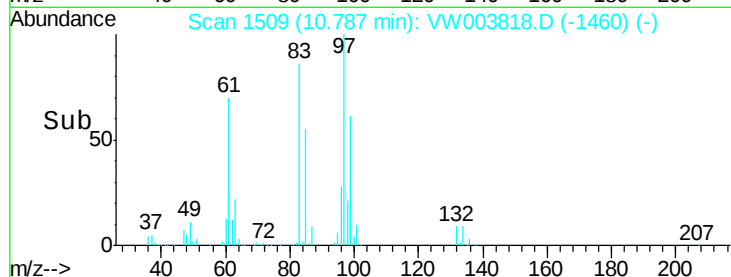
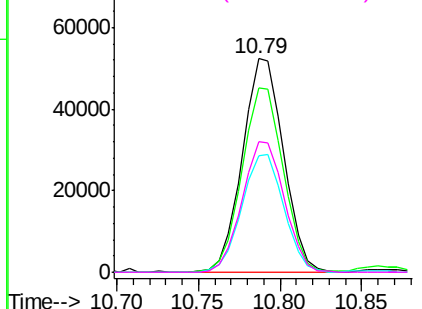


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 51.86 ug/l

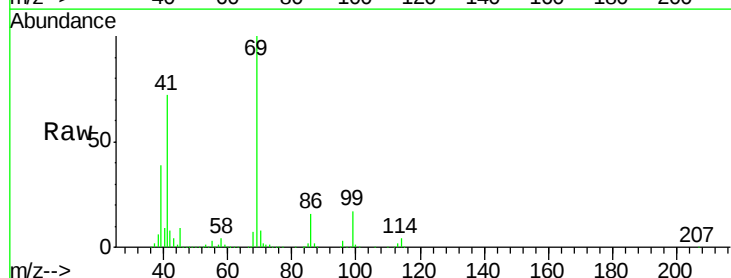
RT: 10.65 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VW003818.D

Acq: 10 Jul 2018 11:50

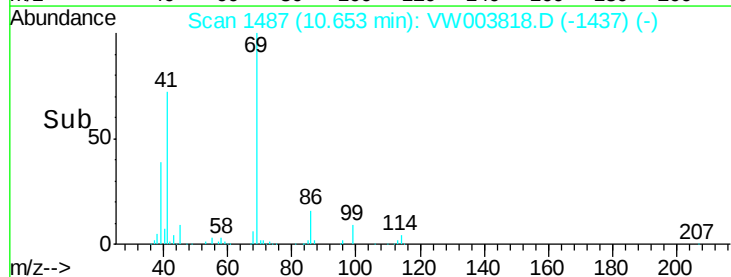
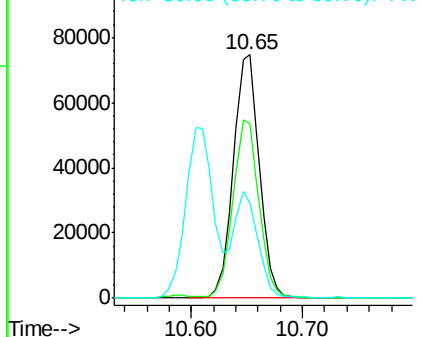
Tgt Ion:	69	Resp:	120392
Ion	Ratio	Lower	Upper
69	100		
41	72.6	59.0	88.4
39	41.2	32.8	49.2

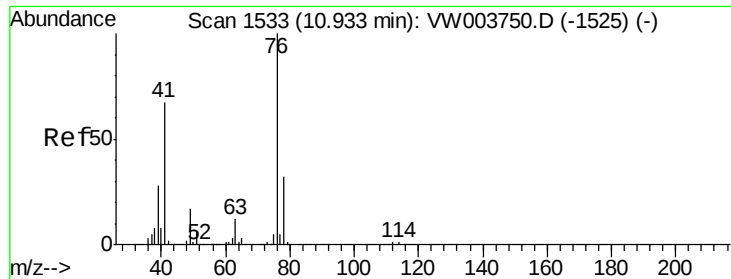


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 48.27 ug/l

RT: 10.93 min Scan# 1533

Delta R.T. -0.00 min

Lab File: VW003818.D

Acq: 10 Jul 2018 11:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 160050

Ion Ratio Lower Upper

76 100

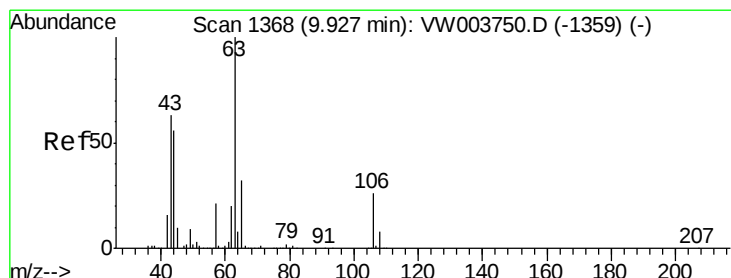
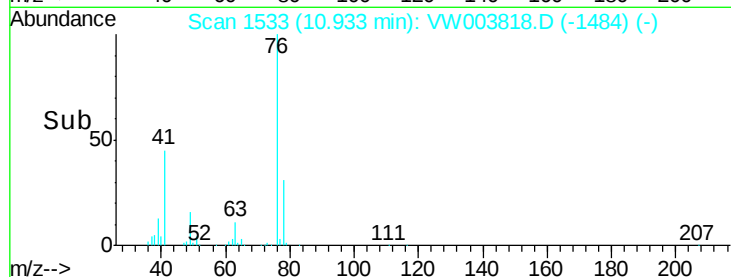
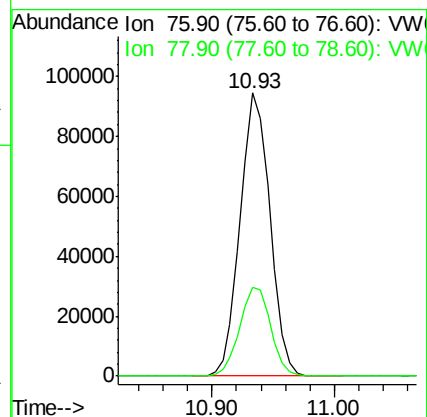
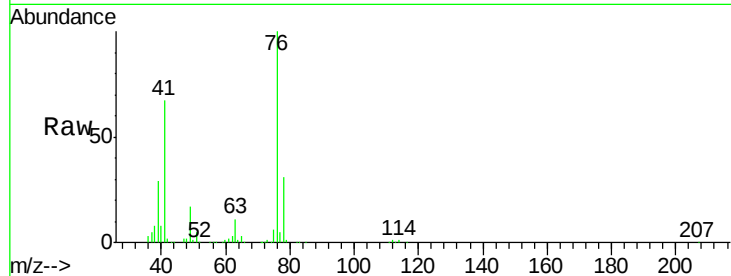
78 32.6 25.6 38.4

Manual Integrations

APPROVED

apatel

7/11/2018 12:17:57 PM



#58

2-Chloroethyl Vinyl ether

Concen: 246.28 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VW003818.D

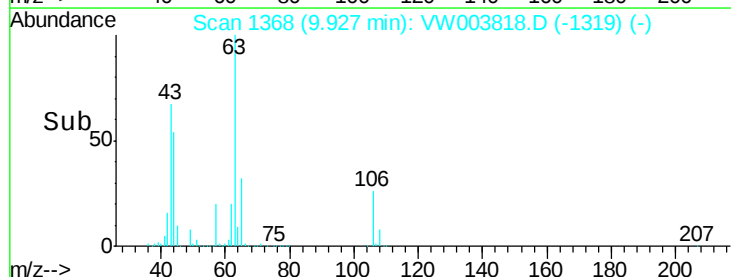
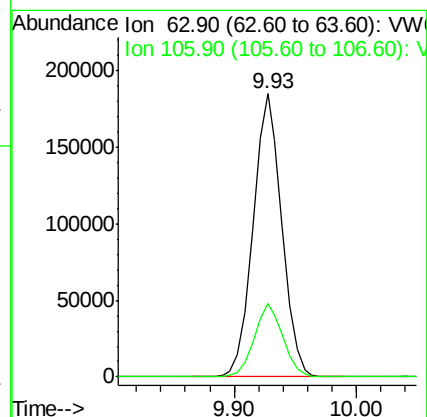
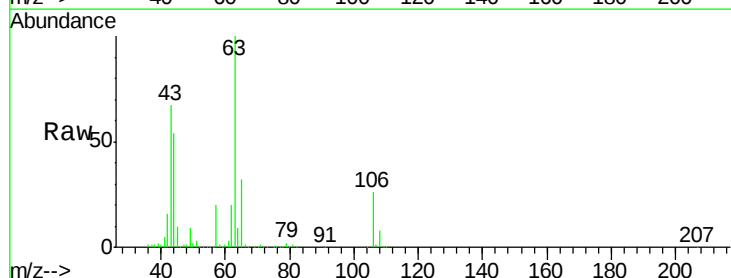
Acq: 10 Jul 2018 11:50

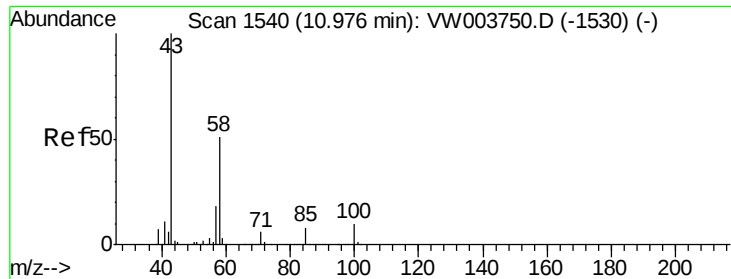
Tgt Ion: 63 Resp: 300768

Ion Ratio Lower Upper

63 100

106 25.7 20.9 31.3





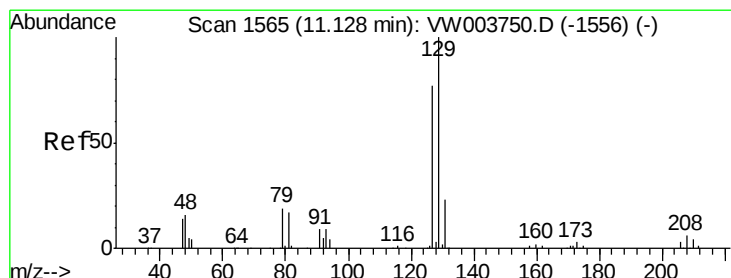
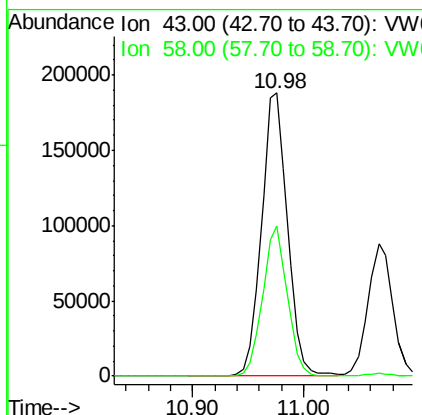
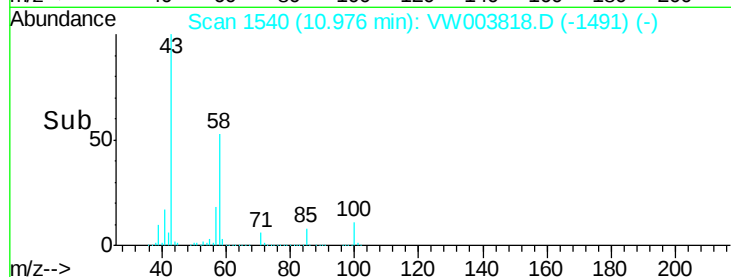
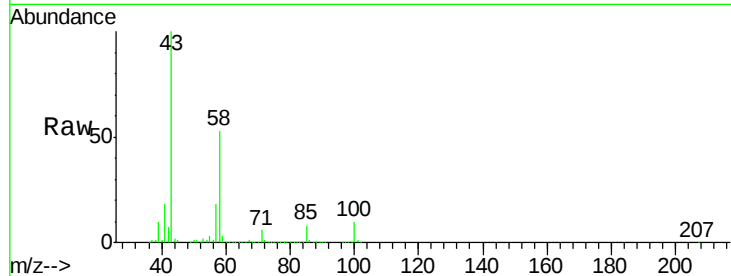
#59
2-Hexanone
Concen: 266.69 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 306254
Ion Ratio Lower Upper
43 100
58 50.5 25.4 76.2

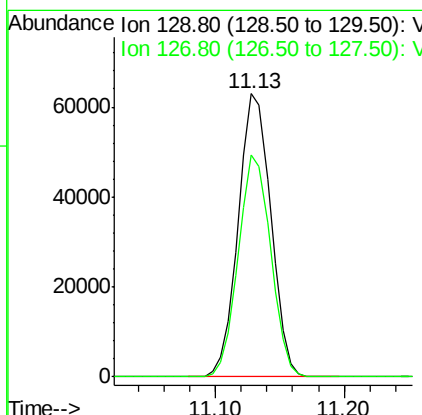
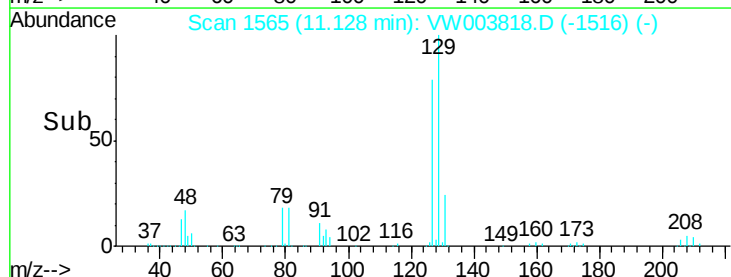
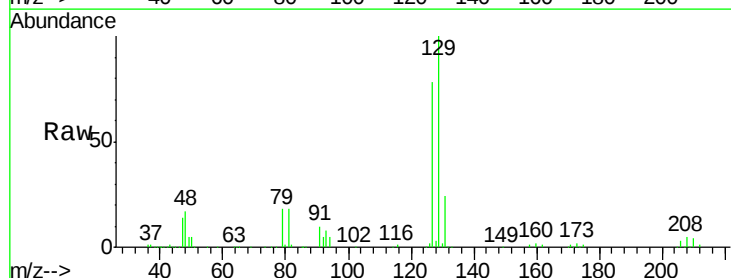
Manual Integrations
APPROVED

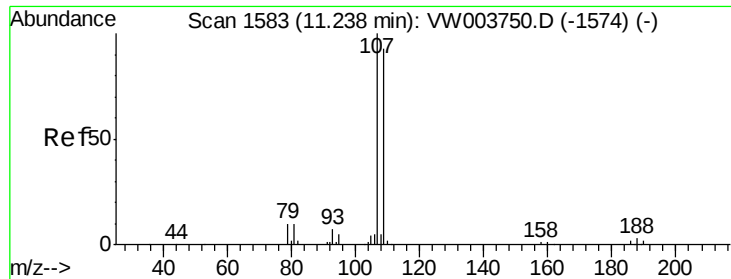
apatel
7/11/2018 12:17:57 PM



#60
Dibromochloromethane
Concen: 49.79 ug/l
RT: 11.13 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Tgt Ion: 129 Resp: 110560
Ion Ratio Lower Upper
129 100
127 77.6 38.9 116.6





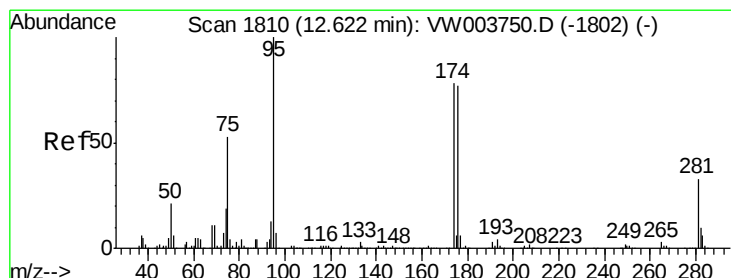
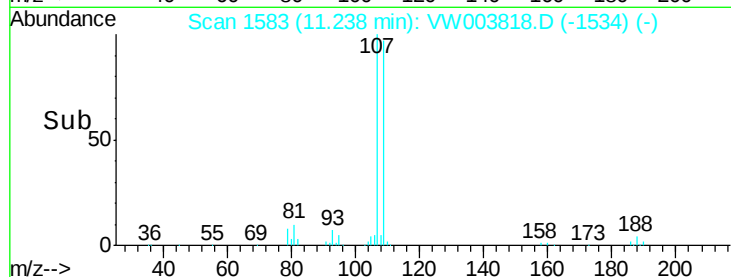
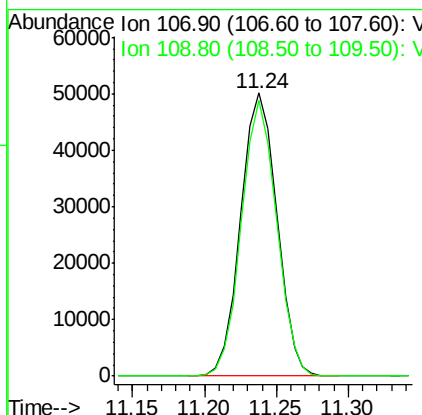
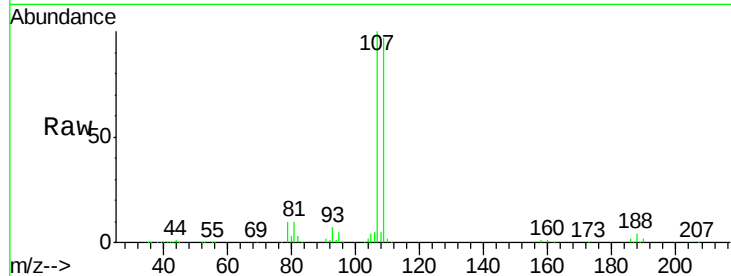
#61
 1,2-Dibromoethane
 Concen: 48.04 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW003818.D
 Acq: 10 Jul 2018 11:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 87403
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.1 112.7

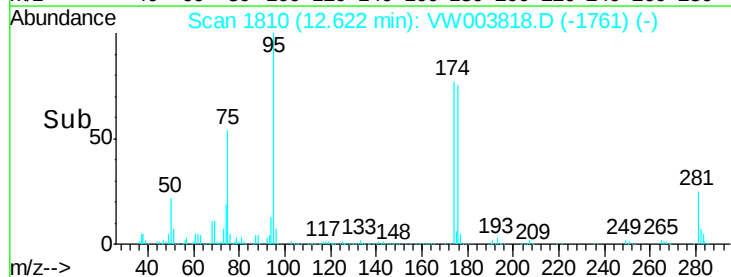
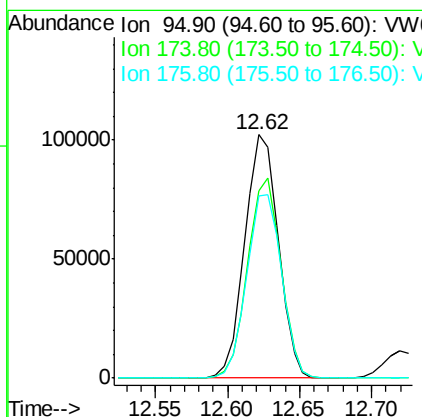
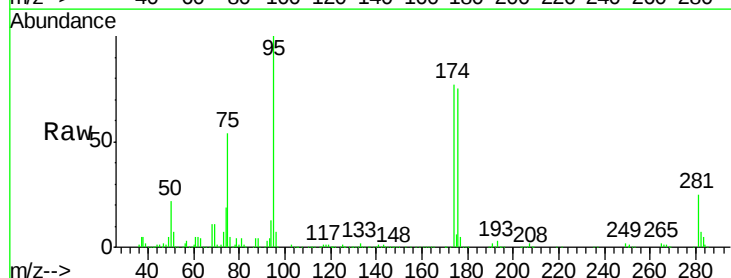
Manual Integrations
 APPROVED

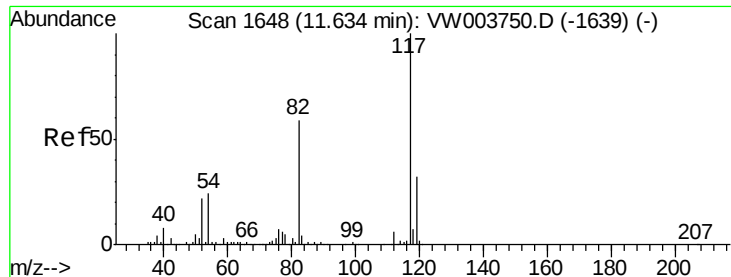
apatel
 7/11/2018 12:17:57 PM



#62
 4-Bromofluorobenzene
 Concen: 51.47 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW003818.D
 Acq: 10 Jul 2018 11:50

Tgt Ion: 95 Resp: 164666
 Ion Ratio Lower Upper
 95 100
 174 81.6 0.0 163.4
 176 78.3 0.0 156.8





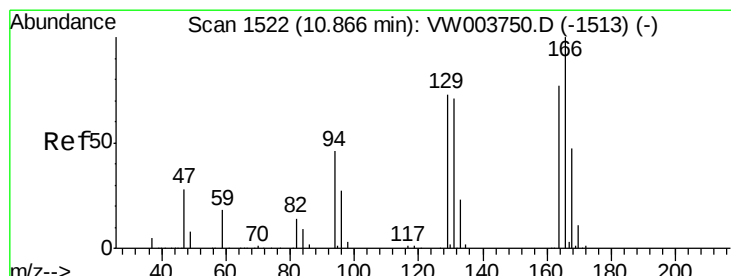
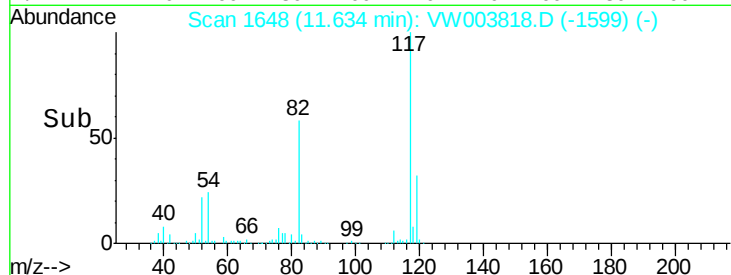
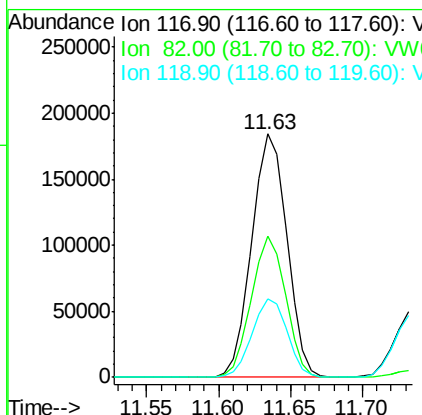
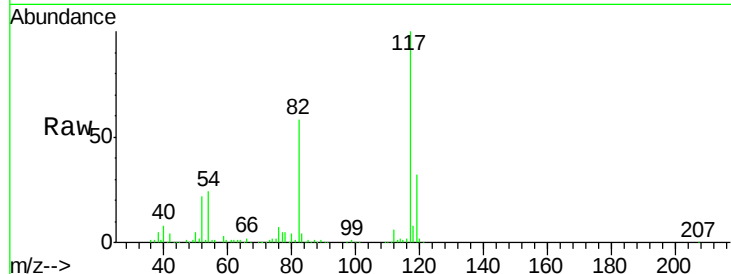
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	311346		
82	58.2	46.9	70.3	
119	32.5	25.5	38.3	

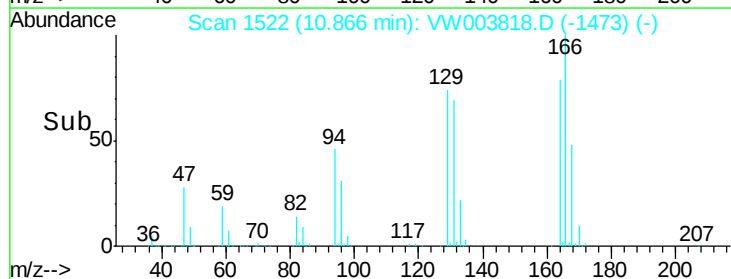
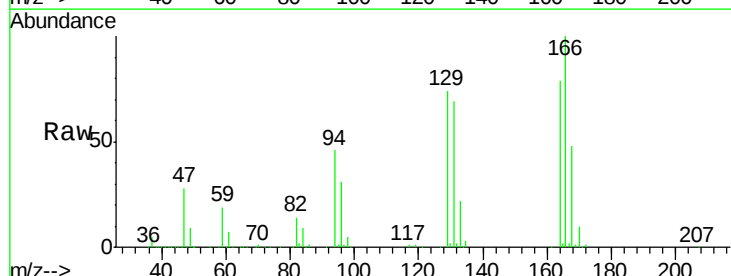
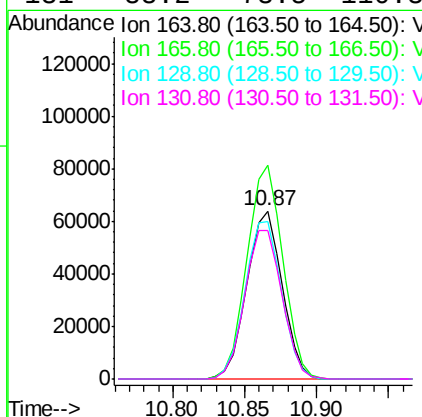
Manual Integrations
APPROVED

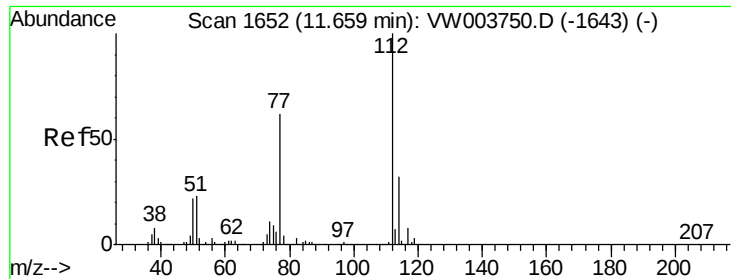
apatel
7/11/2018 12:17:57 PM



#64
Tetrachloroethene
Concen: 46.96 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	108159		
166	127.2	104.2	156.4	
129	93.8	75.8	113.8	
131	88.2	73.5	110.3	





#65

Chlorobenzene

Concen: 50.51 ug/l

RT: 11.66 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VW003818.D

Acq: 10 Jul 2018 11:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 346660

Ion Ratio Lower Upper

112 100

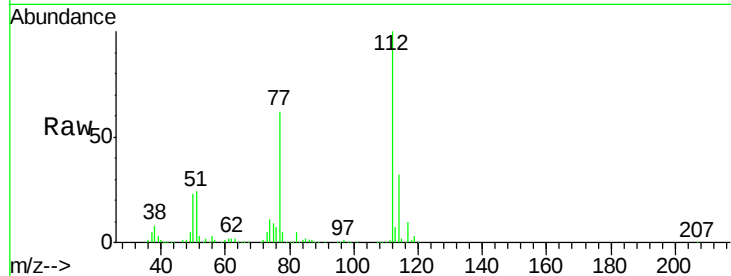
114 32.2 26.0 39.0

Manual Integrations

APPROVED

apatel

7/11/2018 12:17:57 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

200000

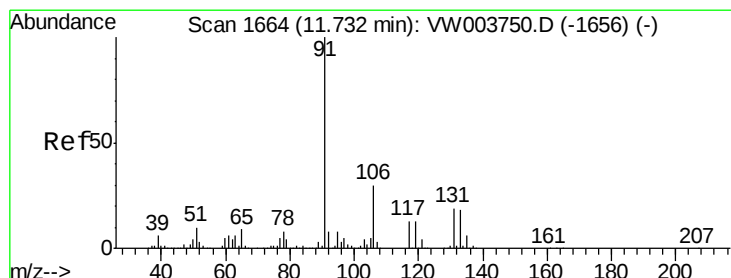
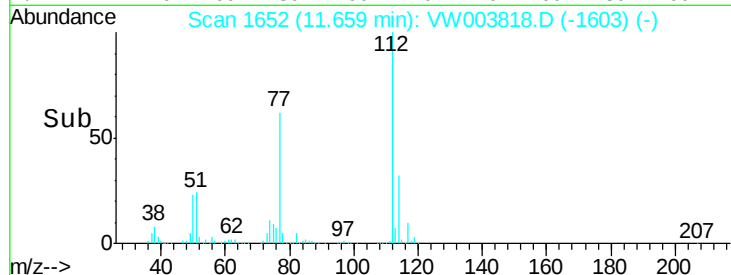
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.69 ug/l

RT: 11.73 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VW003818.D

Acq: 10 Jul 2018 11:50

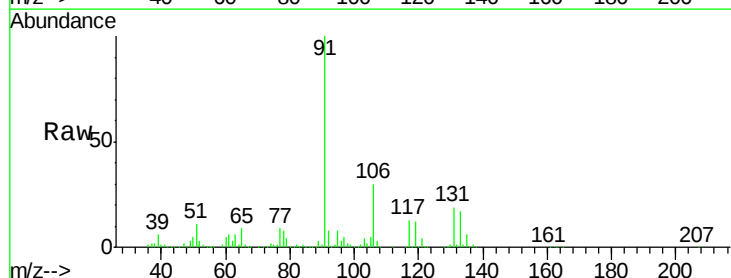
Tgt Ion:131 Resp: 121576

Ion Ratio Lower Upper

131 100

133 95.0 48.0 144.2

119 65.6 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.73

100000

80000

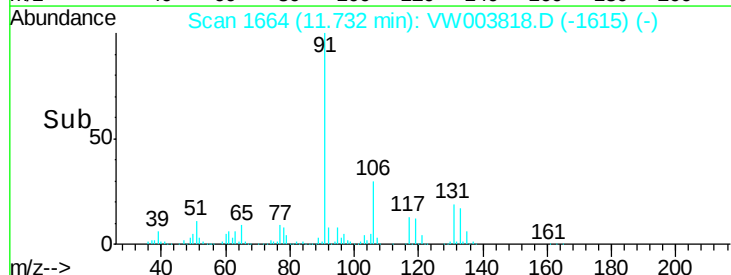
60000

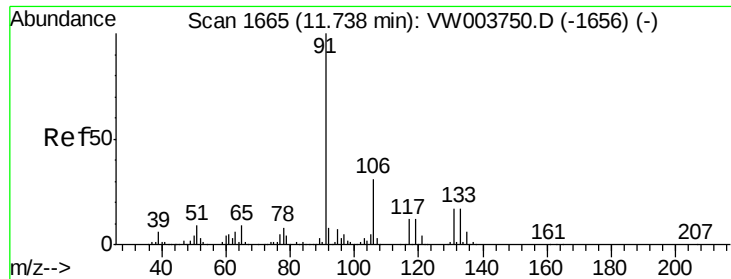
40000

20000

0

Time-->





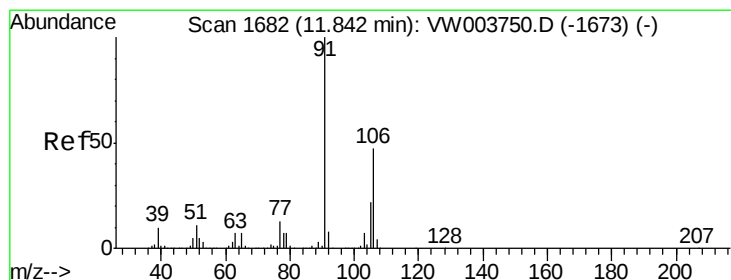
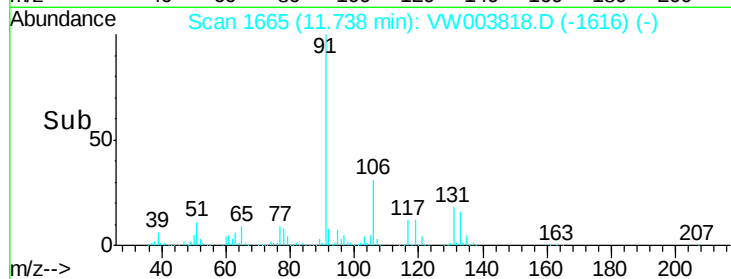
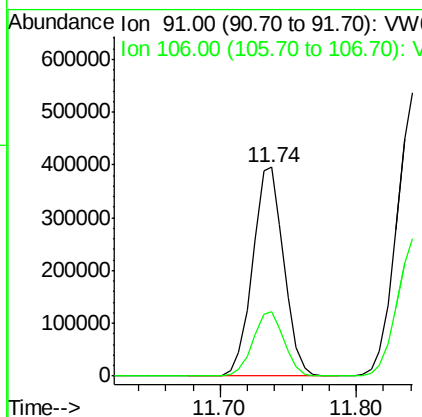
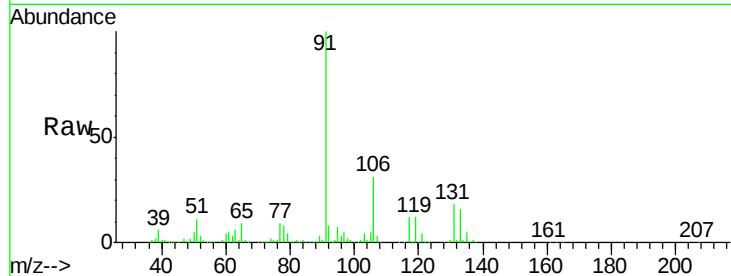
#67
Ethyl Benzene
Concen: 54.07 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 634540
Ion Ratio Lower Upper
91 100
106 31.0 24.6 37.0

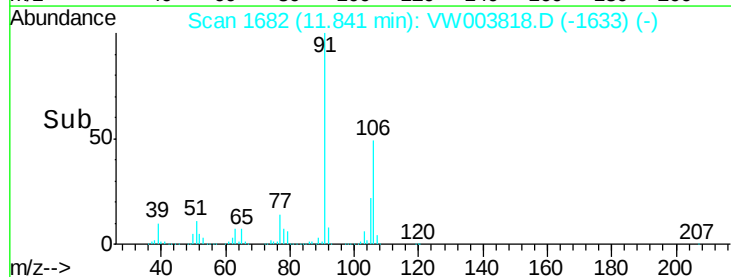
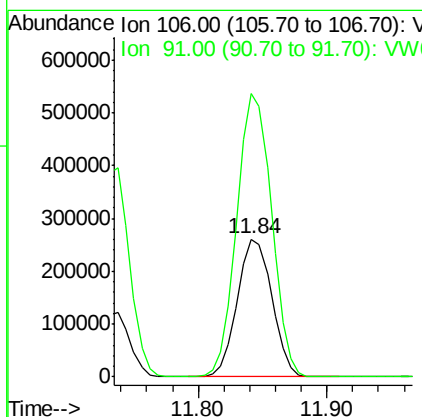
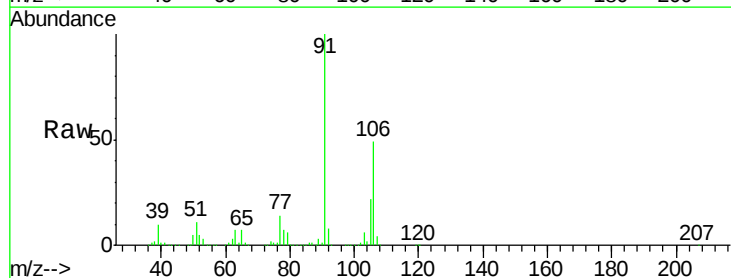
Manual Integrations
APPROVED

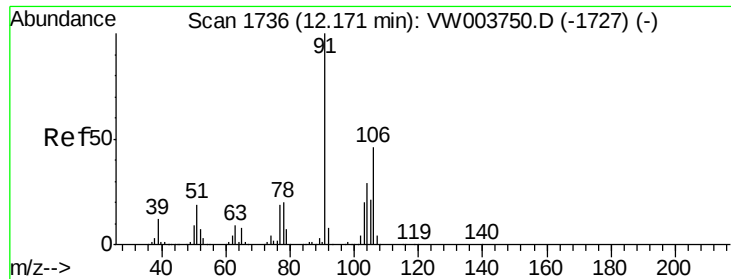
apatel
7/11/2018 12:17:57 PM



#68
m/p-Xylenes
Concen: 108.46 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Tgt Ion: 106 Resp: 487434
Ion Ratio Lower Upper
106 100
91 206.3 164.3 246.5





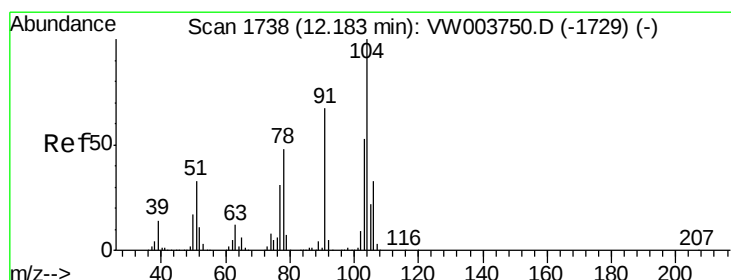
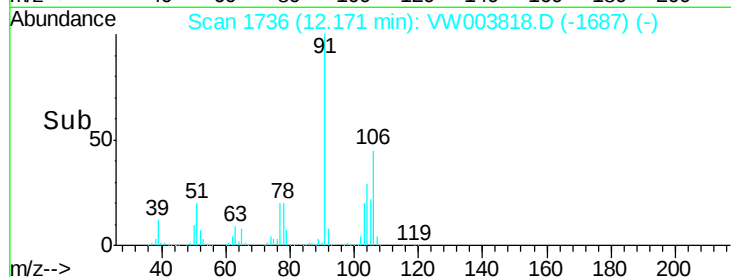
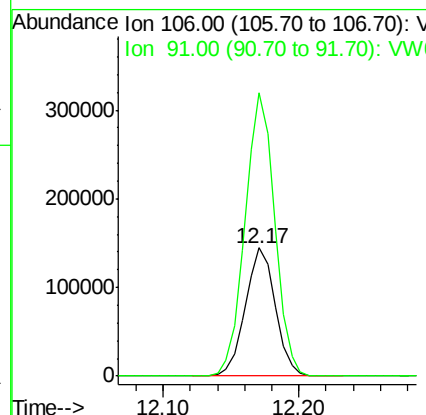
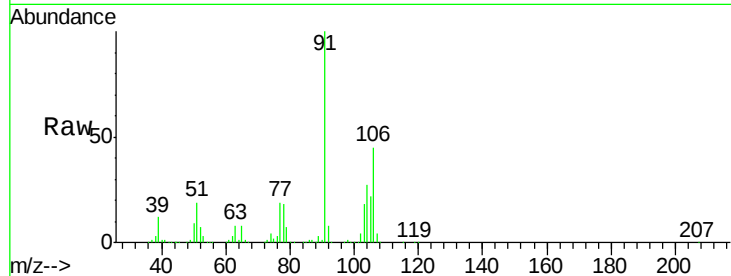
#69
o-Xylene
Concen: 53.80 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		223093		
91	218.8	109.1	327.2		

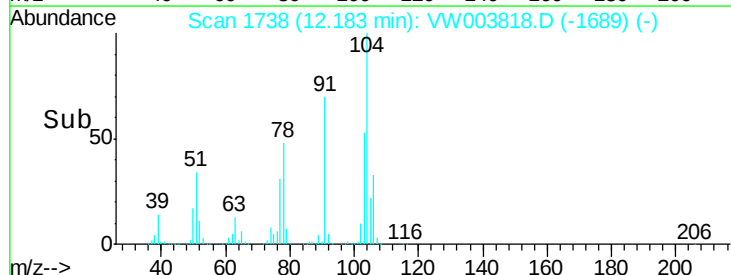
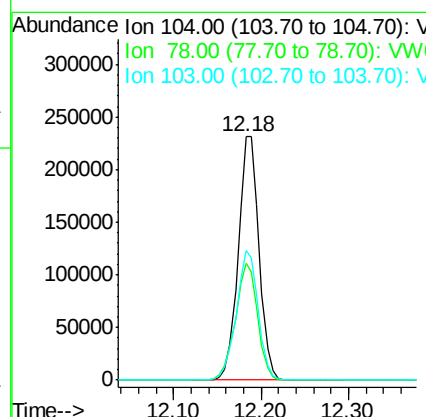
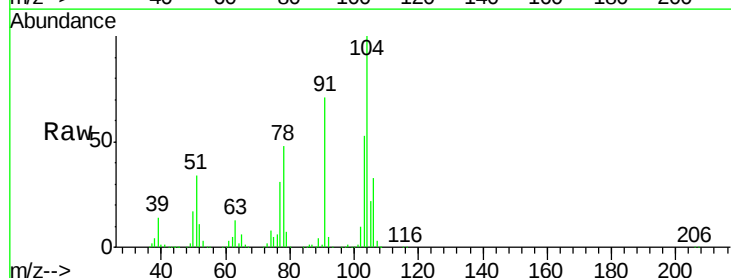
Manual Integrations
APPROVED

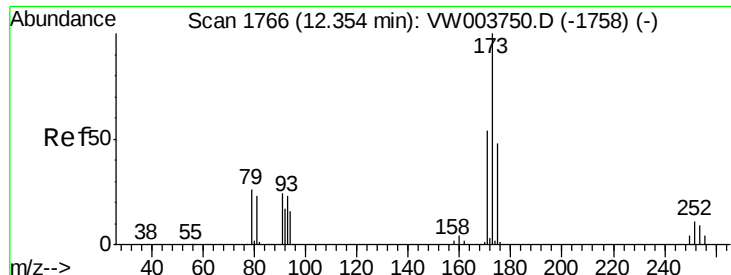
apatel
7/11/2018 12:17:57 PM



#70
Styrene
Concen: 54.59 ug/l
RT: 12.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		384928		
78	50.9	41.1	61.7		
103	55.5	44.6	67.0		





#71

Bromoform

Concen: 50.73 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW003818.D

Acq: 10 Jul 2018 11:50

Instrument :

MSVOA_W

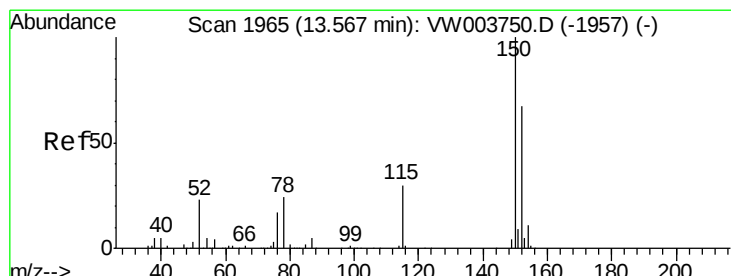
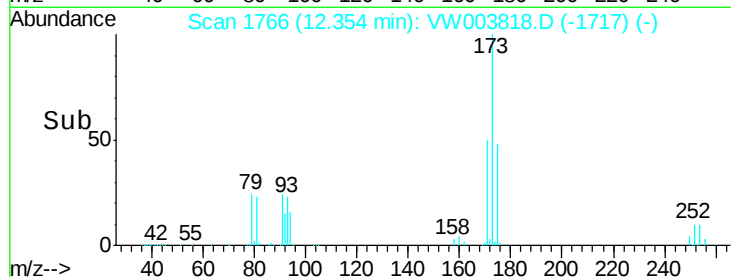
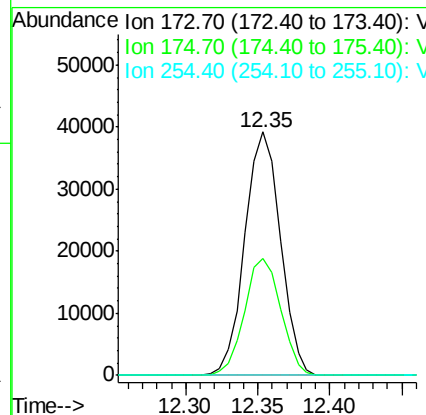
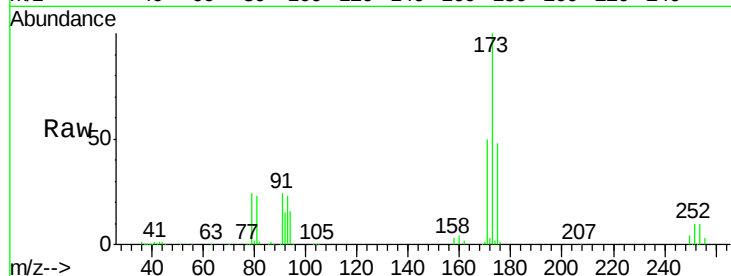
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.4
254	0.1	0.0	0.0#

Manual Integrations
APPROVED

apatel
7/11/2018 12:17:57 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

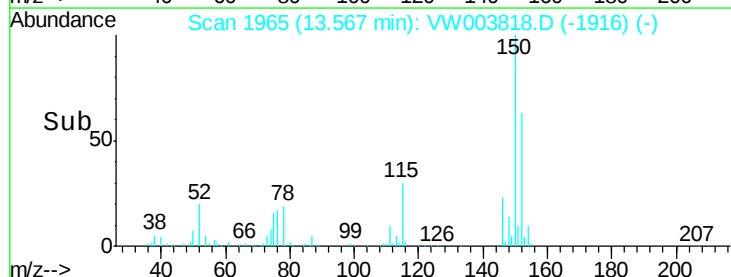
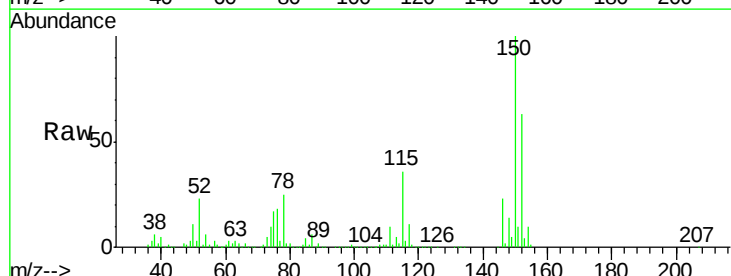
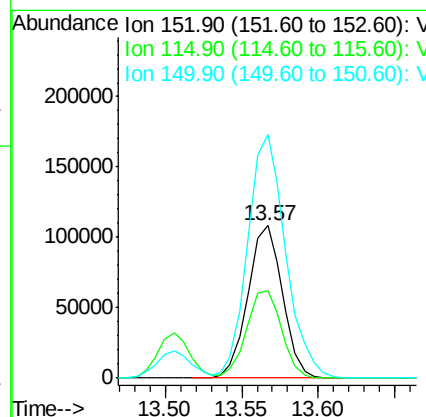
RT: 13.57 min Scan# 1965

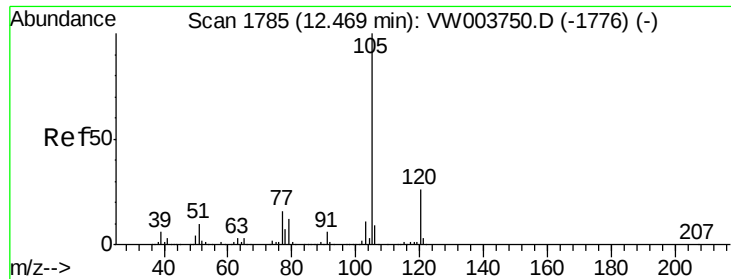
Delta R.T. -0.00 min

Lab File: VW003818.D

Acq: 10 Jul 2018 11:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.9	86.8
150	175.2	0.0	342.4





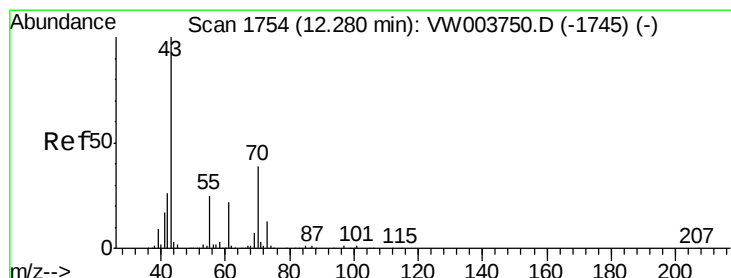
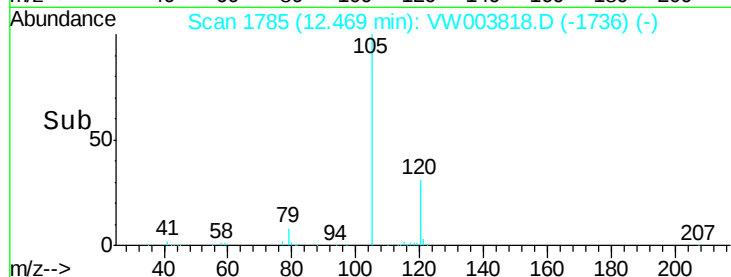
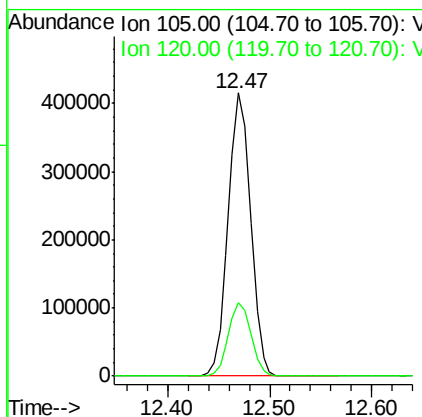
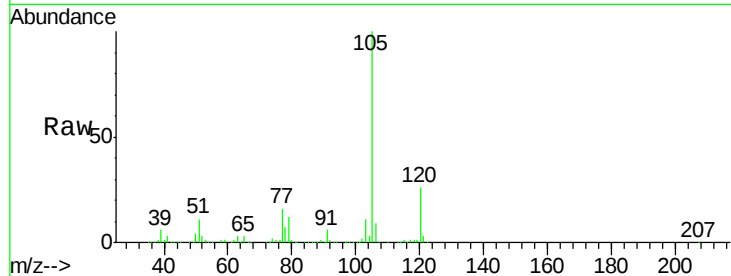
#73
Isopropylbenzene
Concen: 54.99 ug/l
RT: 12.47 min Scan# 1785
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.1	39.3

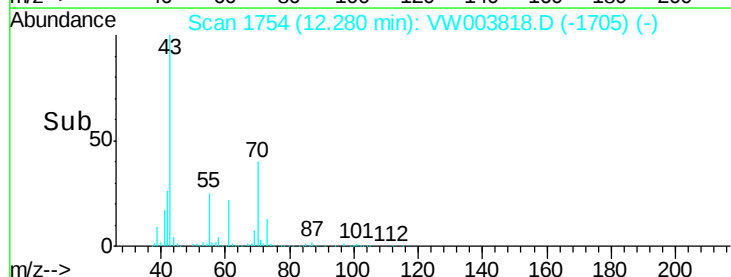
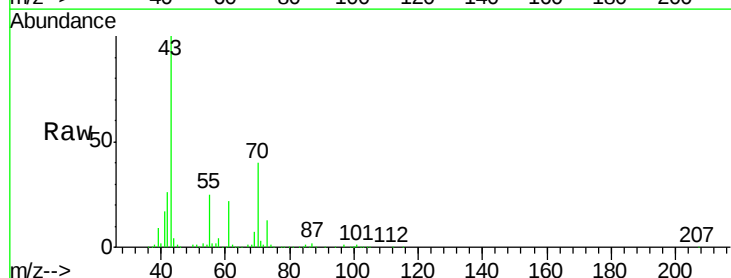
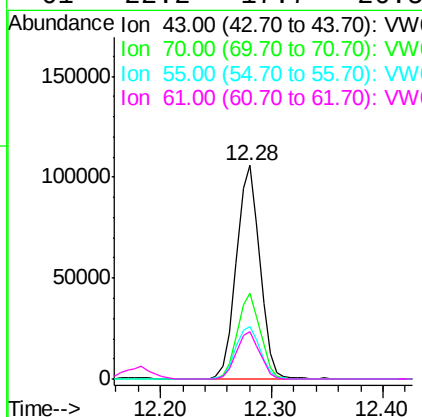
Manual Integrations
APPROVED

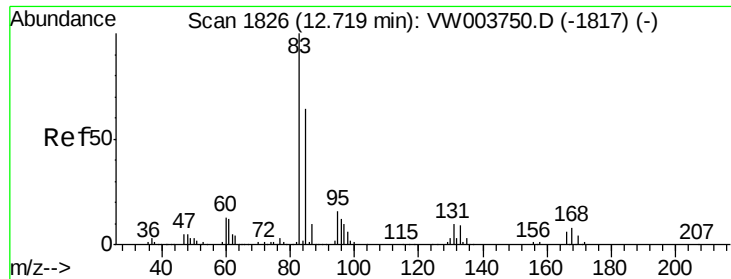
apatel
7/11/2018 12:17:57 PM



#74
N-ethyl acetate
Concen: 49.39 ug/l
RT: 12.28 min Scan# 1754
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.5	31.3	46.9
55	26.1	20.1	30.1
61	22.2	17.7	26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.56 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003818.D

Acq: 10 Jul 2018 11:50

Instrument :

MSVOA_W

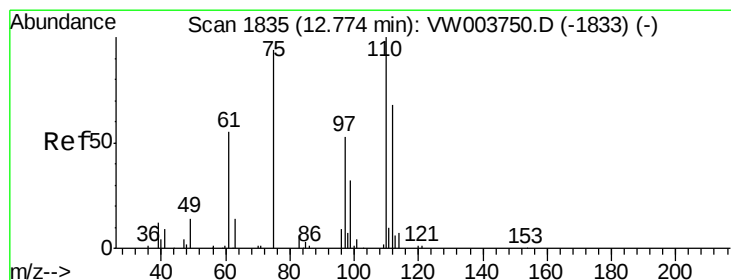
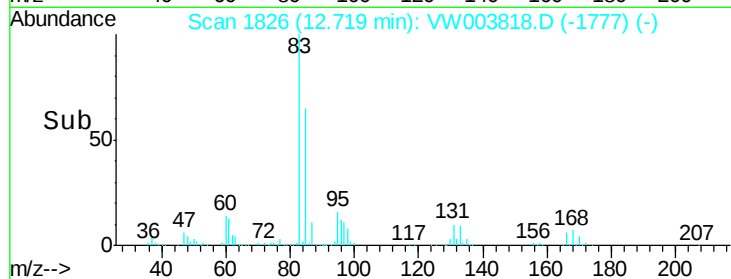
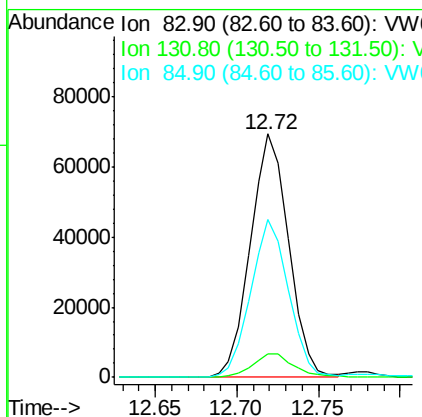
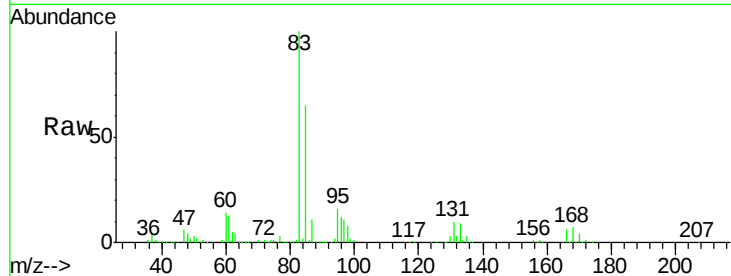
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	113347
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.1	15.4
85	64.1	32.1	96.3

Manual Integrations
APPROVED

apatel
7/11/2018 12:17:57 PM



#76

1,2,3-Trichloropropane

Concen: 45.56 ug/l m

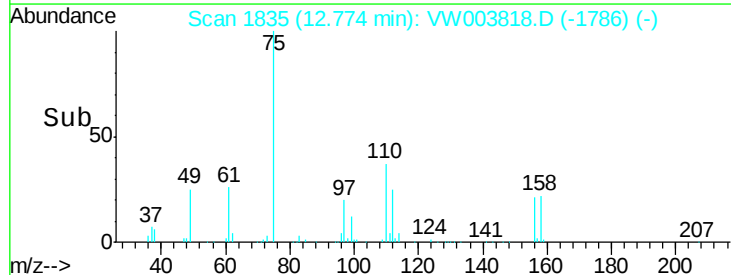
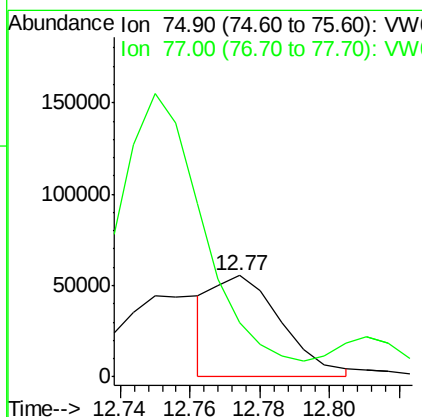
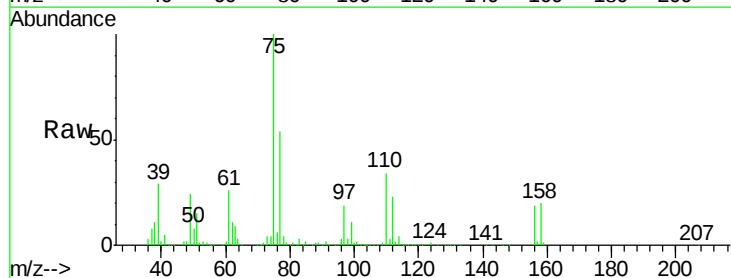
RT: 12.77 min Scan# 1835

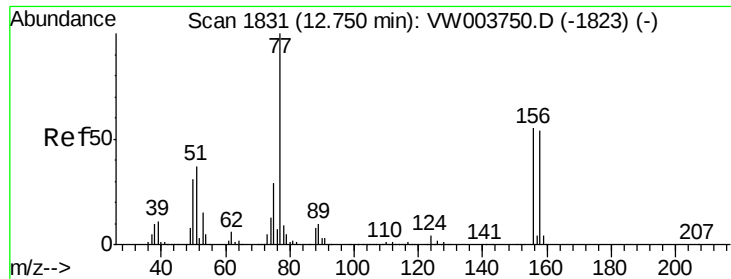
Delta R.T. -0.00 min

Lab File: VW003818.D

Acq: 10 Jul 2018 11:50

Tgt Ion:	75	Resp:	76076
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.19 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VW003818.D

Acq: 10 Jul 2018 11:50

Instrument :

MSVOA_W

ClientSampled :

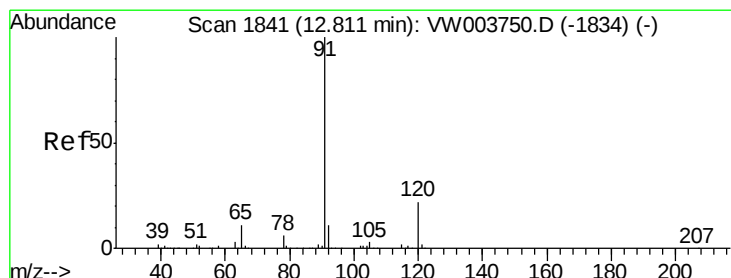
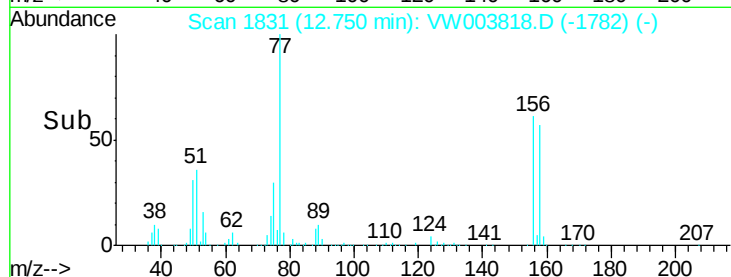
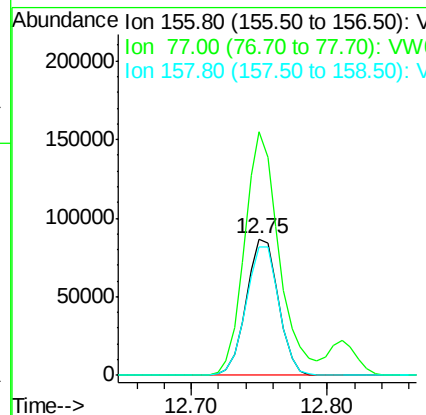
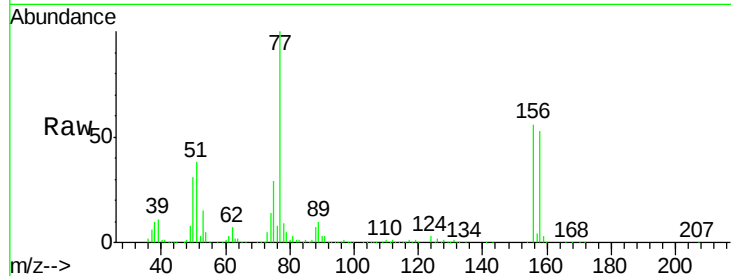
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		143470		
77	191.6	98.7	296.0		
158	96.6	49.0	147.0		

Manual Integrations
APPROVED

apatel

7/11/2018 12:17:57 PM



#78

n-propylbenzene

Concen: 55.13 ug/l

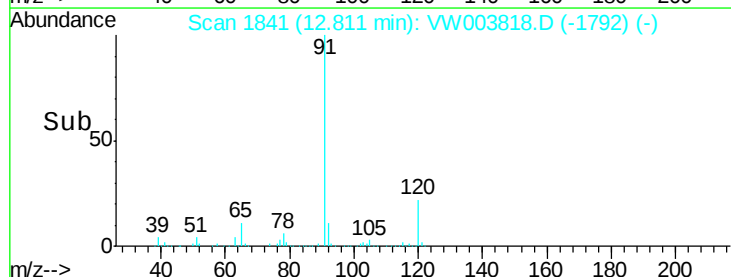
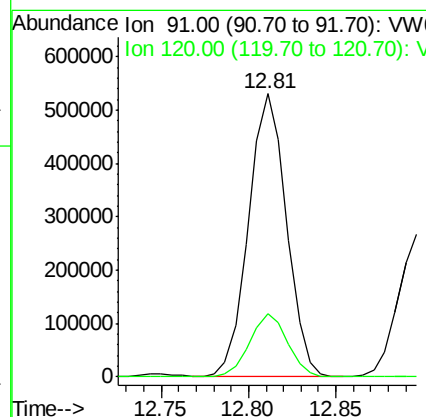
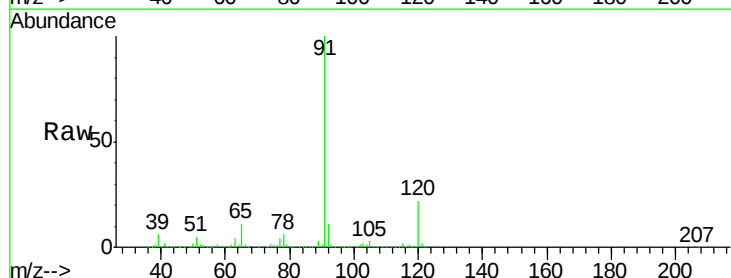
RT: 12.81 min Scan# 1841

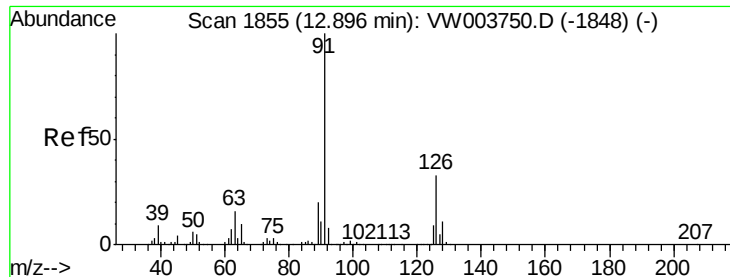
Delta R.T. -0.00 min

Lab File: VW003818.D

Acq: 10 Jul 2018 11:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		796831		
120	22.2	11.2	33.6		





#79

2-Chlorotoluene

Concen: 52.55 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW003818.D

Acq: 10 Jul 2018 11:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 436416

Ion Ratio Lower Upper

91 100

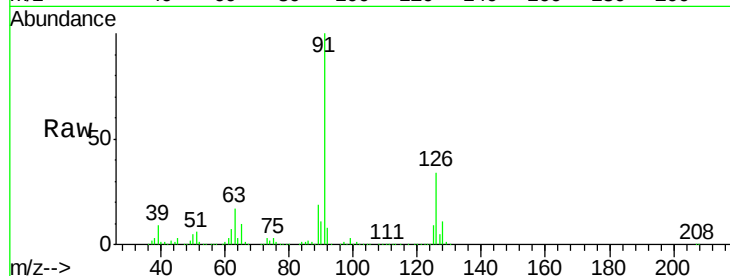
126 33.5 17.0 51.0

Manual Integrations

APPROVED

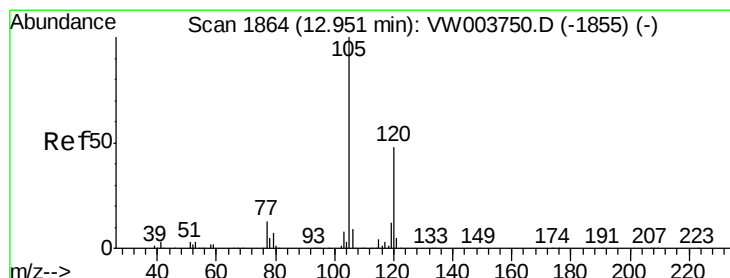
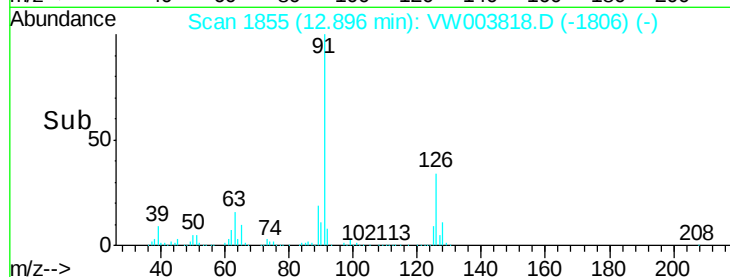
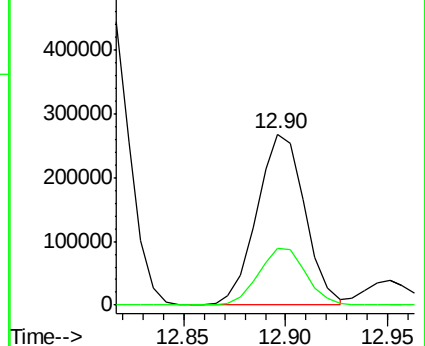
apatel

7/11/2018 12:17:57 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 54.82 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW003818.D

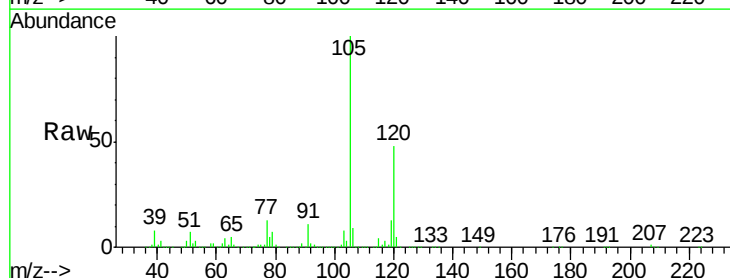
Acq: 10 Jul 2018 11:50

Tgt Ion:105 Resp: 544059

Ion Ratio Lower Upper

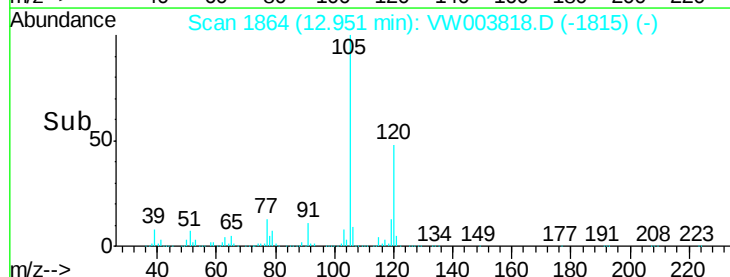
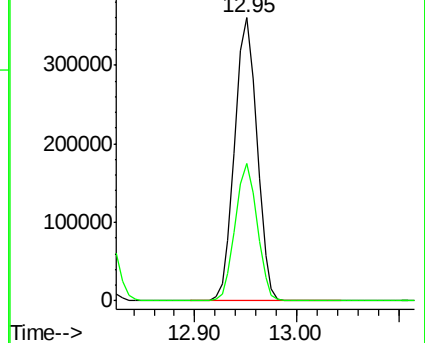
105 100

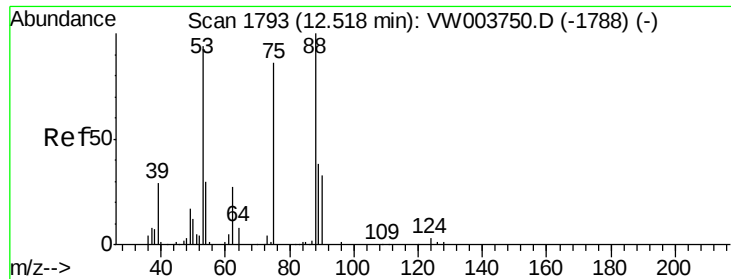
120 47.9 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 55.73 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW003818.D

Acq: 10 Jul 2018 11:50

Instrument :

MSVOA_W

ClientSampleId :

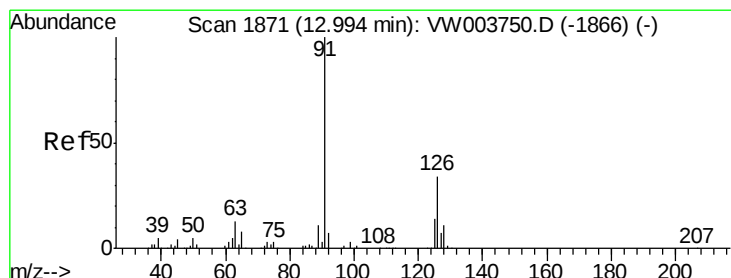
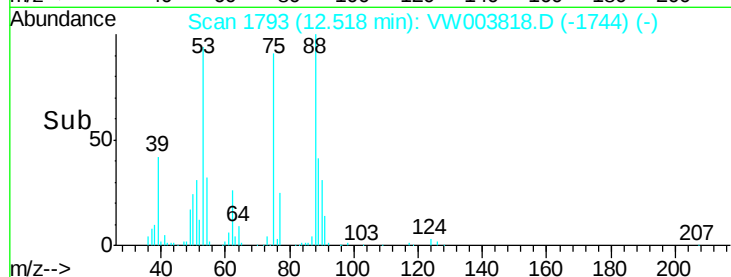
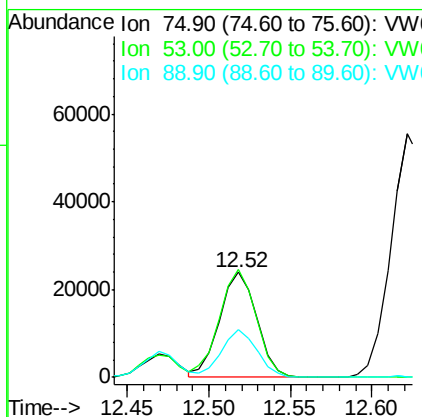
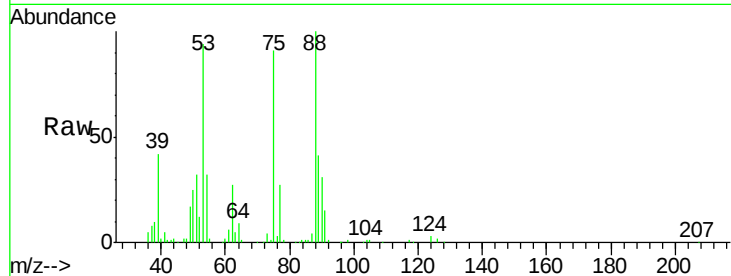
VSTDCCC050

Tot Ion:	75	Resp:	38037
Ion Ratio	Lower	Upper	
75	100		
53	102.0	85.0	127.6
89	43.0	36.3	54.5

Manual Integrations
APPROVED

apatel

7/11/2018 12:17:57 PM



#82

4-Chlorotoluene

Concen: 52.35 ug/l

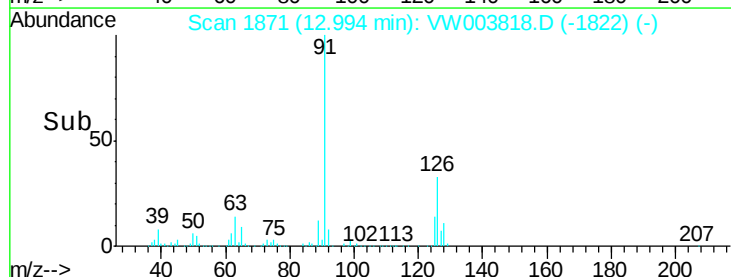
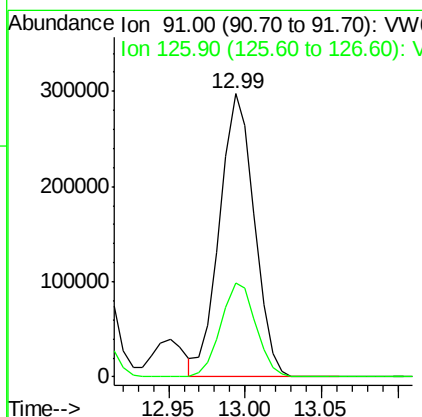
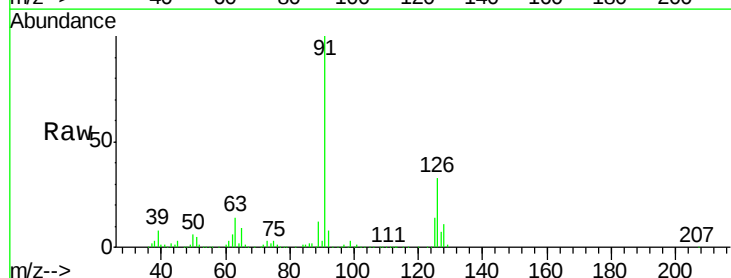
RT: 12.99 min Scan# 1871

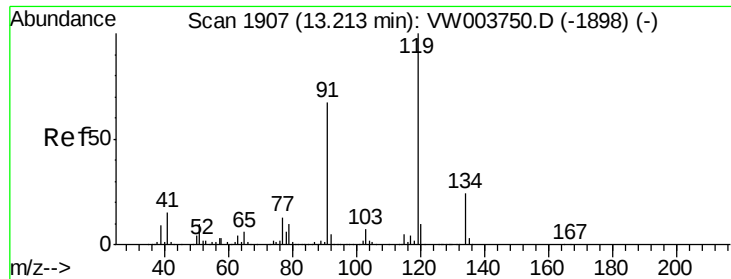
Delta R.T. -0.00 min

Lab File: VW003818.D

Acq: 10 Jul 2018 11:50

Tgt Ion:	91	Resp:	467473
Ion Ratio	Lower	Upper	
91	100		
126	33.5	16.5	49.5





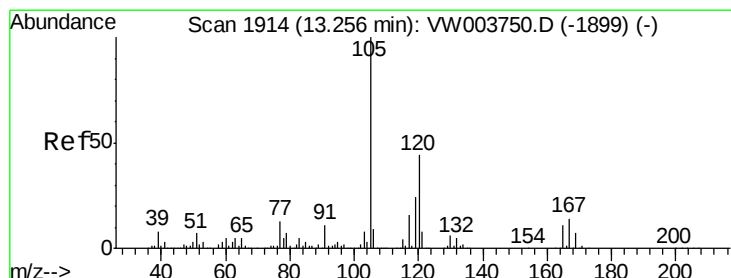
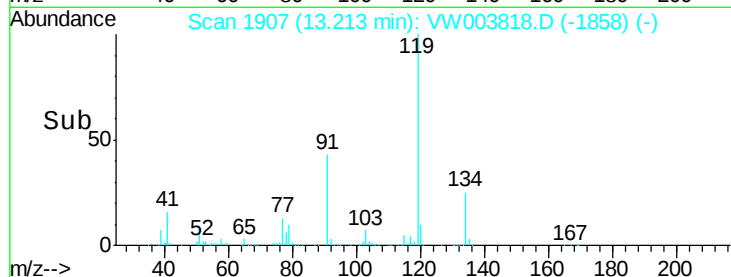
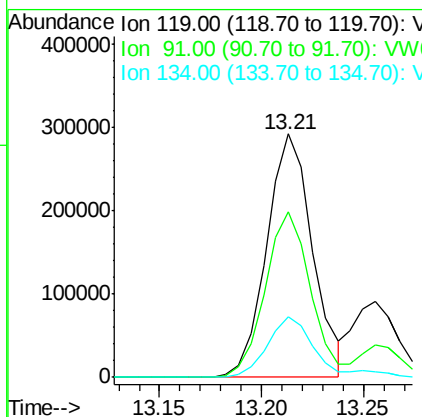
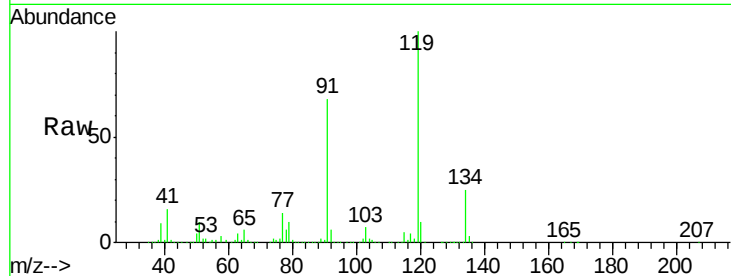
#83
 tert-Butylbenzene
 Concen: 55.87 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VW003818.D
 Acq: 10 Jul 2018 11:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.6	33.0	98.9
134	24.4	12.8	38.4

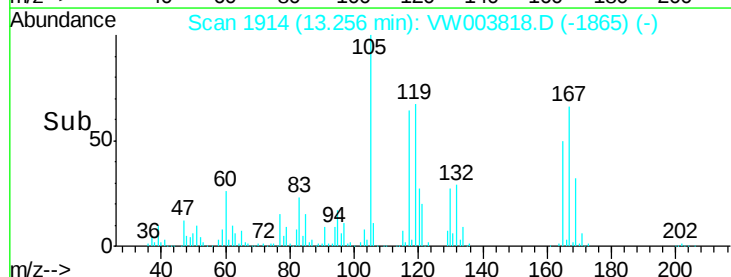
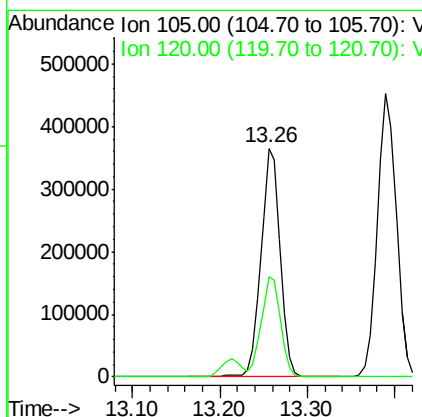
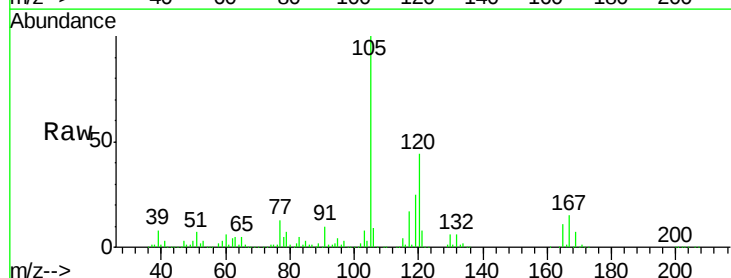
Manual Integrations
 APPROVED

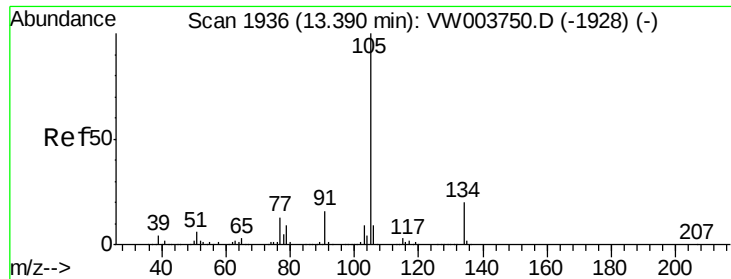
apatel
 7/11/2018 12:17:57 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.04 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW003818.D
 Acq: 10 Jul 2018 11:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.0	66.0





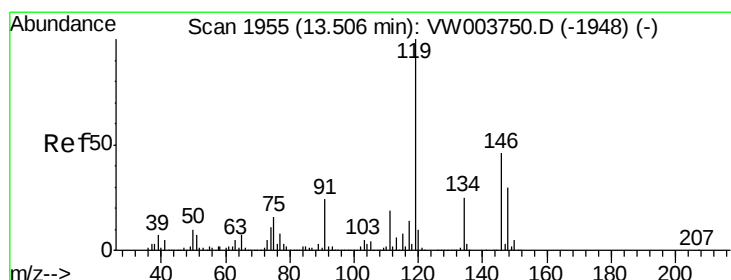
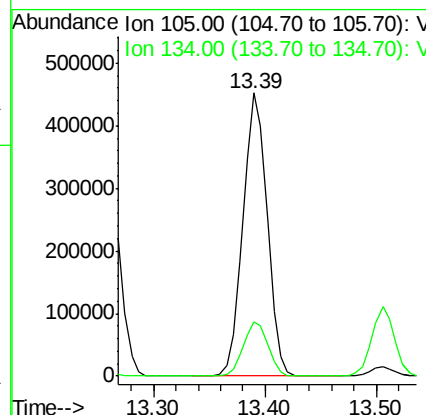
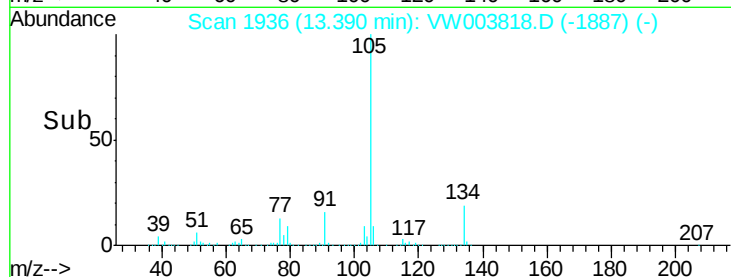
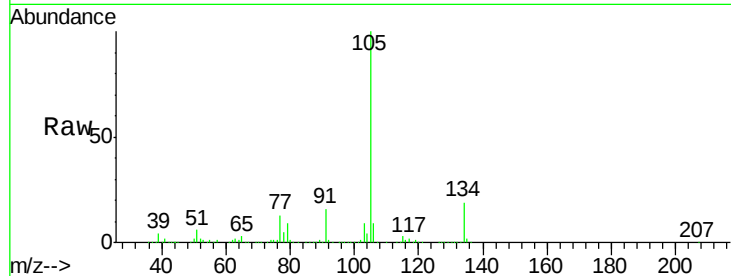
#85
 sec-Butylbenzene
 Concen: 55.57 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW003818.D
 Acq: 10 Jul 2018 11:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

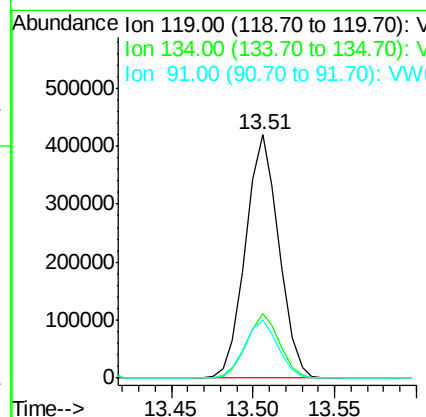
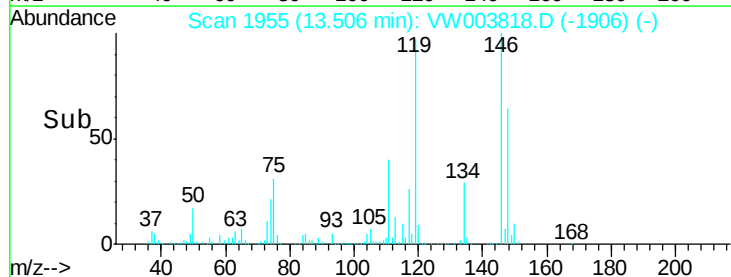
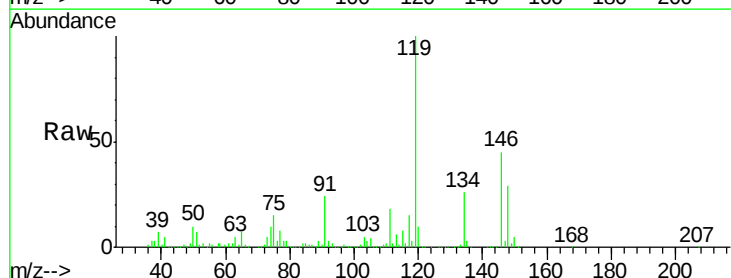
Manual Integrations
 APPROVED

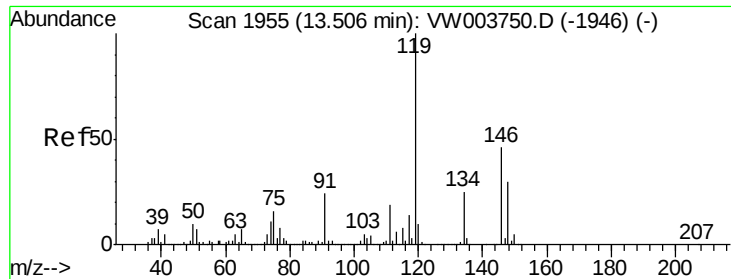
apatel
 7/11/2018 12:17:57 PM



#86
 p-Isopropyltoluene
 Concen: 55.97 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003818.D
 Acq: 10 Jul 2018 11:50

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.1
91	23.8	11.9	35.9





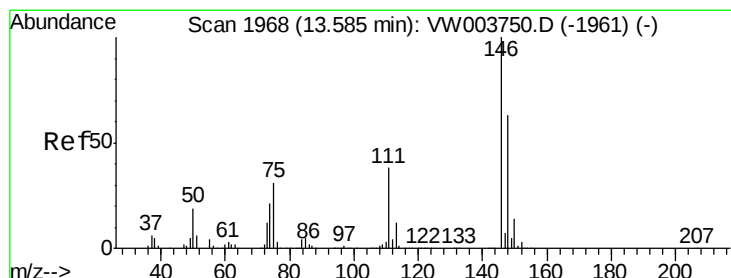
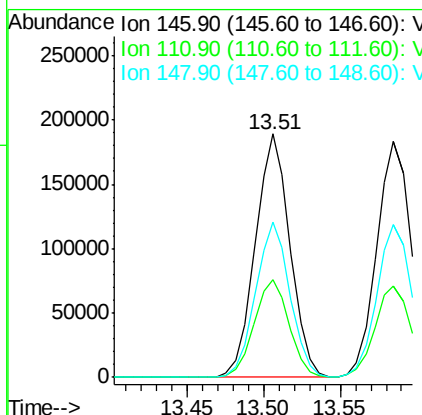
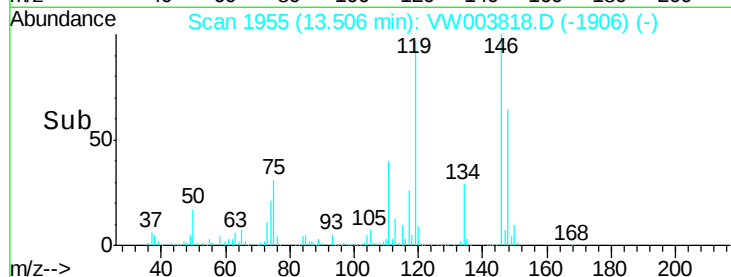
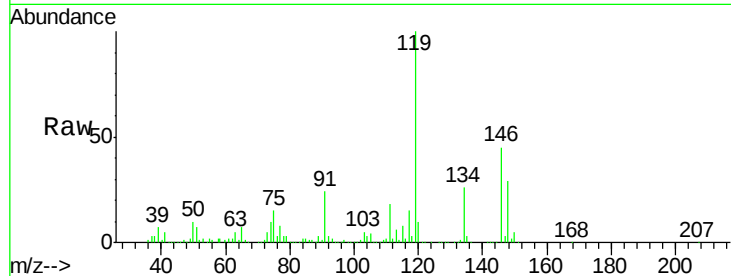
#87
 1,3-Dichlorobenzene
 Concen: 51.24 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003818.D
 Acq: 10 Jul 2018 11:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	296761		
111	40.4	20.2	60.5	
148	63.5	31.9	95.7	

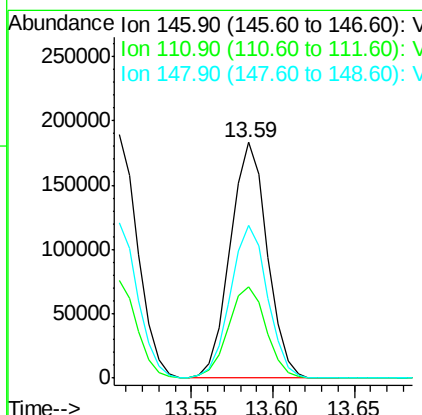
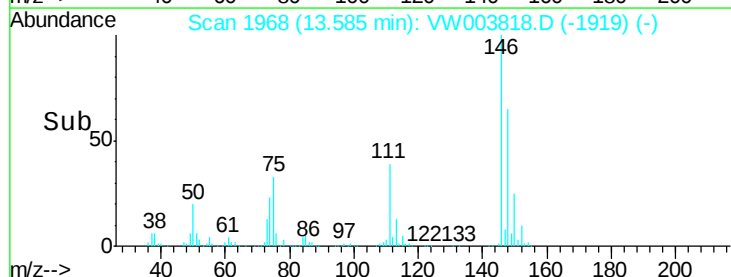
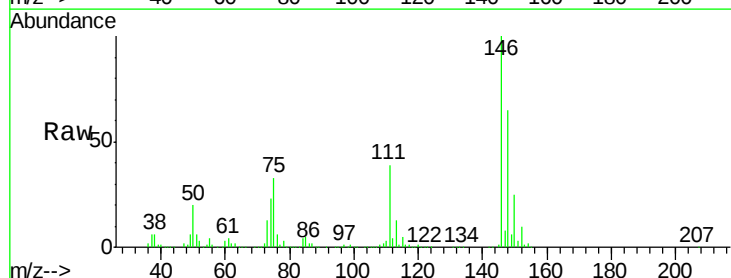
Manual Integrations
 APPROVED

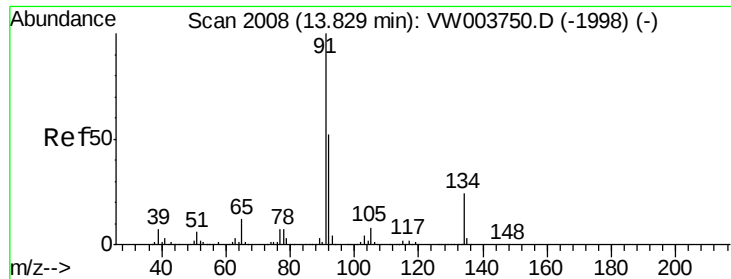
apatel
 7/11/2018 12:17:57 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.74 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW003818.D
 Acq: 10 Jul 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	289670		
111	39.7	19.4	58.4	
148	64.9	31.9	95.7	





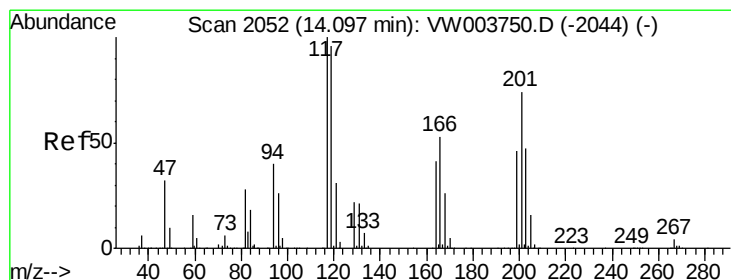
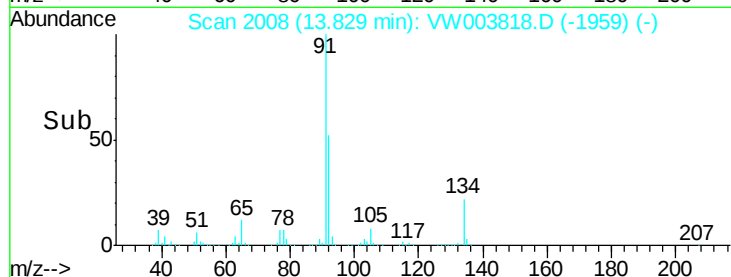
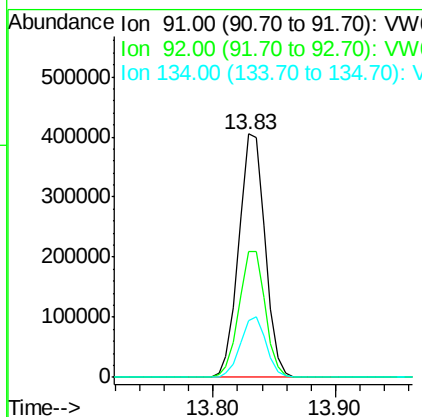
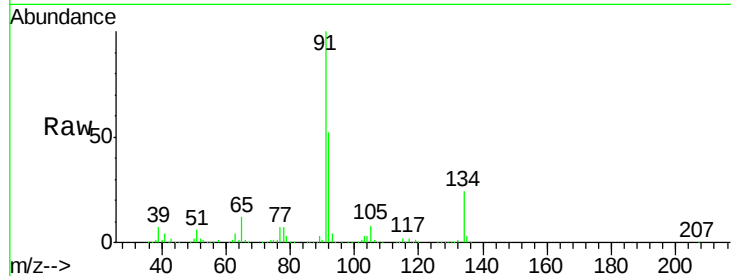
#89
n-Butylbenzene
Concen: 56.86 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.1	78.3
134	24.4	12.4	37.4

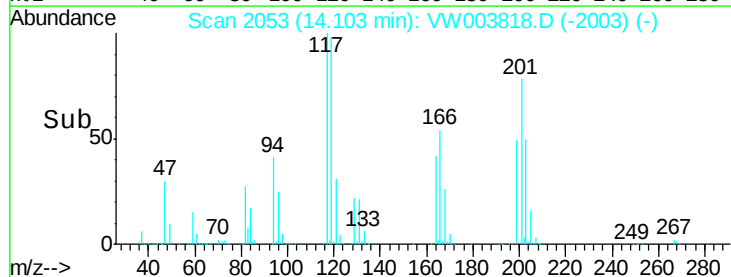
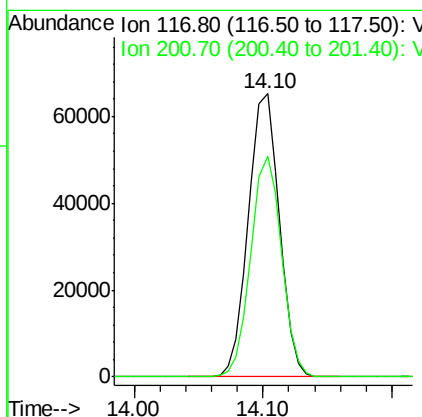
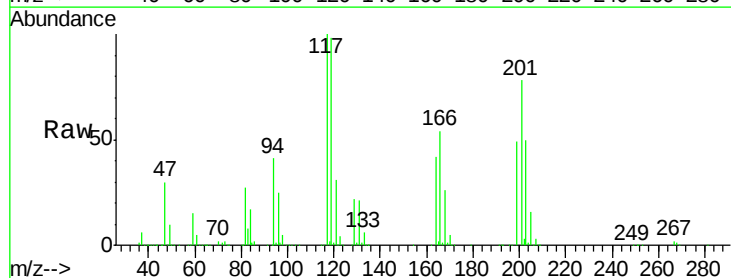
Manual Integrations
APPROVED

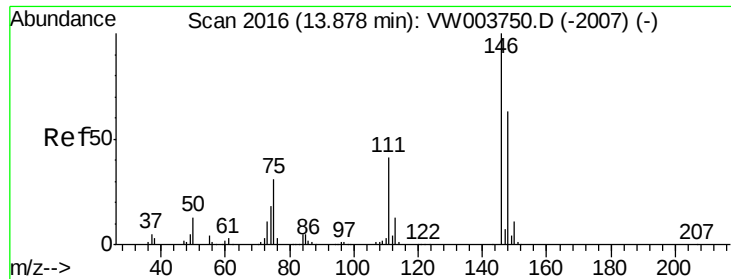
apatel
7/11/2018 12:17:57 PM



#90
Hexachloroethane
Concen: 52.56 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.01 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.1	39.2	117.6





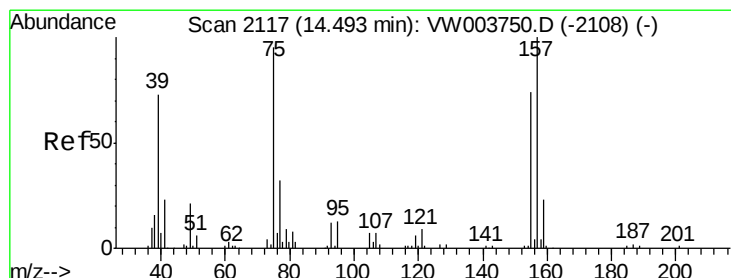
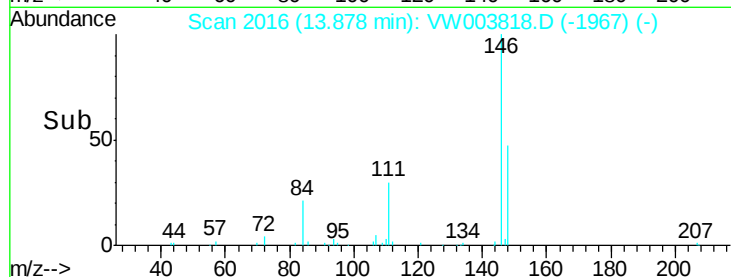
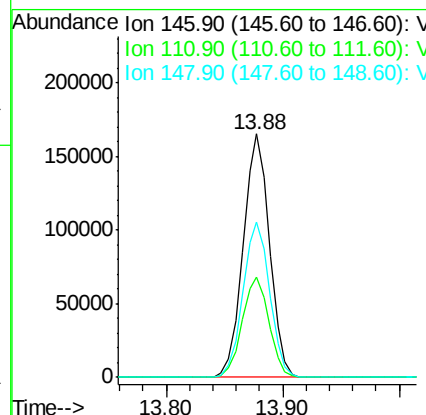
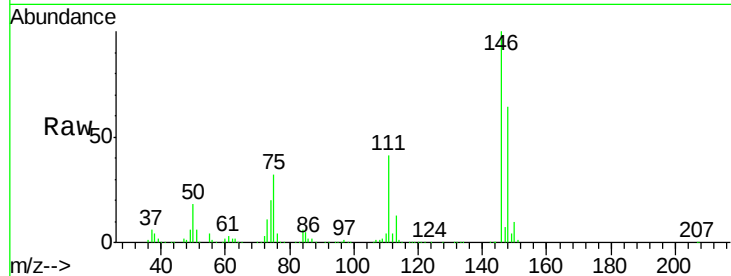
#91
 1,2-Dichlorobenzene
 Concen: 49.87 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW003818.D
 Acq: 10 Jul 2018 11:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	259978		
111	41.7		20.7	62.1
148	64.7		31.9	95.9

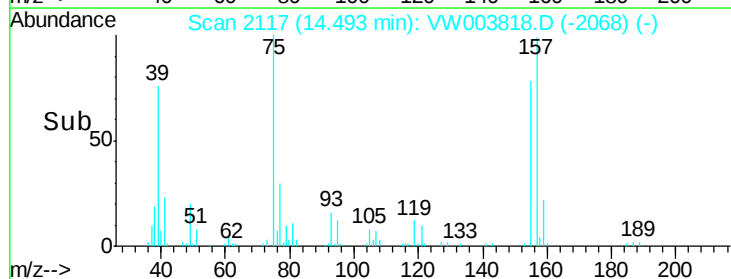
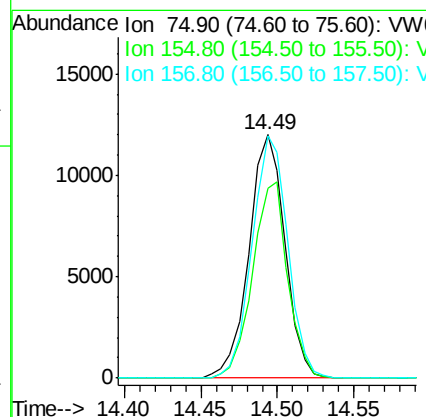
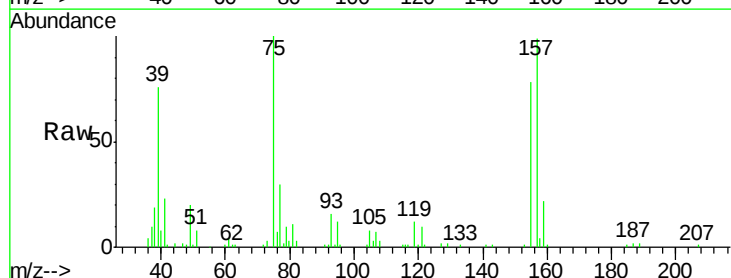
Manual Integrations
 APPROVED

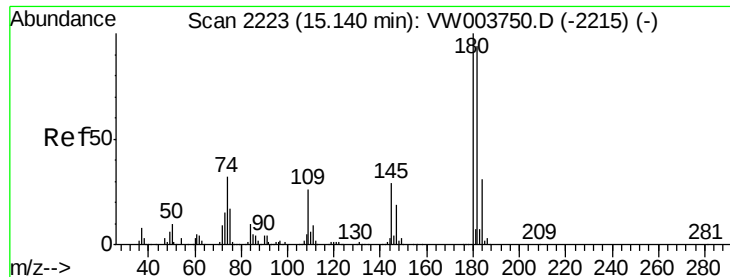
apatel
 7/11/2018 12:17:57 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.44 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW003818.D
 Acq: 10 Jul 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19574		
155	78.6		39.2	117.6
157	98.8		50.7	152.1





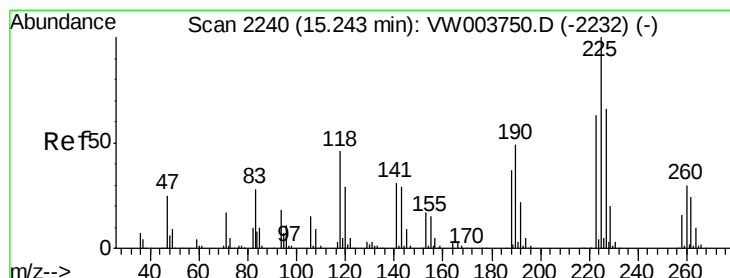
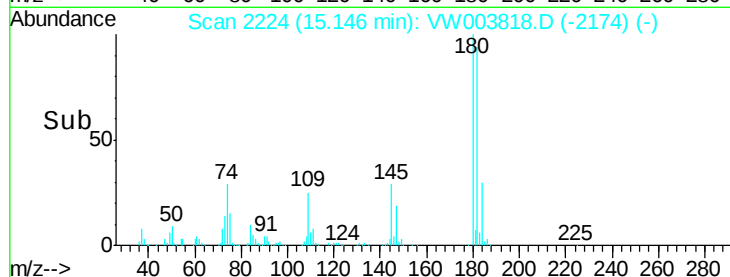
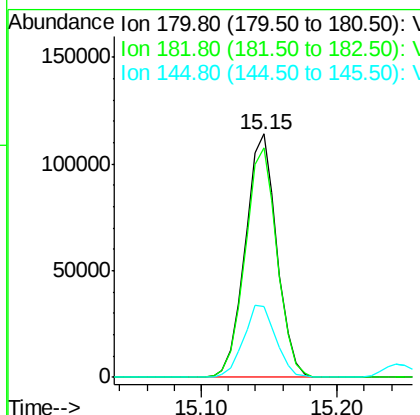
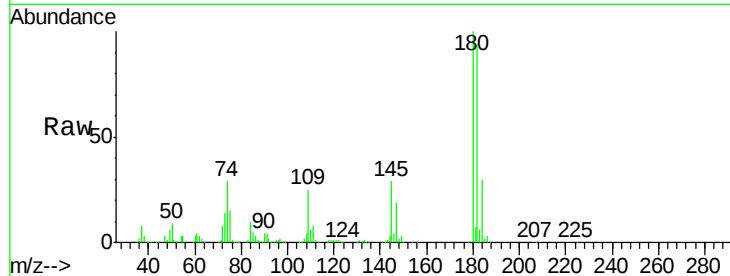
#93
 1,2,4-Trichlorobenzene
 Concen: 52.34 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.01 min
 Lab File: VW003818.D
 Acq: 10 Jul 2018 11:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	184673		
182	95.5	47.4	142.2	
145	30.4	15.0	45.0	

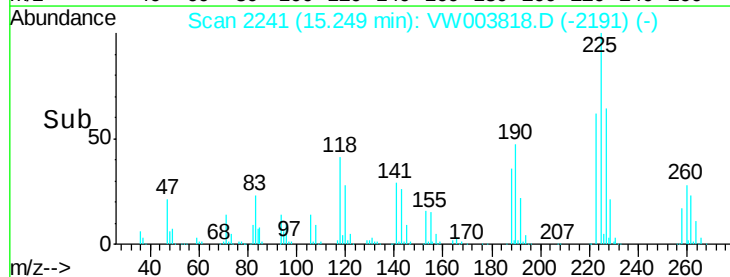
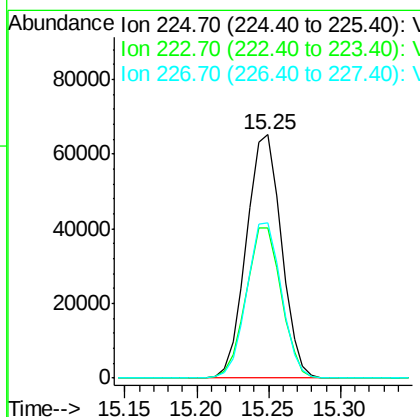
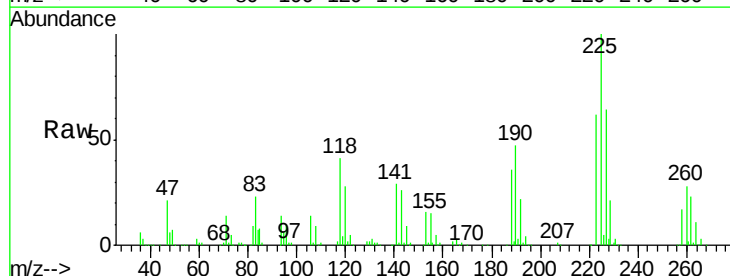
Manual Integrations
 APPROVED

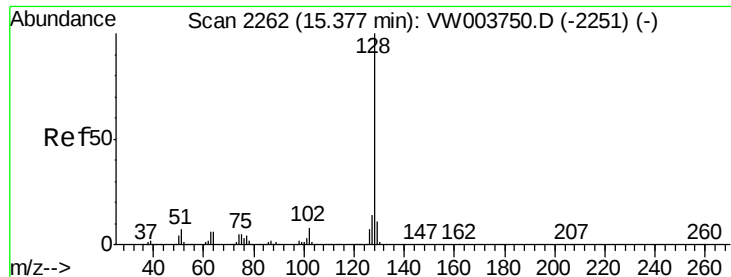
apatel
 7/11/2018 12:17:57 PM



#94
 Hexachlorobutadiene
 Concen: 54.47 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.01 min
 Lab File: VW003818.D
 Acq: 10 Jul 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	109946		
223	62.1	32.6	97.7	
227	62.9	32.5	97.5	





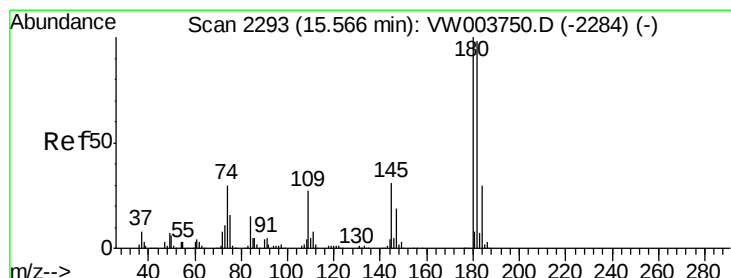
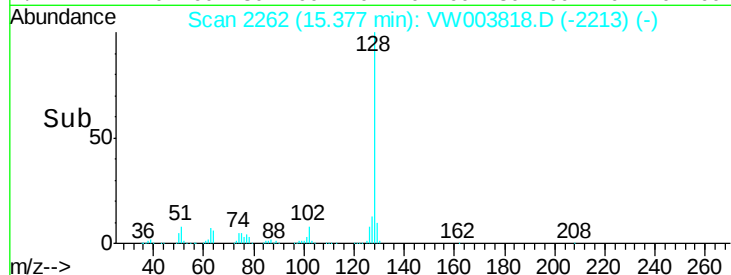
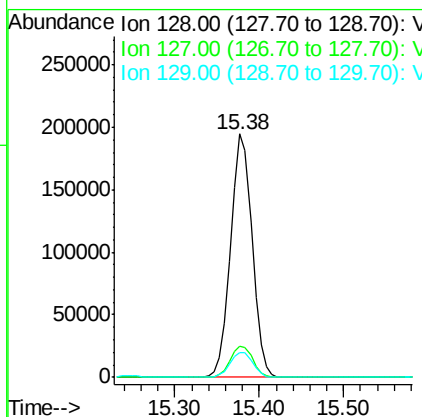
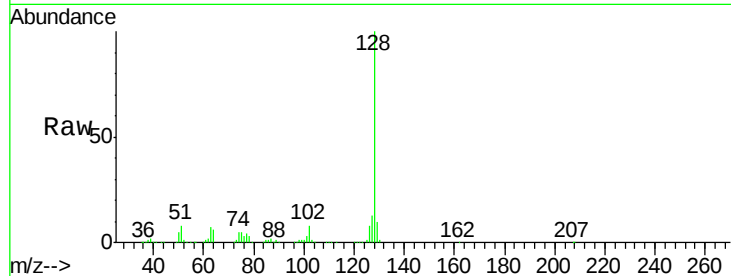
#95
Naphthalene
Concen: 52.93 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.8	16.2
129	10.8	8.6	13.0

Manual Integrations
APPROVED

apatel
7/11/2018 12:17:57 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.78 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW003818.D
Acq: 10 Jul 2018 11:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.3
145	31.5	15.8	47.4

