

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101318\
 Data File : VW006044.D
 Acq On : 12 Oct 2018 12:49
 Operator : VA/AP
 Sample : VW1013SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBS01

Manual Integrations
 APPROVED

apatel
 10/15/2018 10:03:25 AM

Quant Time: Oct 13 01:38:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 02:14:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	244747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	348009	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	320855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	180186	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	113905	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
35) Dibromofluoromethane	7.89	113	115549	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
50) Toluene-d8	10.33	98	449350	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
62) 4-Bromofluorobenzene	12.62	95	165941	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	26258	21.89	ug/l	99
3) Chloromethane	2.22	50	28703	20.35	ug/l	97
4) Vinyl Chloride	2.37	62	45165	20.17	ug/l	91
5) Bromomethane	2.79	94	41892	23.70	ug/l	98
6) Chloroethane	2.93	64	31754	22.25	ug/l	99
7) Trichlorofluoromethane	3.26	101	42278	23.78	ug/l	94
8) Diethyl Ether	3.68	74	21729	19.86	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	45368	20.22	ug/l	99
10) Methyl Iodide	4.27	142	72634	19.80	ug/l	99
11) Tert butyl alcohol	5.21	59	15649m	89.87	ug/l	
12) 1,1-Dichloroethene	4.04	96	41444	19.24	ug/l	94
13) Acrolein	3.90	56	14280	92.03	ug/l	96
14) Allyl chloride	4.67	41	58391	15.89	ug/l	94
15) Acrylonitrile	5.38	53	42490	89.23	ug/l	98
16) Acetone	4.14	43	50303	106.00	ug/l	97
17) Carbon Disulfide	4.38	76	107490	16.50	ug/l	99
18) Methyl Acetate	4.68	43	19008	15.87	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	65720	19.61	ug/l	99
20) Methylene Chloride	4.92	84	54147	22.77	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	45175	19.24	ug/l	97
22) Diisopropyl ether	6.32	45	123035	17.91	ug/l	98
23) Vinyl Acetate	6.26	43	357867	84.65	ug/l	97
24) 1,1-Dichloroethane	6.21	63	76742	18.26	ug/l	100
25) 2-Butanone	7.18	43	63042	93.39	ug/l	99
26) 2,2-Dichloropropane	7.17	77	57519	19.44	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	51271	19.31	ug/l	98
28) Bromochloromethane	7.52	49	28559	18.41	ug/l	90
29) Tetrahydrofuran	7.54	42	35203	82.50	ug/l	95
30) Chloroform	7.68	83	82657	19.15	ug/l	99
31) Cyclohexane	7.96	56	72608	17.46	ug/l	93
32) 1,1,1-Trichloroethane	7.88	97	73950	19.23	ug/l	99
36) 1,1-Dichloropropene	8.09	75	64542	19.36	ug/l	99
37) Ethyl Acetate	7.26	43	25096	17.77	ug/l	98
38) Carbon Tetrachloride	8.07	117	70356	19.64	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101318\
 Data File : VW006044.D
 Acq On : 12 Oct 2018 12:49
 Operator : VA/AP
 Sample : VW1013SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VW1013SBS01

Manual Integrations
 APPROVED

apatel
 10/15/2018 10:03:25 AM

Quant Time: Oct 13 01:38:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 02:14:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	84884	19.30	ug/l	95
40) Benzene	8.33	78	179656	19.68	ug/l	99
41) Methacrylonitrile	7.49	41	15541	17.58	ug/l	97
42) 1,2-Dichloroethane	8.40	62	52836	19.16	ug/l	99
43) Isopropyl Acetate	8.43	43	49431	16.76	ug/l	96
44) Trichloroethene	9.09	130	53806	20.32	ug/l	98
45) 1,2-Dichloropropane	9.37	63	43917	19.22	ug/l	100
46) Dibromomethane	9.46	93	24206	19.28	ug/l	97
47) Bromodichloromethane	9.65	83	58444	18.50	ug/l	96
48) Methyl methacrylate	9.45	41	23272	16.56	ug/l	93
49) 1,4-Dioxane	9.47	88	7580	397.45	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	126659	88.18	ug/l	98
52) Toluene	10.39	92	121189	20.21	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	58480	17.71	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	66494	17.91	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	34507	19.84	ug/l	99
56) Ethyl methacrylate	10.65	69	42472	18.12	ug/l	93
57) 1,3-Dichloropropane	10.94	76	57816	19.76	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	92630	97.12	ug/l	98
59) 2-Hexanone	10.98	43	96193	93.40	ug/l	97
60) Dibromochloromethane	11.13	129	41759	18.61	ug/l	100
61) 1,2-Dibromoethane	11.24	107	34423	19.81	ug/l	100
64) Tetrachloroethene	10.87	164	48342	20.23	ug/l	98
65) Chlorobenzene	11.66	112	139817	20.34	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	49395	19.61	ug/l	99
67) Ethyl Benzene	11.74	91	242197	19.95	ug/l	100
68) m/p-Xylenes	11.85	106	189912	40.03	ug/l	99
69) o-Xylene	12.17	106	91812	20.22	ug/l	98
70) Styrene	12.19	104	148411	19.69	ug/l	99
71) Bromoform	12.35	173	26113	17.40	ug/l #	97
73) Isopropylbenzene	12.47	105	257754	19.59	ug/l	100
74) N-amyl acetate	12.28	43	50264	16.08	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	39969	18.53	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	26858m	16.69	ug/l	
77) Bromobenzene	12.75	156	63114	20.24	ug/l	94
78) n-propylbenzene	12.81	91	302530	19.54	ug/l	99
79) 2-Chlorotoluene	12.90	91	169209	19.36	ug/l	97
80) 1,3,5-Trimethylbenzene	12.95	105	219813	19.79	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	11049	14.49	ug/l	94
82) 4-Chlorotoluene	12.99	91	180194	19.60	ug/l	98
83) tert-Butylbenzene	13.21	119	195355	19.77	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	221884	19.80	ug/l	99
85) sec-Butylbenzene	13.39	105	285607	20.59	ug/l	100
86) p-Isopropyltoluene	13.51	119	253468	20.32	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	126670	20.45	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	125704	20.42	ug/l	99
89) n-Butylbenzene	13.83	91	237514	20.20	ug/l	99
90) Hexachloroethane	14.10	117	41221	17.57	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	114527	20.83	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6917	17.21	ug/l	100

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW101318\
Data File : VW006044.D
Acq On : 12 Oct 2018 12:49
Operator : VA/AP
Sample : VW1013SBSD01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1013SBSD01

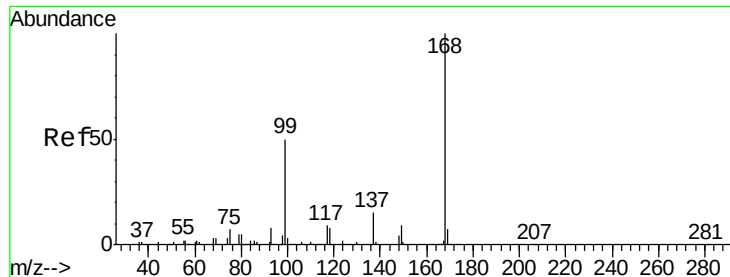
Manual Integrations
APPROVED

apatel
10/15/2018 10:03:25 AM

Quant Time: Oct 13 01:38:37 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 09 02:14:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	86897	20.38	ug/l	100
94) Hexachlorobutadiene	15.24	225	55218	20.75	ug/l	99
95) Naphthalene	15.38	128	142269	19.36	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	75012	20.32	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBSD01

Tgt Ion: 168 Resp: 244747

Ion Ratio Lower Upper

168 100

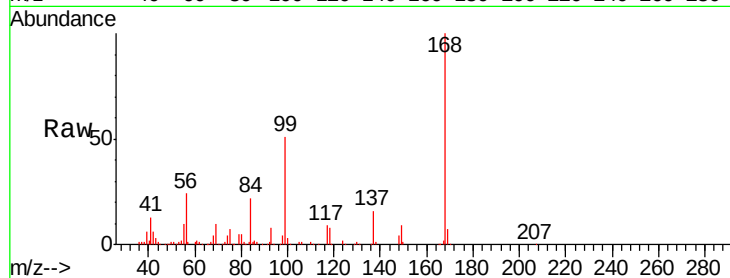
99 51.0 40.9 61.3

Manual Integrations

APPROVED

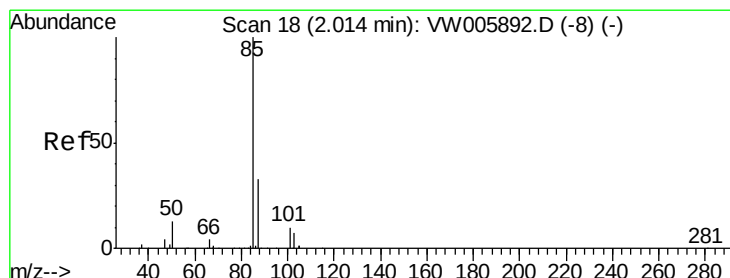
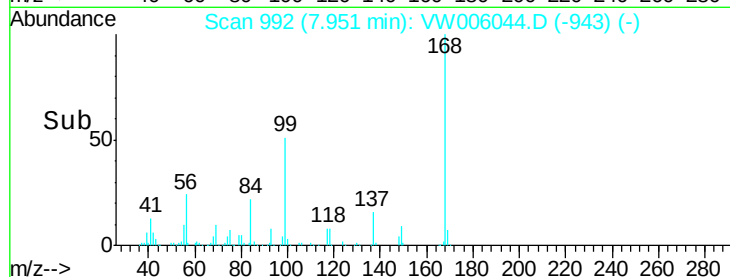
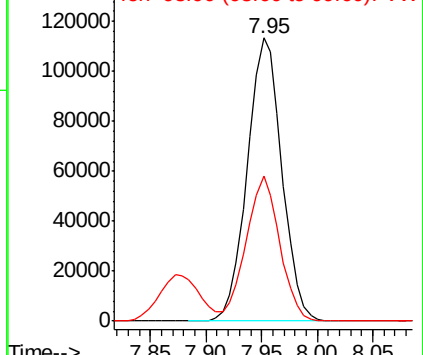
apatel

10/15/2018 10:03:25 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 21.89 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006044.D

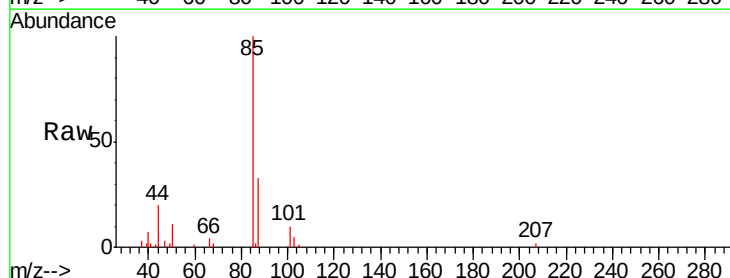
Acq: 12 Oct 2018 12:49

Tgt Ion: 85 Resp: 26258

Ion Ratio Lower Upper

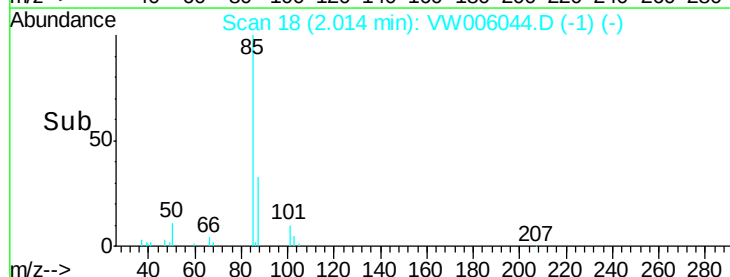
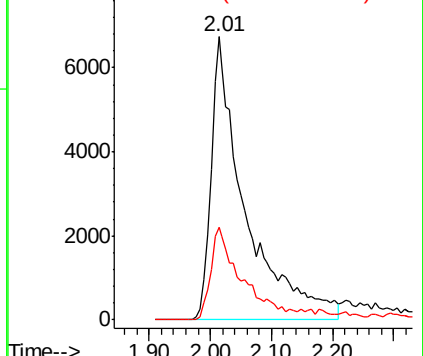
85 100

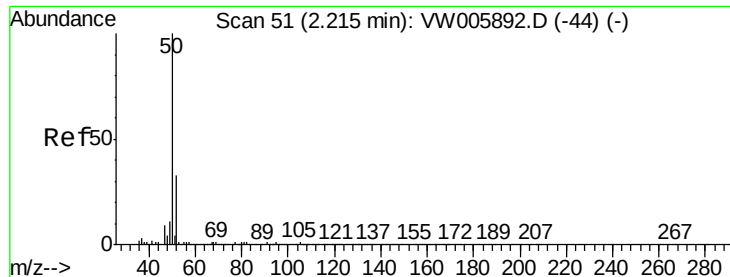
87 32.8 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.35 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBS01

Tgt Ion: 50 Resp: 28703

Ion Ratio Lower Upper

50 100

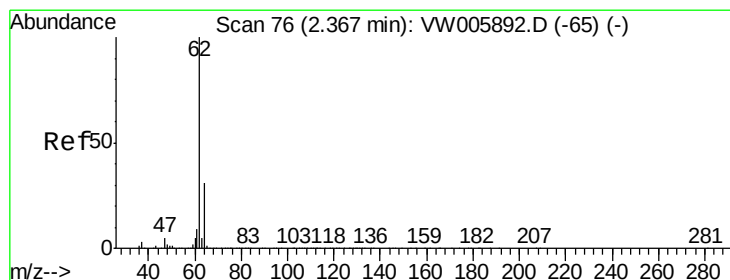
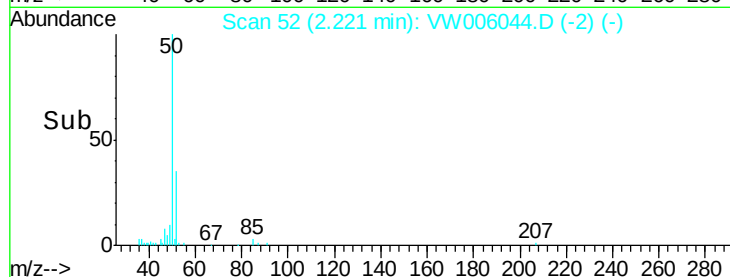
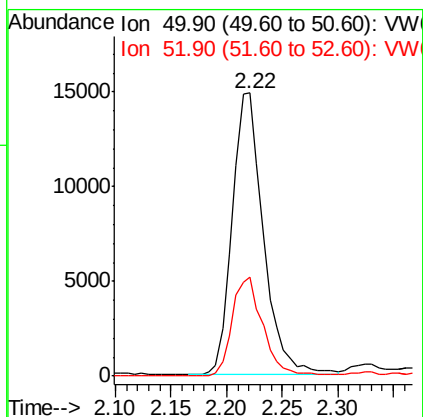
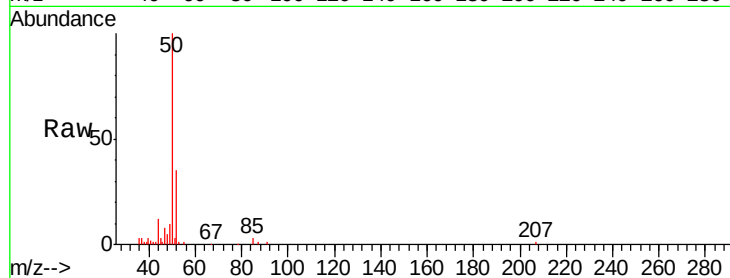
52 35.3 26.7 40.1

Manual Integrations

APPROVED

apatel

10/15/2018 10:03:25 AM



#4

Vinyl Chloride

Concen: 20.17 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW006044.D

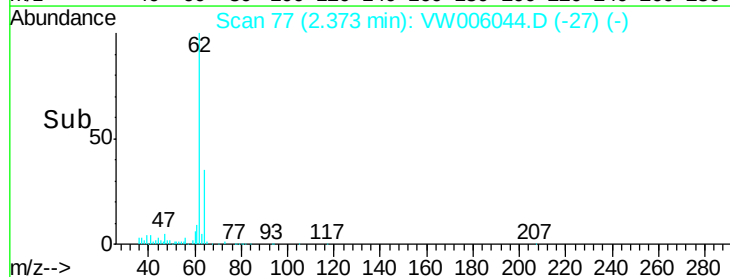
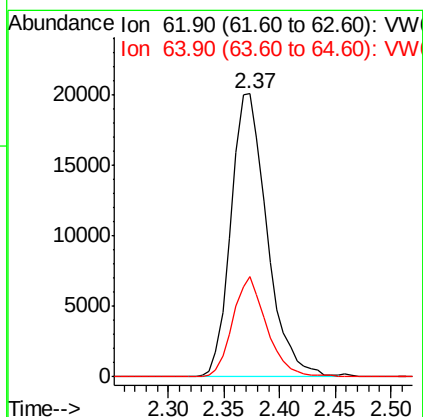
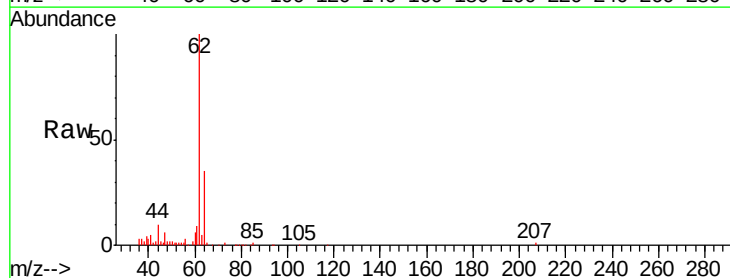
Acq: 12 Oct 2018 12:49

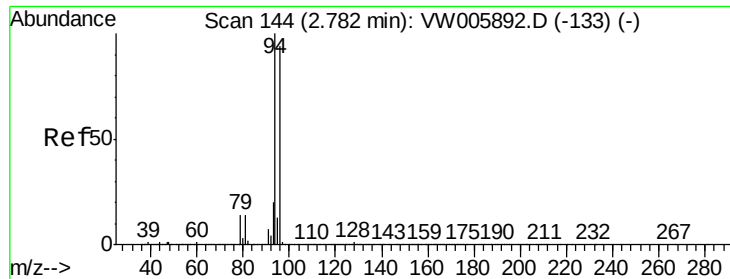
Tgt Ion: 62 Resp: 45165

Ion Ratio Lower Upper

62 100

64 35.5 24.6 36.8





#5

Bromomethane

Concen: 23.70 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBS01

Tgt Ion: 94 Resp: 41892

Ion Ratio Lower Upper

94 100

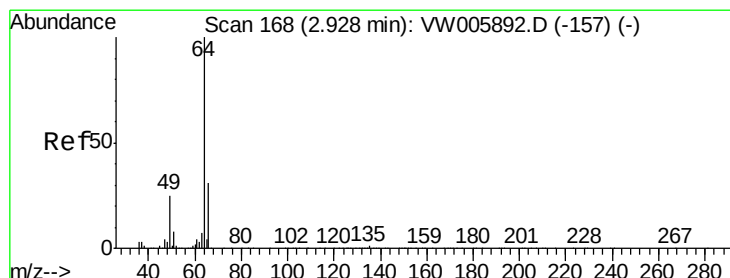
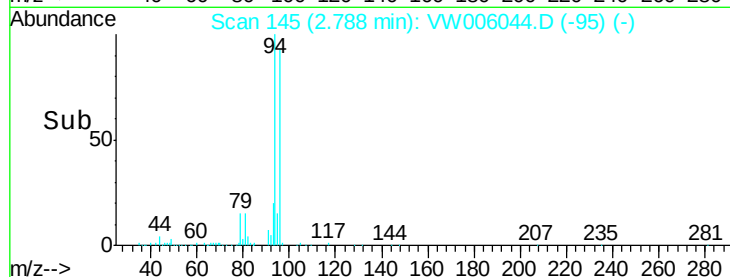
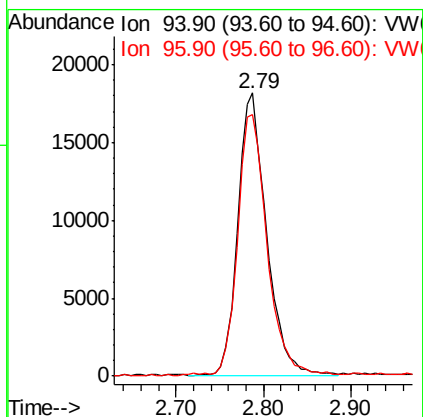
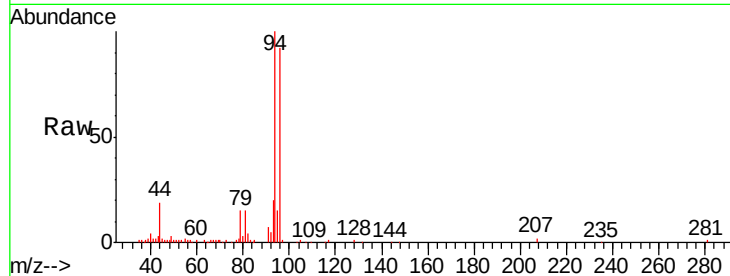
96 91.8 75.0 112.4

Manual Integrations

APPROVED

apatel

10/15/2018 10:03:25 AM



#6

Chloroethane

Concen: 22.25 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW006044.D

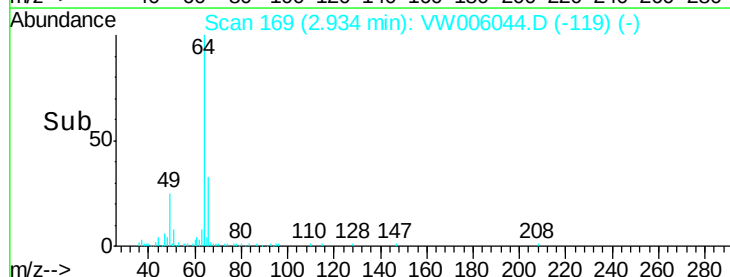
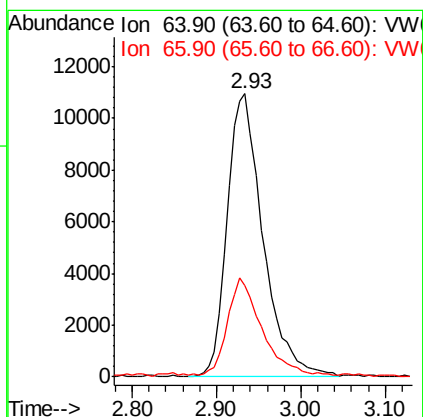
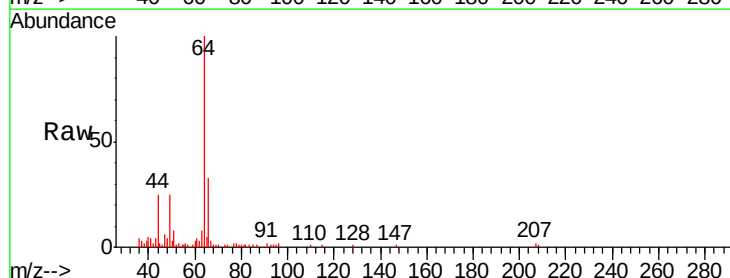
Acq: 12 Oct 2018 12:49

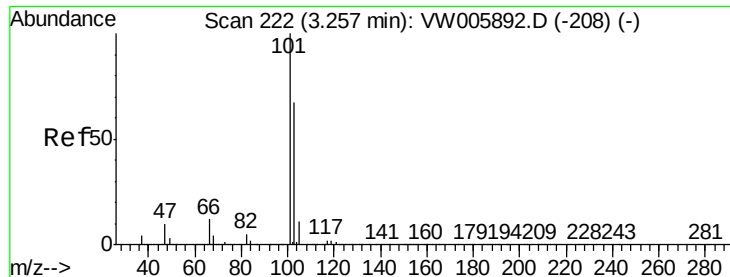
Tgt Ion: 64 Resp: 31754

Ion Ratio Lower Upper

64 100

66 31.9 25.0 37.4





#7

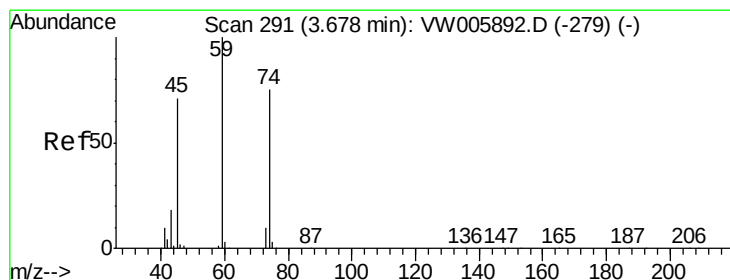
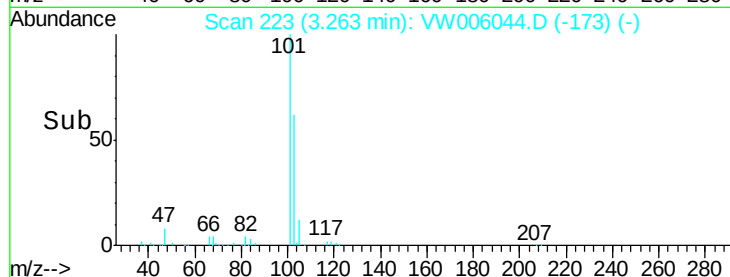
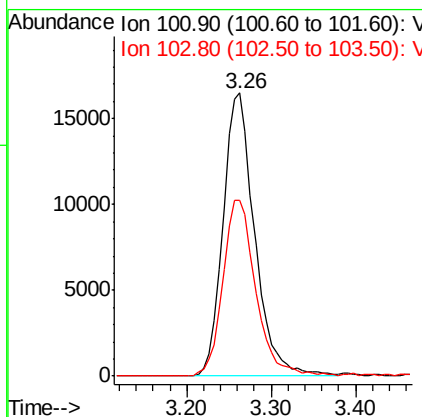
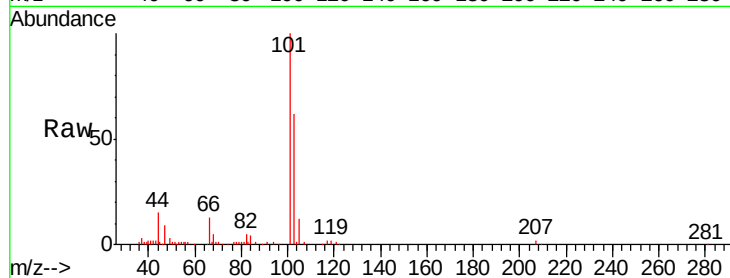
Trichlorofluoromethane
Concen: 23.78 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.01 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VW1013SBSD01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	62.0	53.5	80.3

Manual Integrations
APPROVED

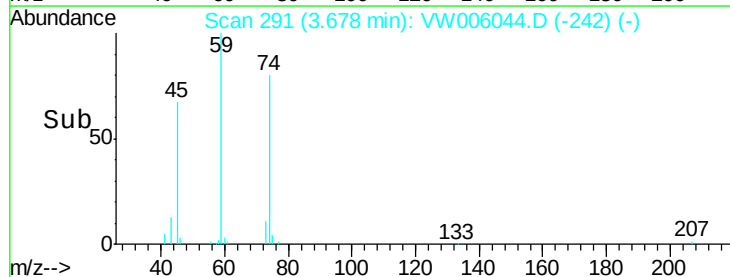
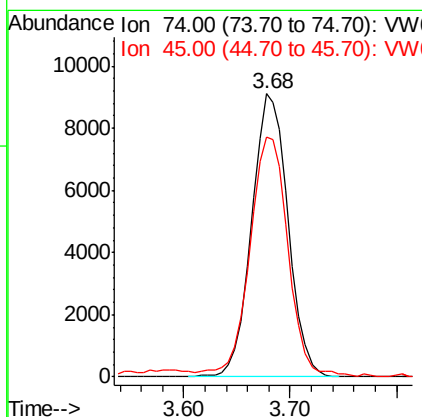
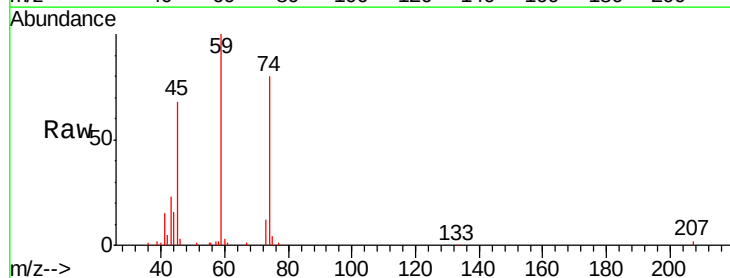
apatel
10/15/2018 10:03:25 AM

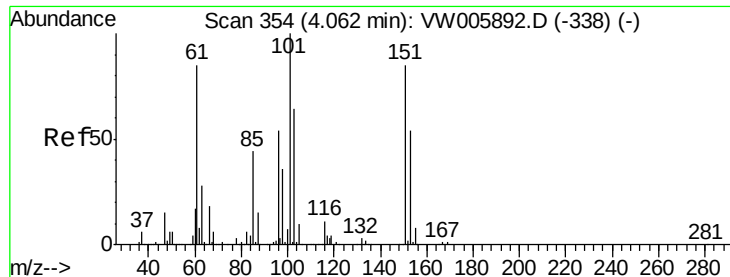


#8

Diethyl Ether
Concen: 19.86 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.7	46.8	140.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.22 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Instrument :

MSVOA_W

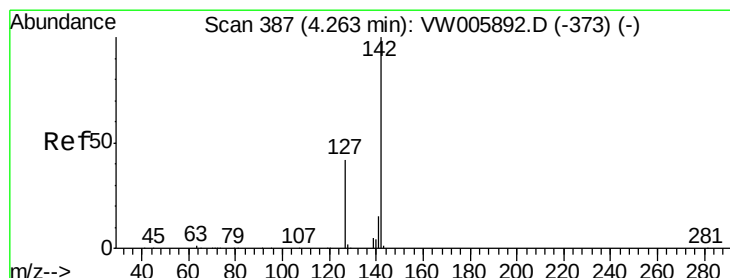
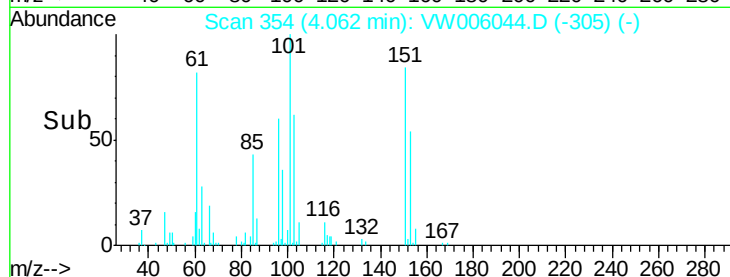
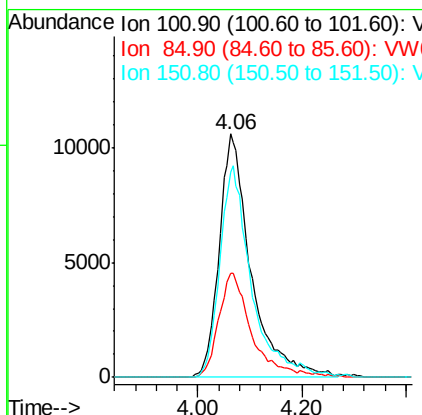
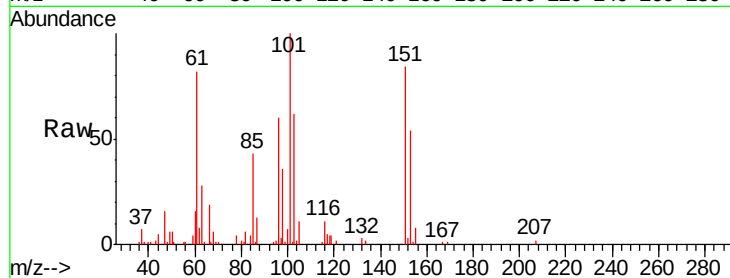
ClientSampleId :

VW1013SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	45368		
85	44.6	35.1	52.7	
151	83.7	67.7	101.5	

Manual Integrations
APPROVED

apatel
10/15/2018 10:03:25 AM



#10

Methyl Iodide

Concen: 19.80 ug/l

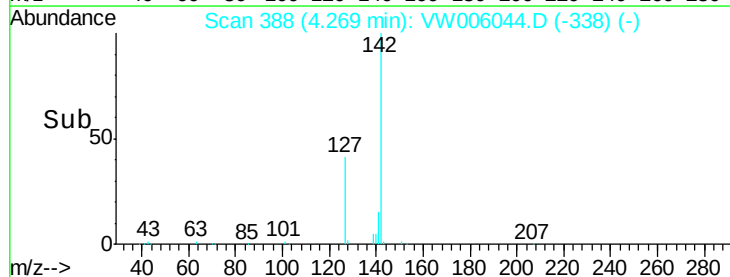
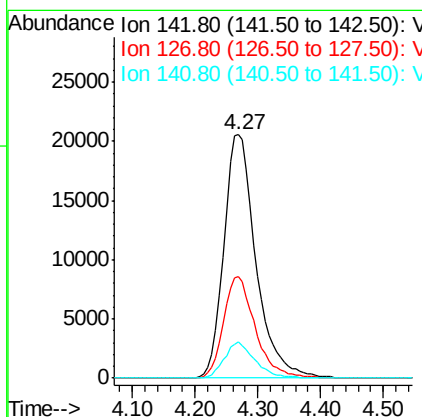
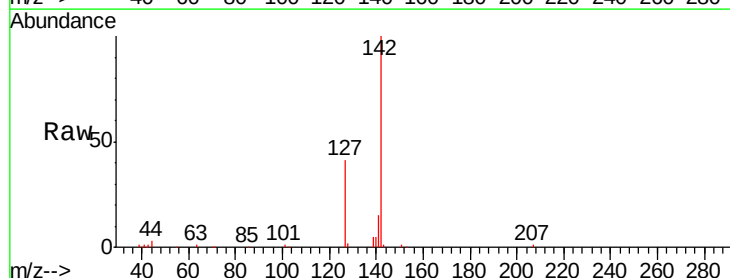
RT: 4.27 min Scan# 388

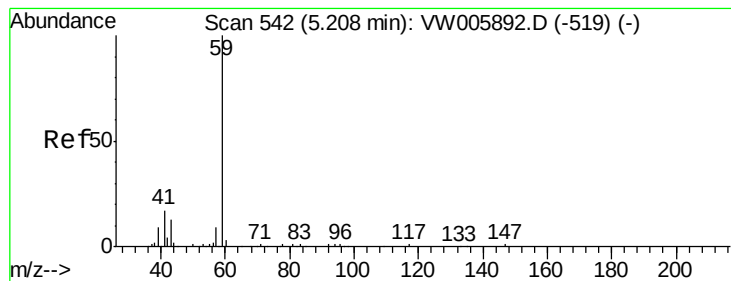
Delta R.T. 0.01 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	72634		
127	41.3	33.7	50.5	
141	14.0	11.5	17.3	





#11

Tert butyl alcohol

Concen: 89.87 ug/l m

RT: 5.21 min Scan# 543

Delta R.T. 0.01 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBSD01

Tgt Ion: 59 Resp: 15649

Ion Ratio Lower Upper

59 100

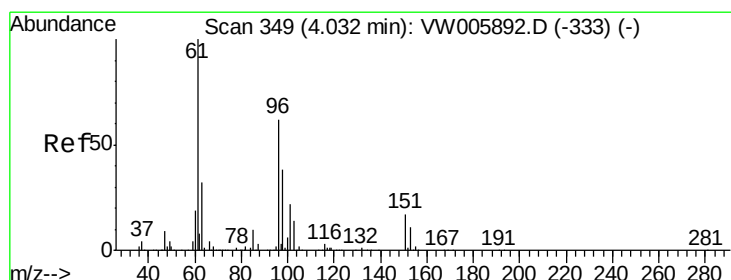
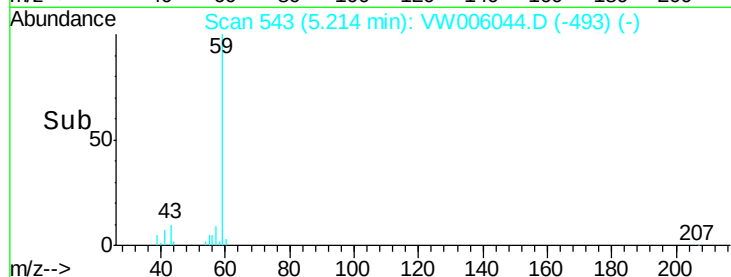
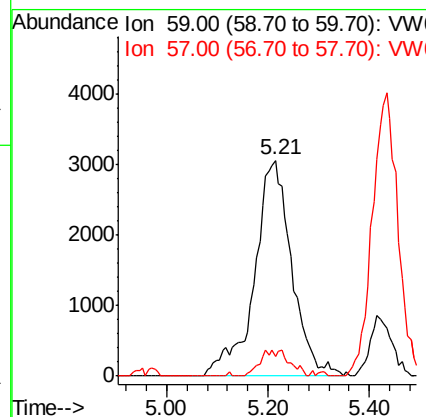
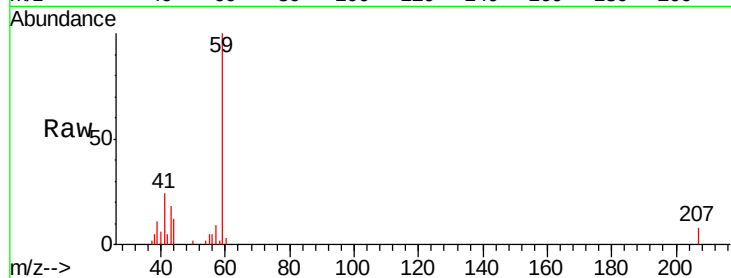
57 5.1 7.7 11.5#

Manual Integrations

APPROVED

apatel

10/15/2018 10:03:25 AM



#12

1,1-Dichloroethene

Concen: 19.24 ug/l

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

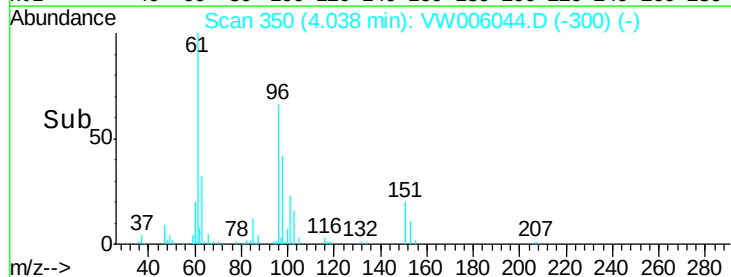
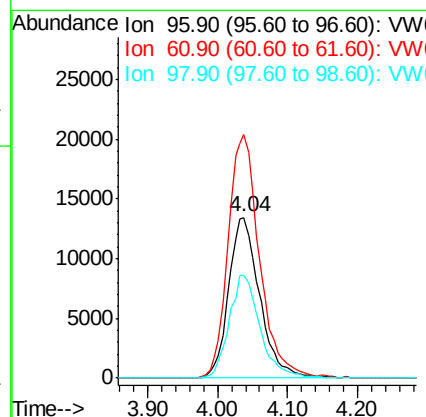
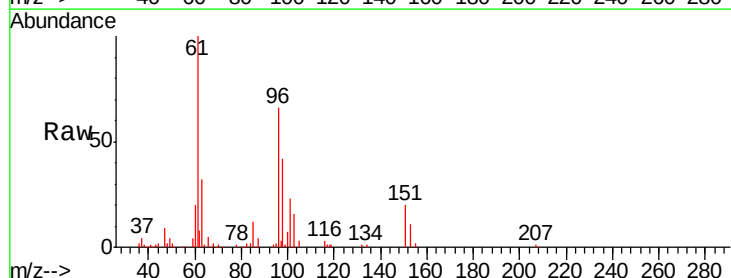
Tgt Ion: 96 Resp: 41444

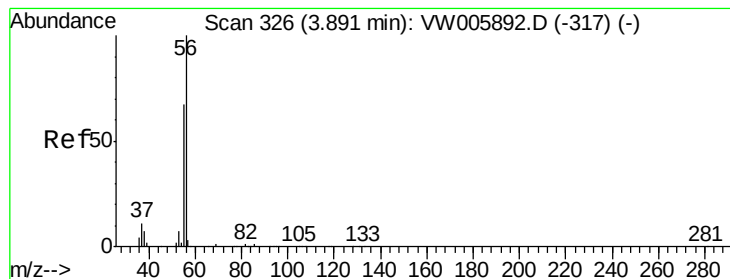
Ion Ratio Lower Upper

96 100

61 151.6 128.6 193.0

98 63.7 49.4 74.0





#13

Acrolein

Concen: 92.03 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBS01

Tgt Ion: 56 Resp: 14280

Ion Ratio Lower Upper

56 100

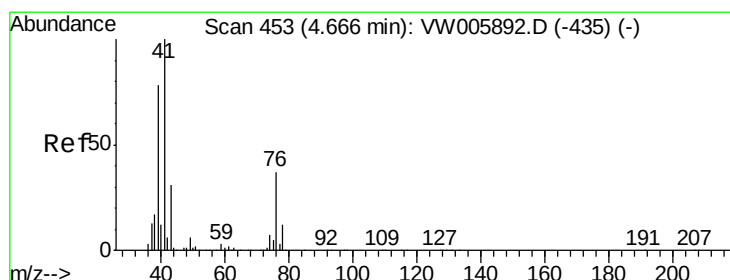
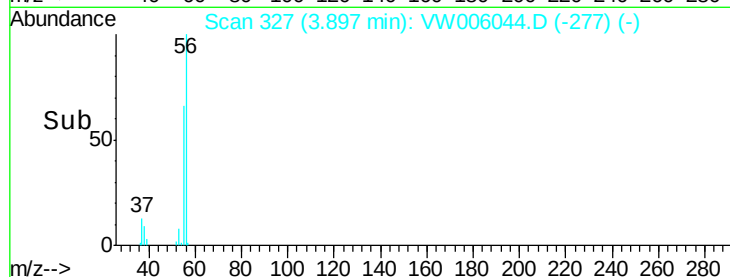
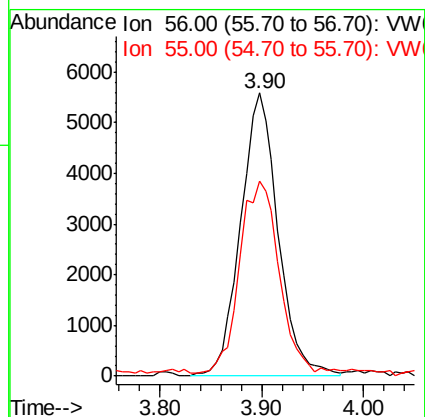
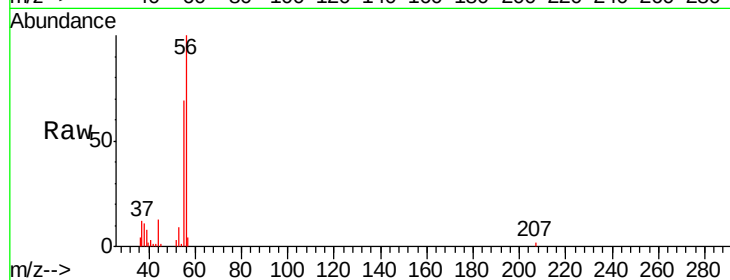
55 71.6 54.6 82.0

Manual Integrations

APPROVED

apatel

10/15/2018 10:03:25 AM



#14

Allyl chloride

Concen: 15.89 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

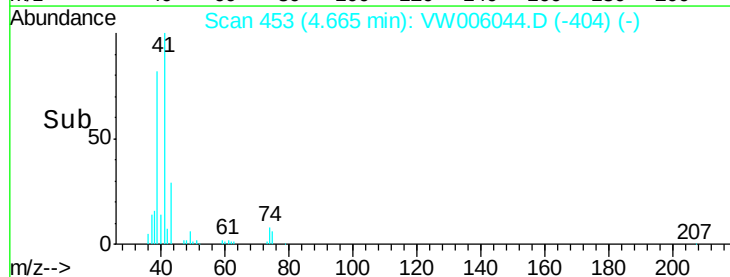
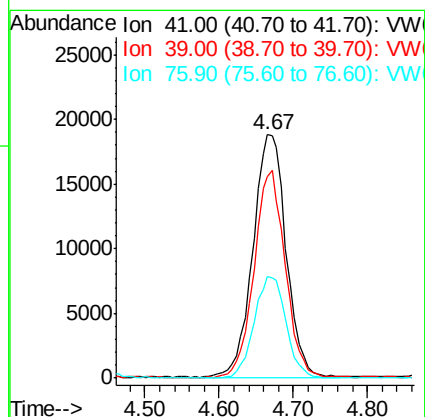
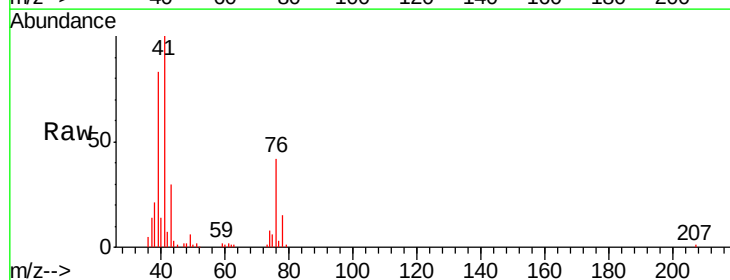
Tgt Ion: 41 Resp: 58391

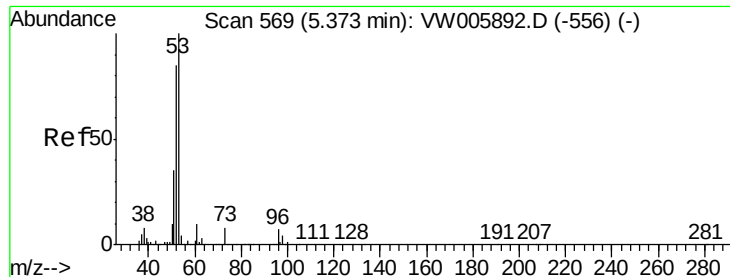
Ion Ratio Lower Upper

41 100

39 80.9 60.8 91.2

76 40.3 29.6 44.4





#15

Acrylonitrile

Concen: 89.23 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Instrument :

MSVOA_W

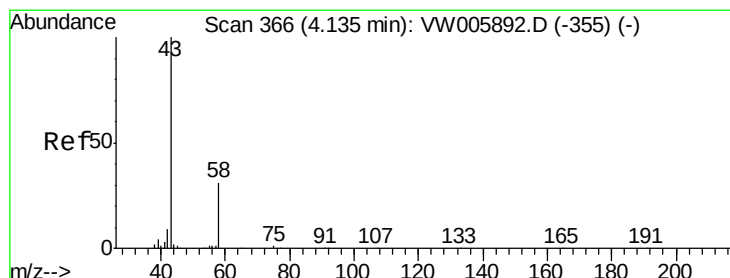
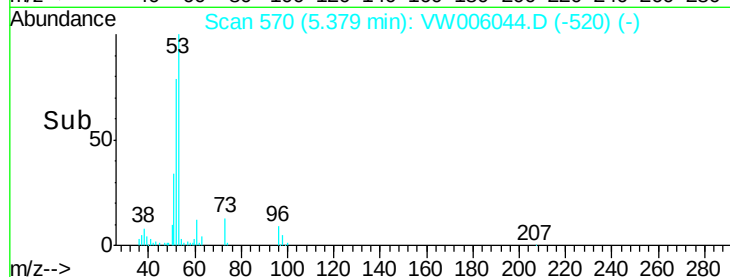
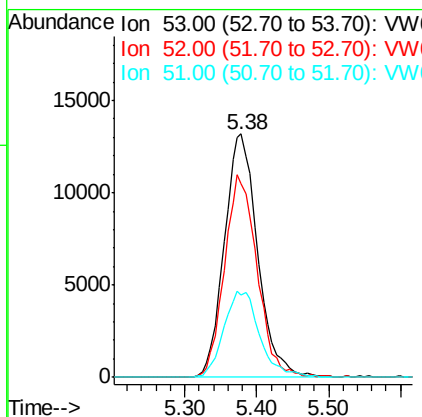
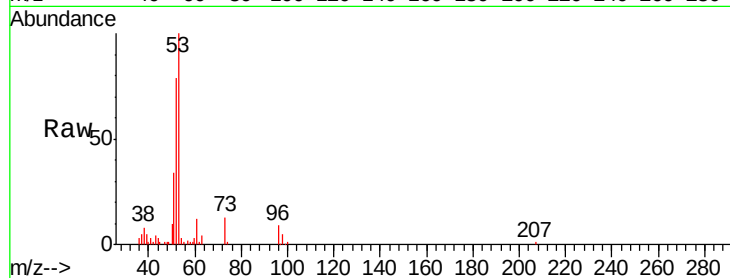
ClientSampleId :

VW1013SBSD01

Tgt Ion:	53	Resp:	42490
Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.8	100.2
51	37.9	29.8	44.6

Manual Integrations
APPROVED

apatel
10/15/2018 10:03:25 AM



#16

Acetone

Concen: 106.00 ug/l

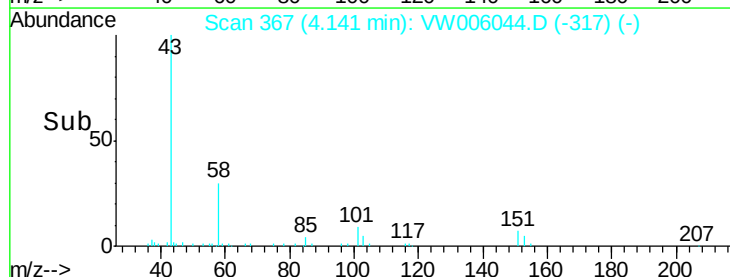
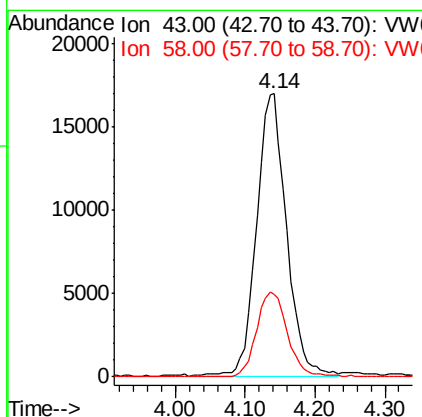
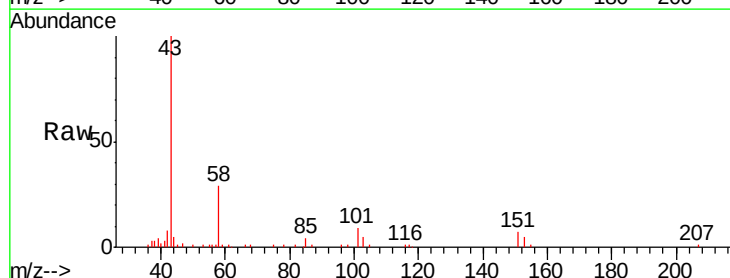
RT: 4.14 min Scan# 367

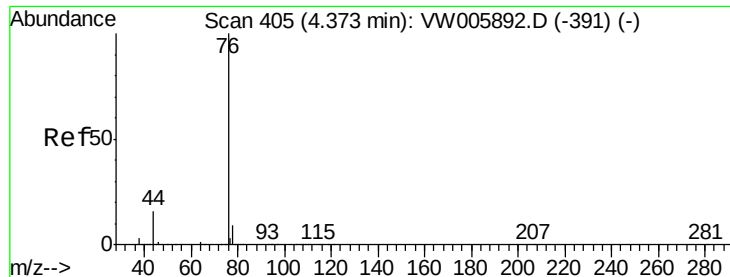
Delta R.T. 0.01 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Tgt Ion:	43	Resp:	50303
Ion	Ratio	Lower	Upper
43	100		
58	29.3	24.7	37.1





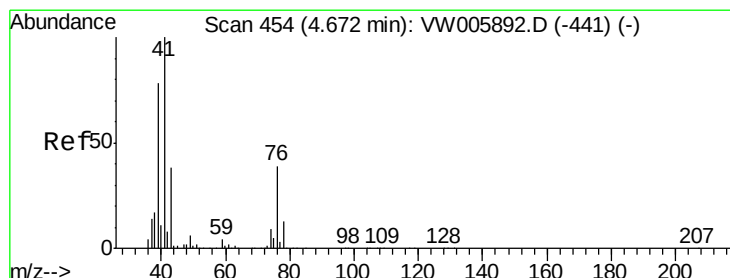
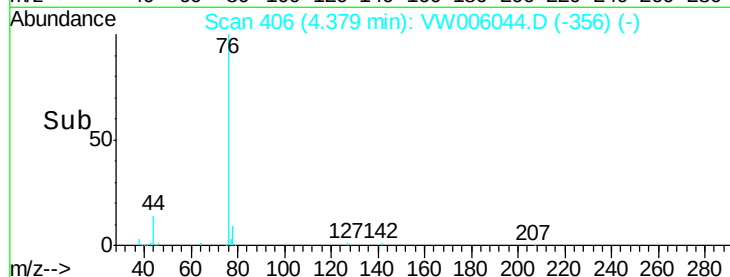
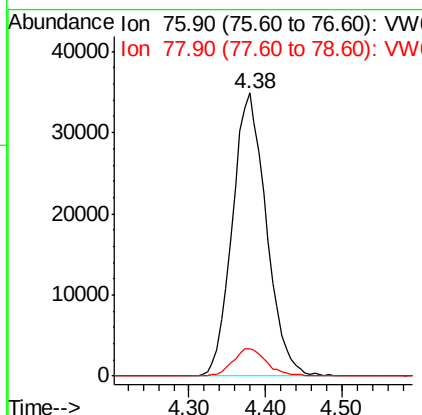
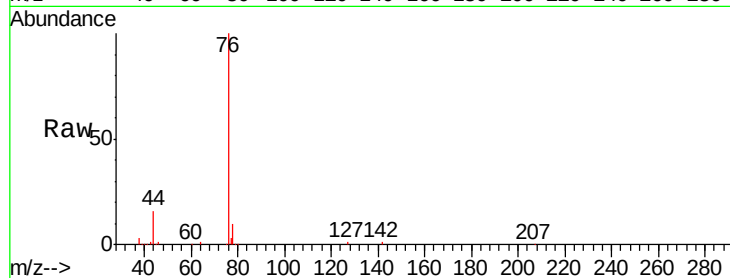
#17
Carbon Disulfide
Concen: 16.50 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VW1013SBSD01

Tgt Ion: 76 Resp: 107490
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0

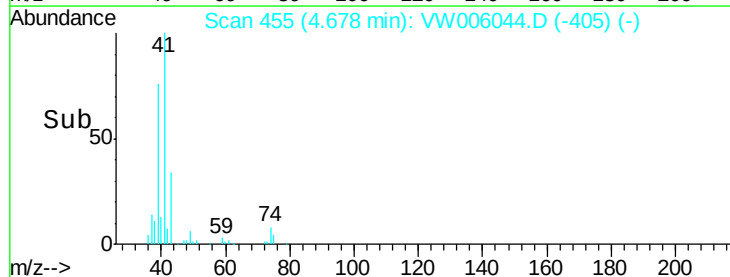
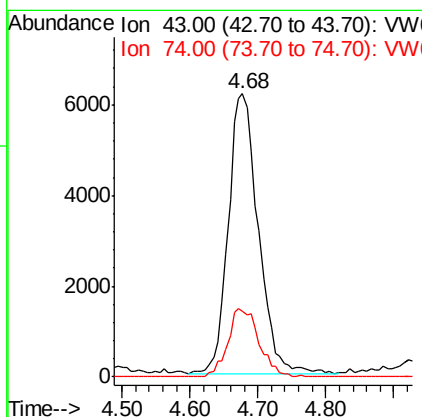
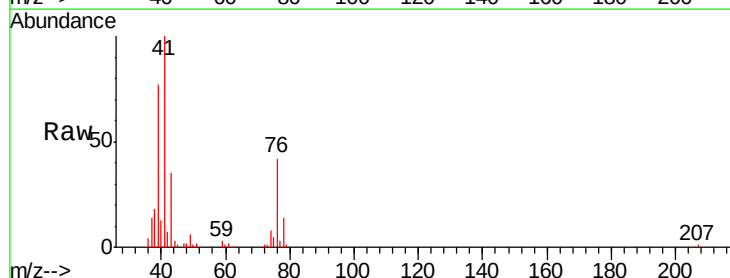
Manual Integrations
APPROVED

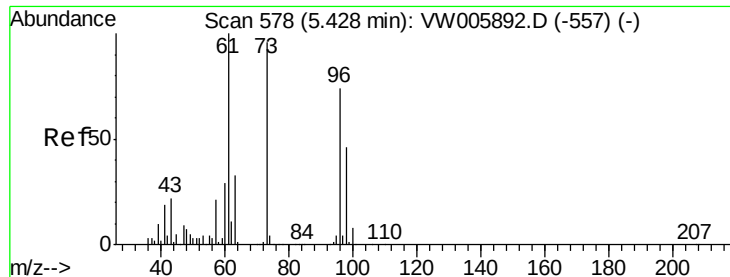
apatel
10/15/2018 10:03:25 AM



#18
Methyl Acetate
Concen: 15.87 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Tgt Ion: 43 Resp: 19008
Ion Ratio Lower Upper
43 100
74 25.1 19.2 28.8





#19

Methyl tert-butyl Ether

Concen: 19.61 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBSD01

Tgt Ion: 73 Resp: 65720

Ion Ratio Lower Upper

73 100

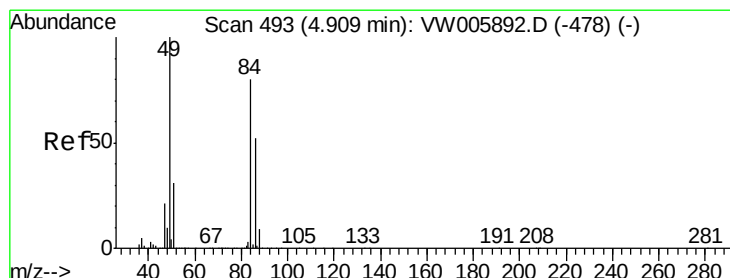
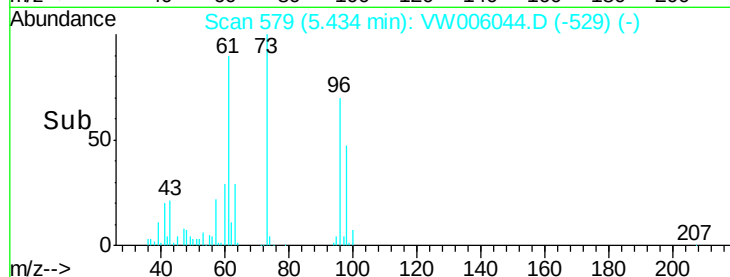
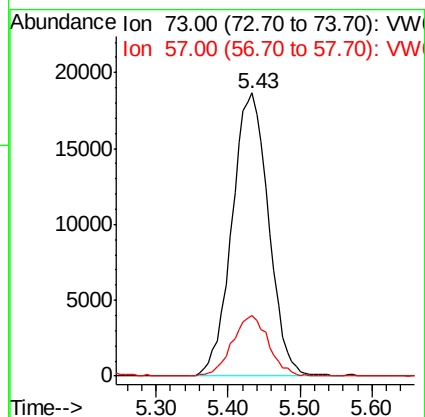
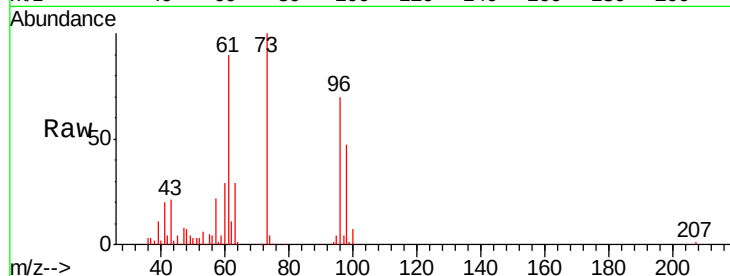
57 21.5 17.7 26.5

Manual Integrations

APPROVED

apatel

10/15/2018 10:03:25 AM



#20

Methylene Chloride

Concen: 22.77 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Tgt Ion: 84 Resp: 54147

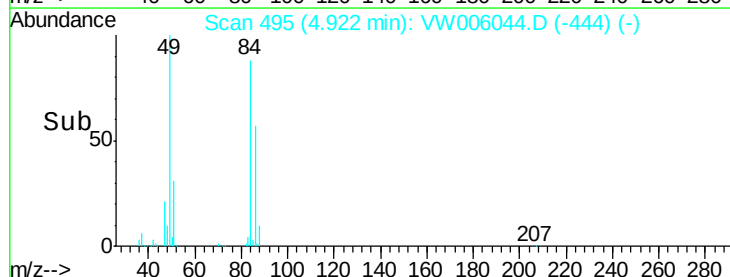
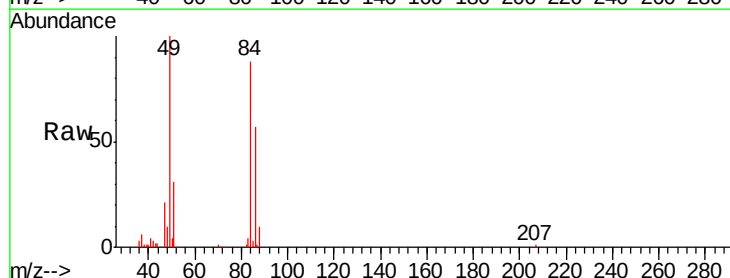
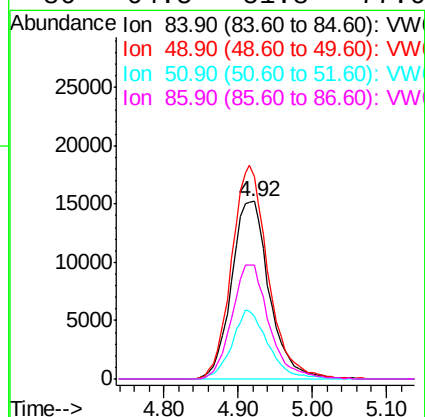
Ion Ratio Lower Upper

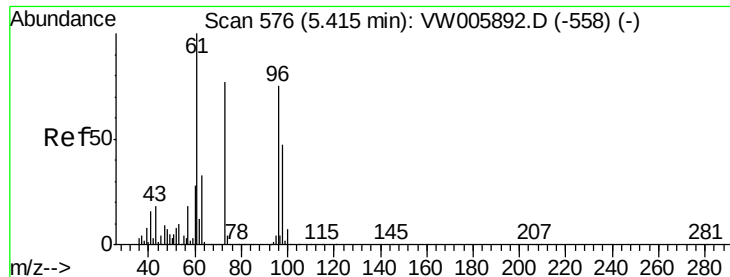
84 100

49 113.7 99.9 149.9

51 35.7 31.1 46.7

86 64.5 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.24 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Instrument :

MSVOA_W

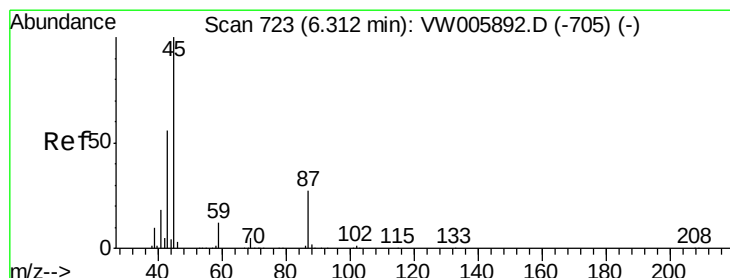
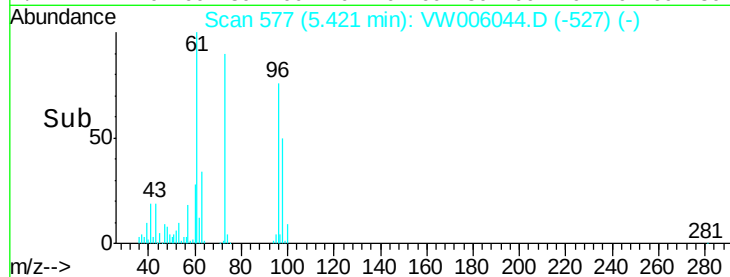
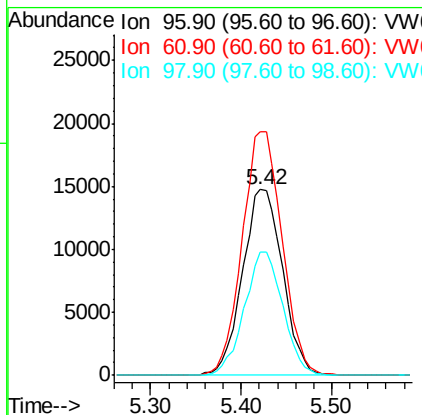
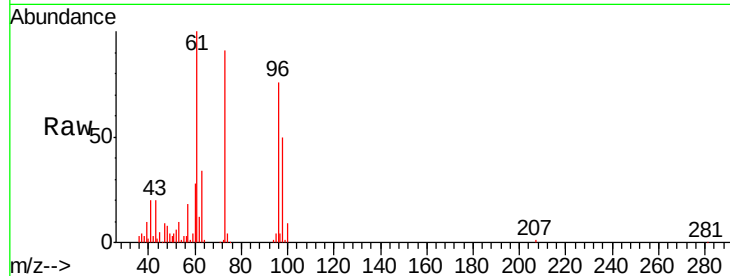
ClientSampleId :

VW1013SBS01

Tgt Ion:	96	Resp:	45175
Ion	Ratio	Lower	Upper
96	100		
61	131.1	107.4	161.0
98	66.2	50.8	76.2

Manual Integrations
APPROVED

apatel
10/15/2018 10:03:25 AM



#22

Diisopropyl ether

Concen: 17.91 ug/l

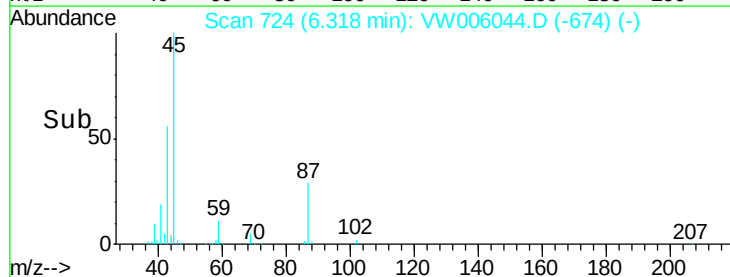
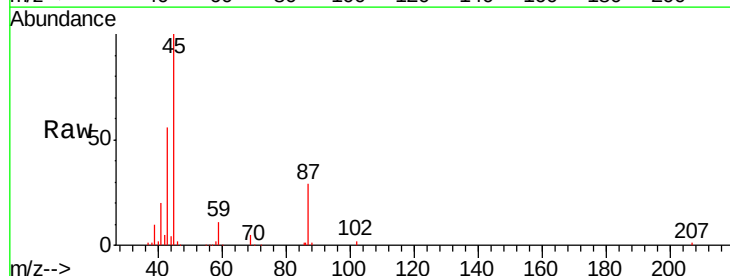
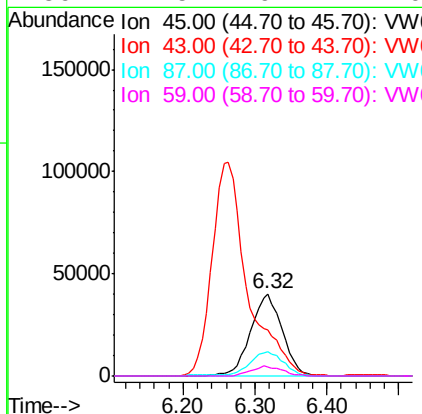
RT: 6.32 min Scan# 724

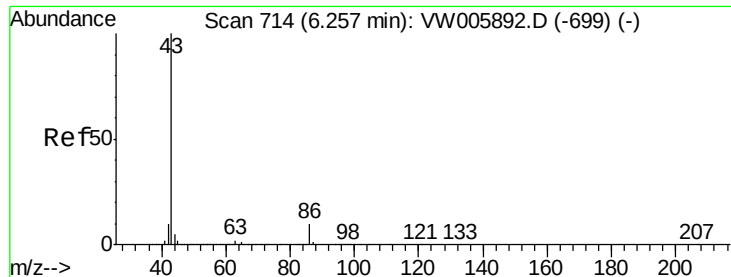
Delta R.T. 0.01 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Tgt Ion:	45	Resp:	123035
Ion	Ratio	Lower	Upper
45	100		
43	55.6	45.9	68.9
87	29.2	22.2	33.4
59	11.5	9.4	14.0





#23

Vinyl Acetate

Concen: 84.65 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBS01

Tgt Ion: 43 Resp: 357867

Ion Ratio Lower Upper

43 100

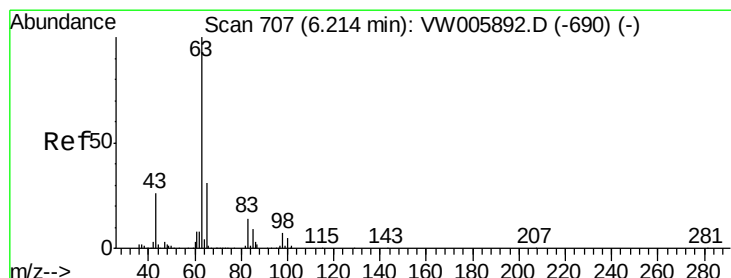
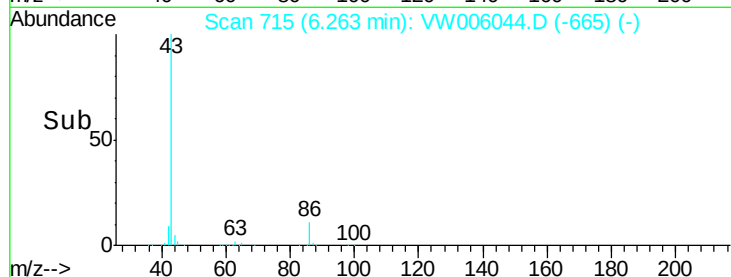
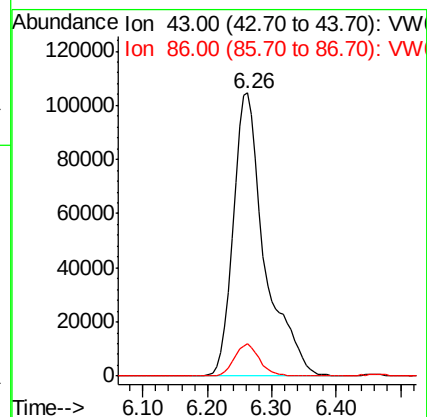
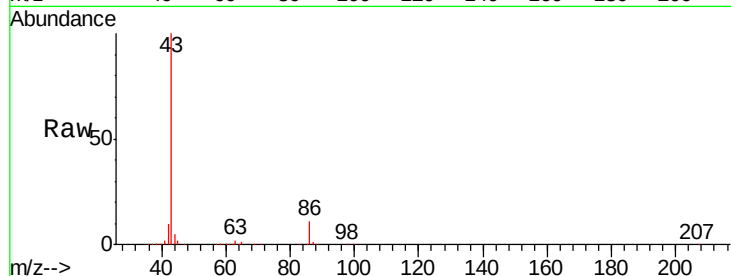
86 11.3 8.2 12.4

Manual Integrations

APPROVED

apatel

10/15/2018 10:03:25 AM



#24

1,1-Dichloroethane

Concen: 18.26 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

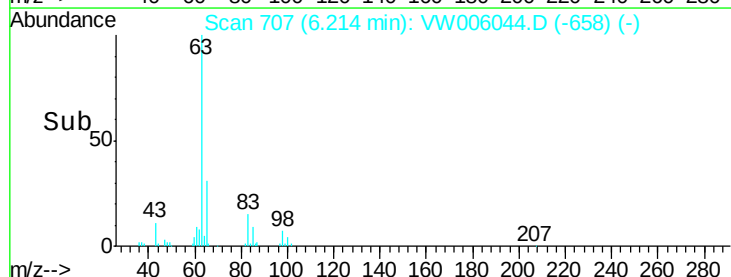
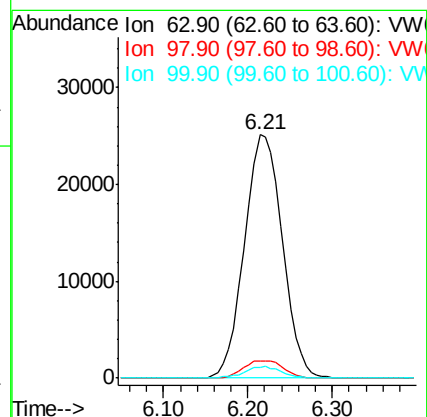
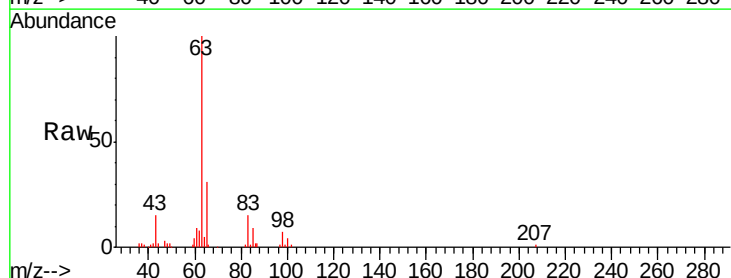
Tgt Ion: 63 Resp: 76742

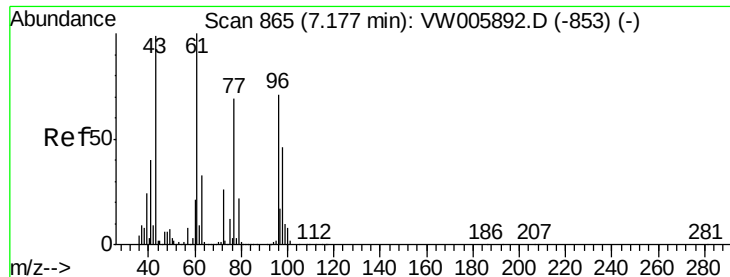
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.6

100 4.4 2.4 7.1





#25

2-Butanone

Concen: 93.39 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBSD01

Tgt Ion: 43 Resp: 63042

Ion Ratio Lower Upper

43 100

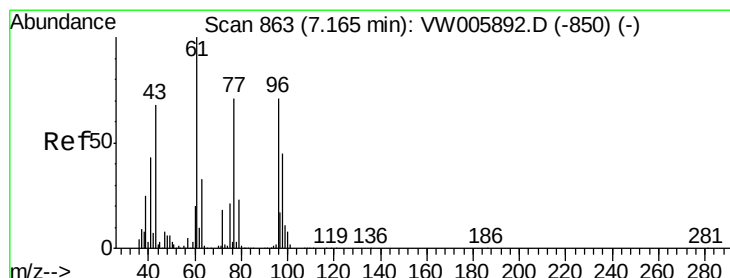
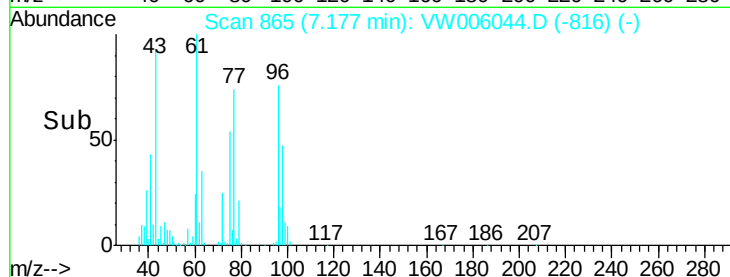
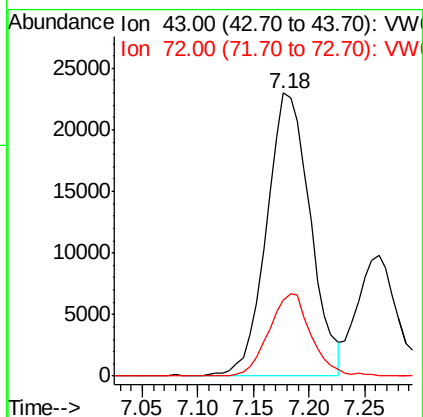
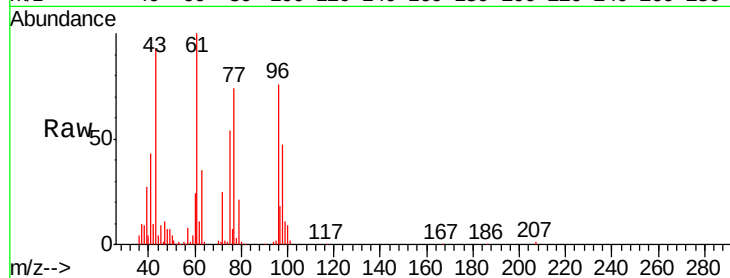
72 27.0 21.0 31.4

Manual Integrations

APPROVED

apatel

10/15/2018 10:03:25 AM



#26

2,2-Dichloropropane

Concen: 19.44 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW006044.D

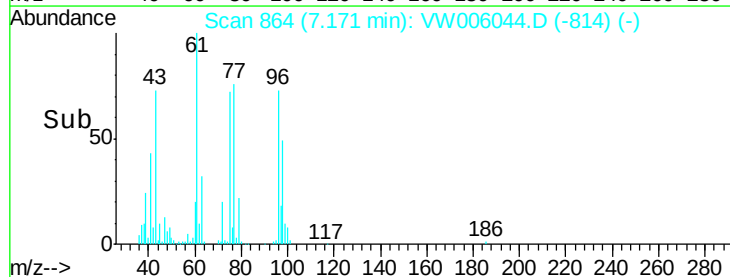
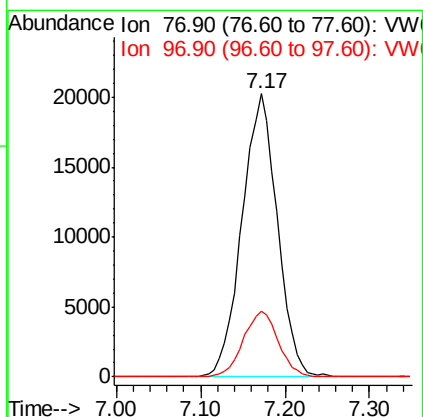
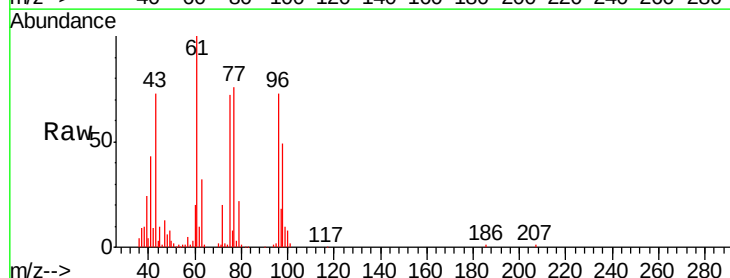
Acq: 12 Oct 2018 12:49

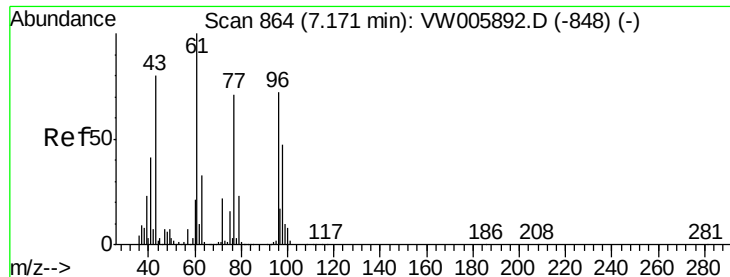
Tgt Ion: 77 Resp: 57519

Ion Ratio Lower Upper

77 100

97 22.9 11.9 35.7





#27

cis-1,2-Dichloroethene

Concen: 19.31 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Instrument :

MSVOA_W

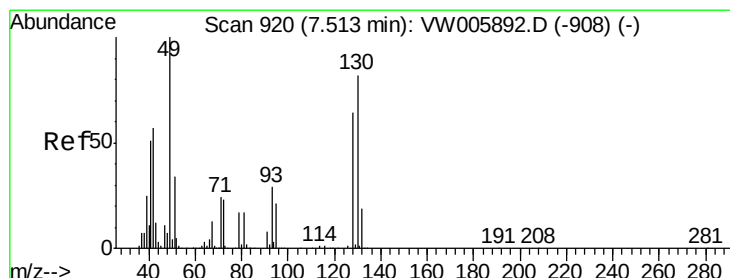
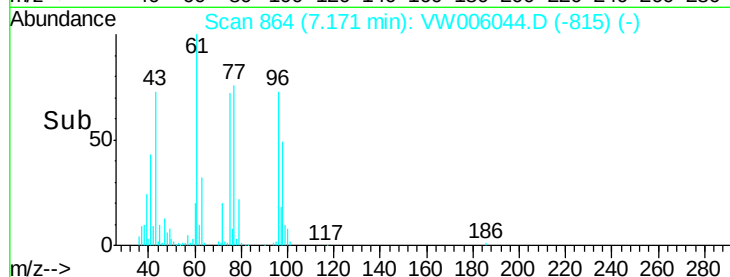
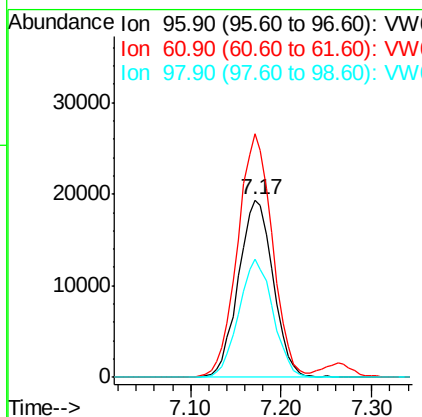
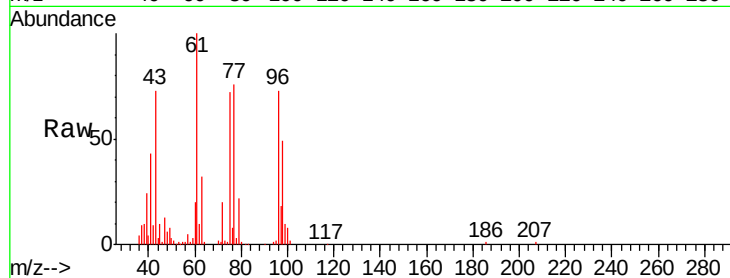
ClientSampleId :

VW1013SBSD01

Tgt Ion:	96	Resp:	51271
Ion	Ratio	Lower	Upper
96	100		
61	138.2	0.0	284.0
98	65.6	0.0	129.8

Manual Integrations
APPROVED

apatel
10/15/2018 10:03:25 AM



#28

Bromochloromethane

Concen: 18.41 ug/l

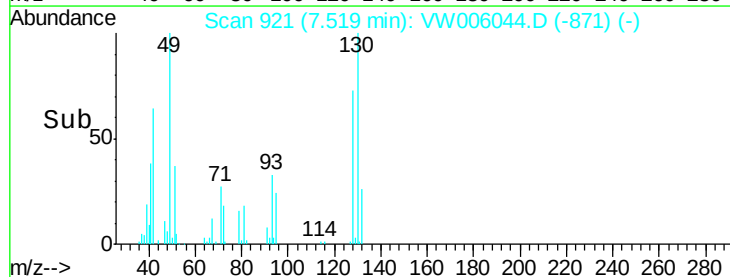
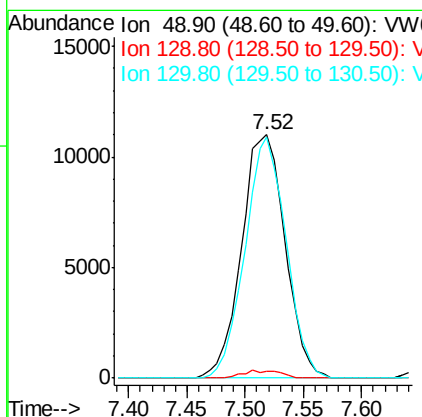
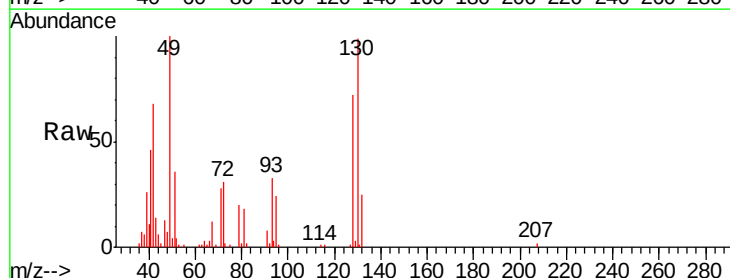
RT: 7.52 min Scan# 921

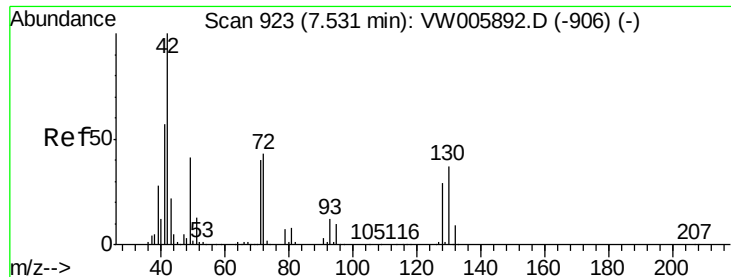
Delta R.T. 0.01 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Tgt Ion:	49	Resp:	28559
Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.0
130	93.2	66.9	100.3





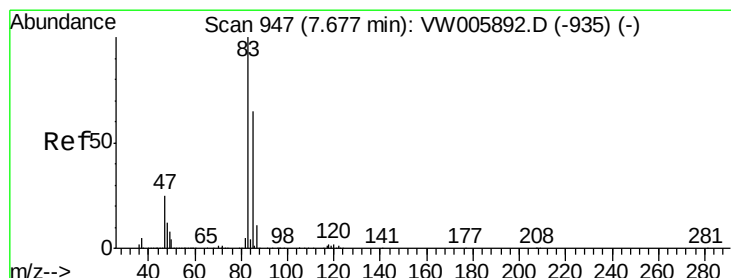
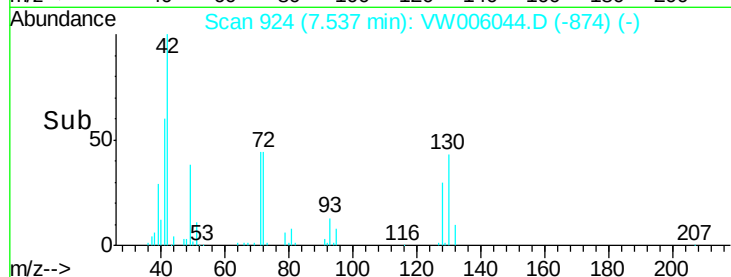
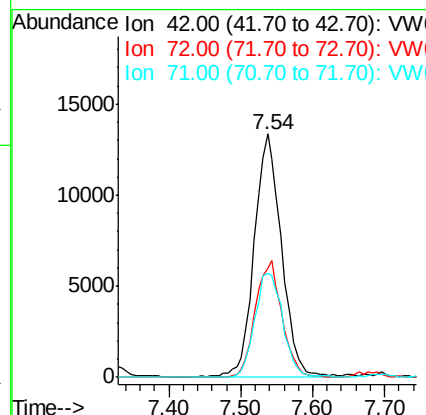
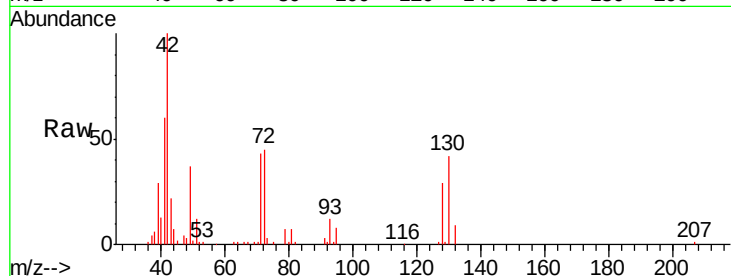
#29
Tetrahydrofuran
Concen: 82.50 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VW1013SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	46.9	34.6	51.8
71	44.0	32.6	49.0

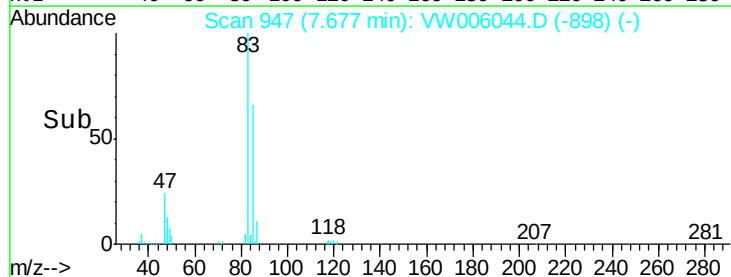
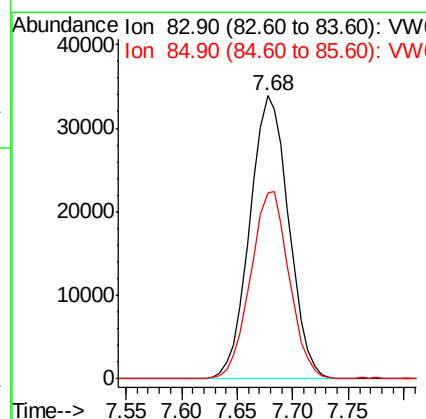
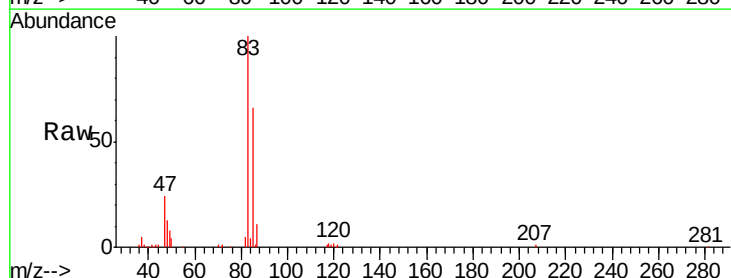
Manual Integrations
APPROVED

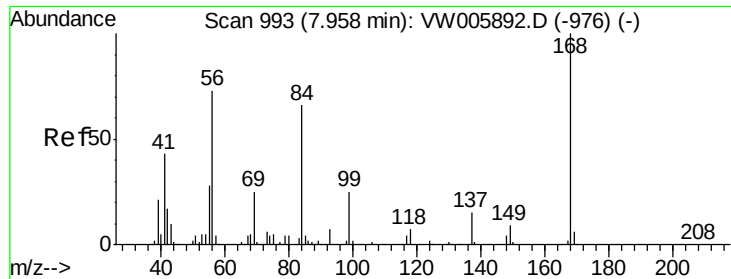
apatel
10/15/2018 10:03:25 AM



#30
Chloroform
Concen: 19.15 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.6	77.4





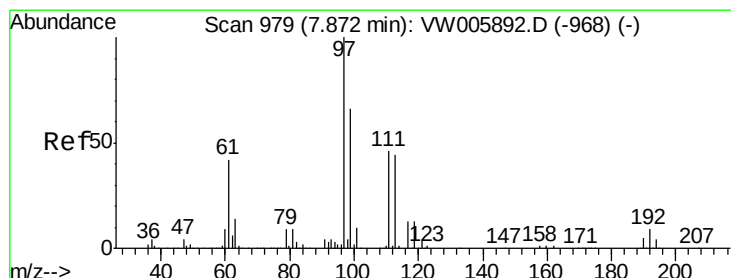
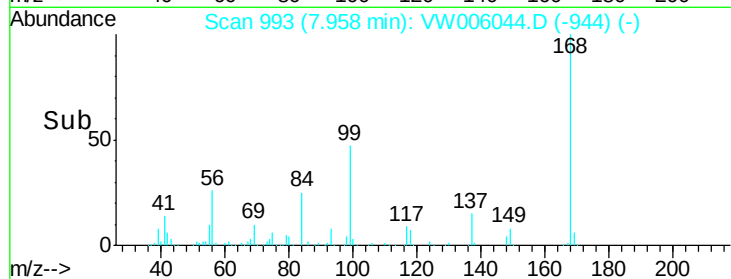
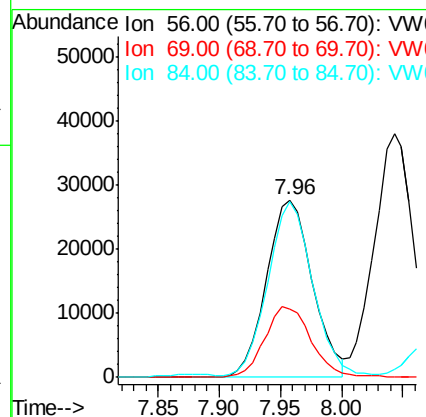
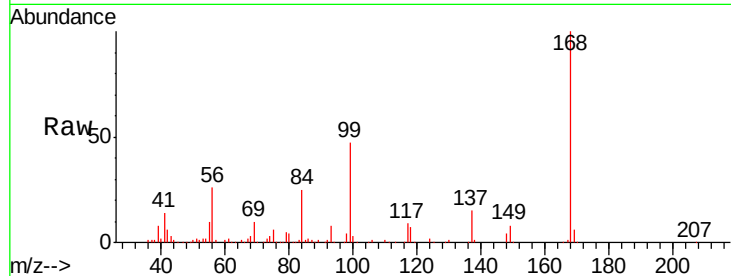
#31
Cyclohexane
Concen: 17.46 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VW1013SBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	38.3	27.9	41.9
84	96.9	72.3	108.5

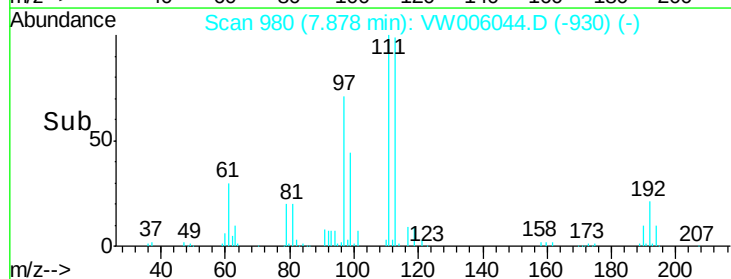
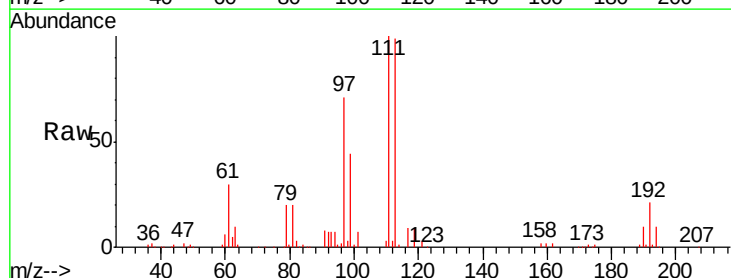
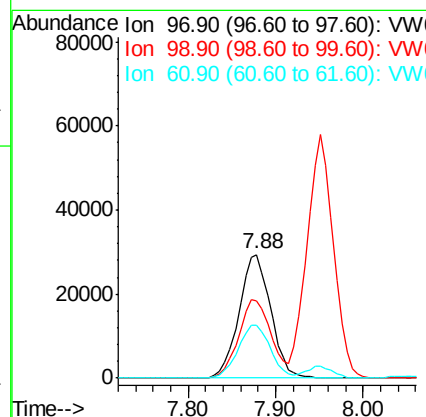
Manual Integrations
APPROVED

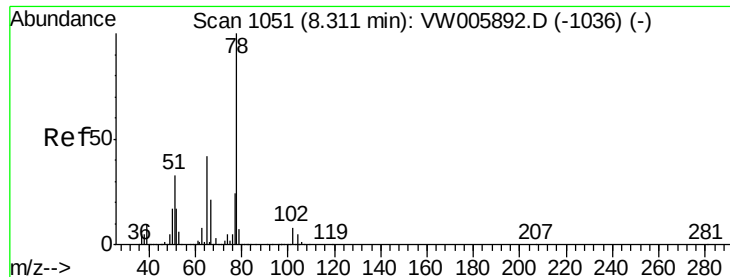
apatel
10/15/2018 10:03:25 AM



#32
1,1,1-Trichloroethane
Concen: 19.23 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.6	77.4
61	43.3	34.5	51.7





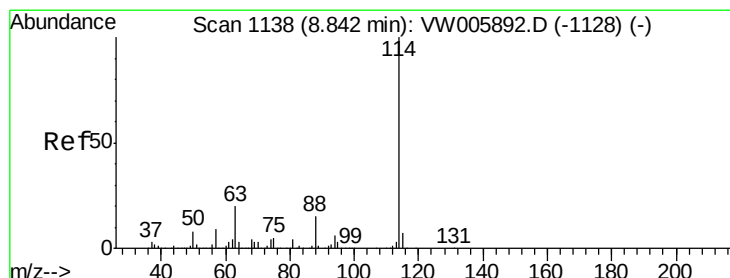
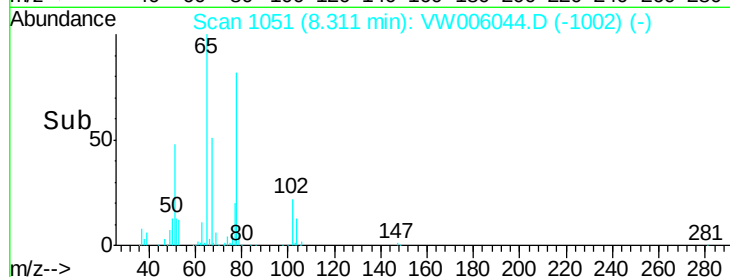
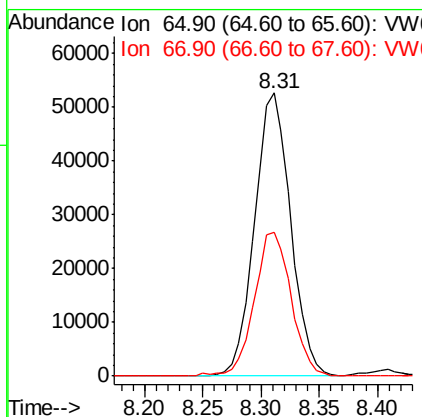
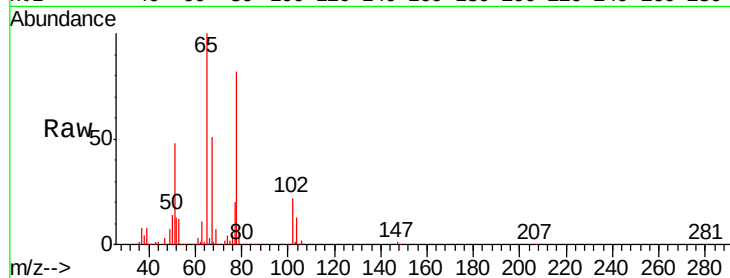
#33
 1,2-Dichloroethane-d4
 Concen: 47.94 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW006044.D
 Acq: 12 Oct 2018 12:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013BSD01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	113905		
67	51.8	0.0	104.6	

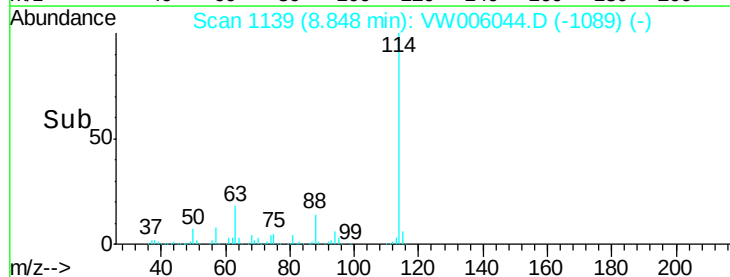
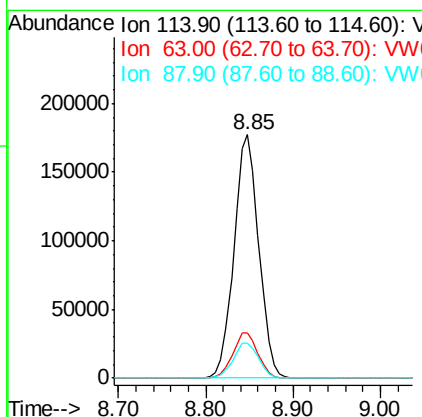
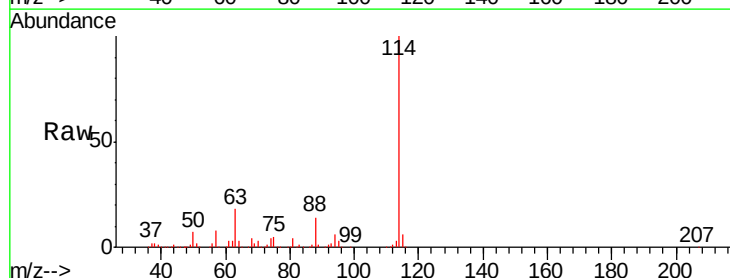
Manual Integrations
 APPROVED

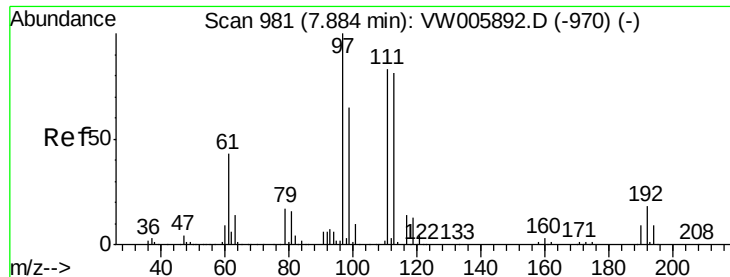
apatel
 10/15/2018 10:03:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW006044.D
 Acq: 12 Oct 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	348009		
63	18.3	0.0	39.2	
88	14.4	0.0	30.8	





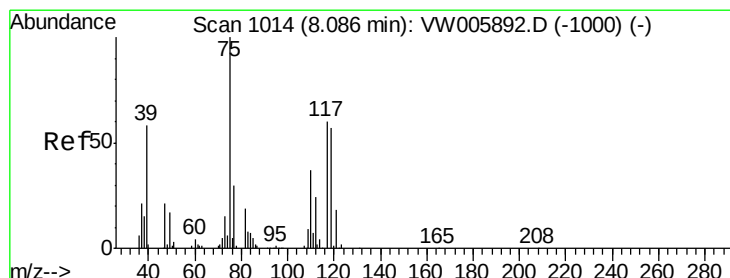
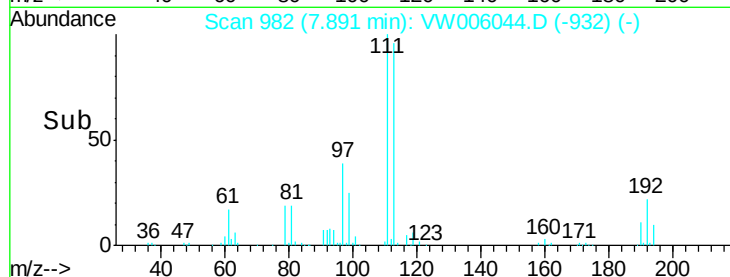
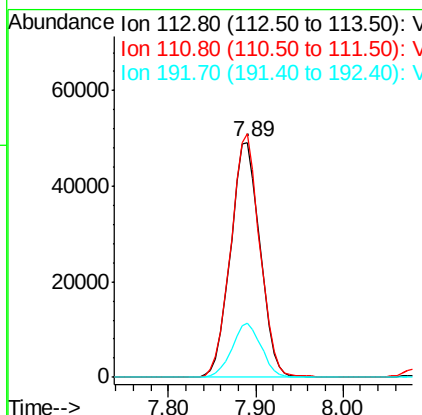
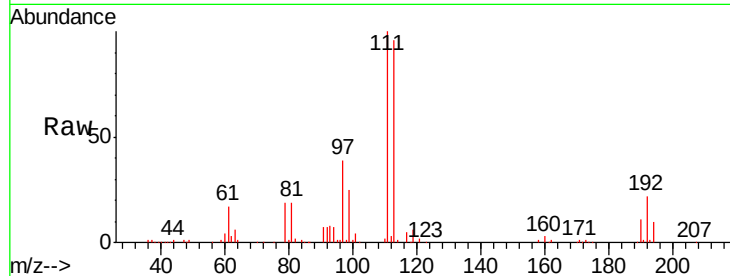
#35
Dibromofluoromethane
Concen: 52.00 ug/l
RT: 7.89 min Scan# 982
Delta R.T. 0.01 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VW1013SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	115549		
111	101.9	82.0	123.0	
192	22.8	18.3	27.5	

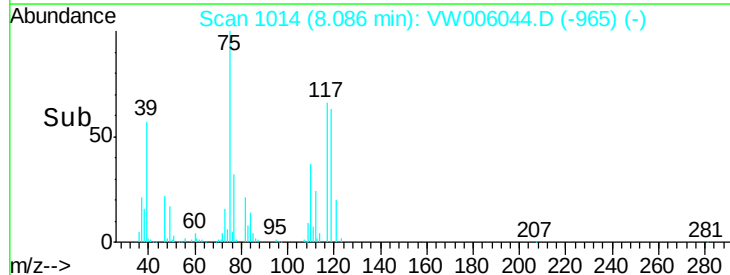
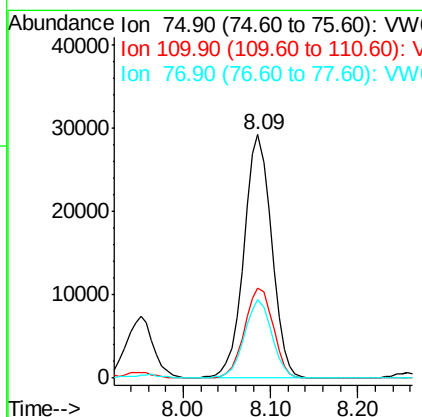
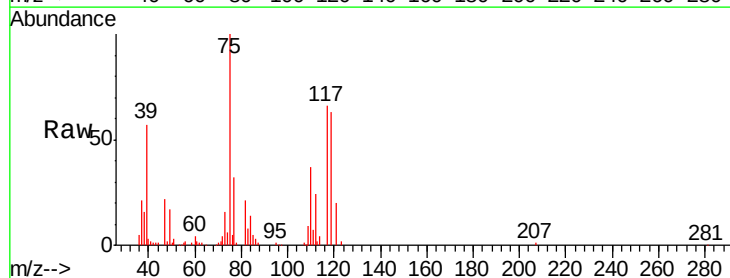
Manual Integrations
APPROVED

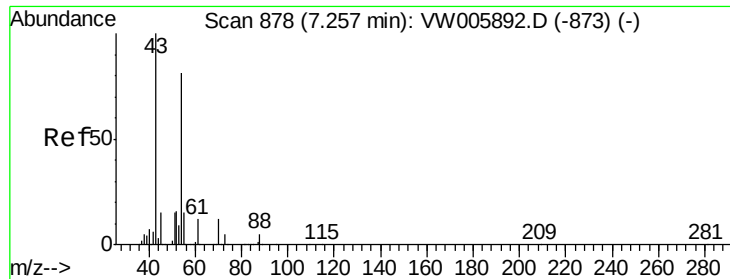
apatel
10/15/2018 10:03:25 AM



#36
1,1-Dichloropropene
Concen: 19.36 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	64542		
110	38.0	18.6	56.0	
77	31.8	24.7	37.1	





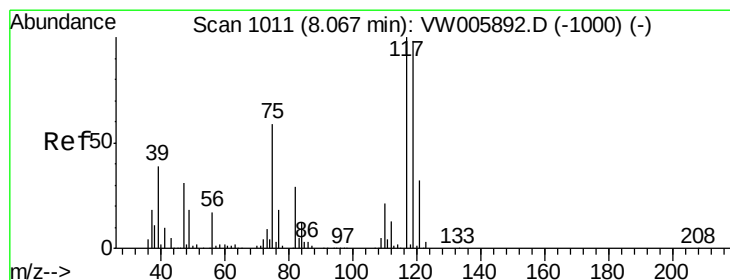
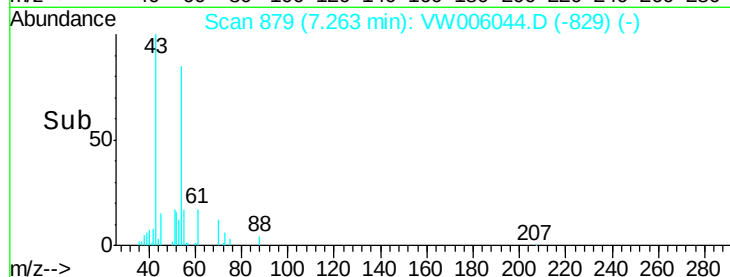
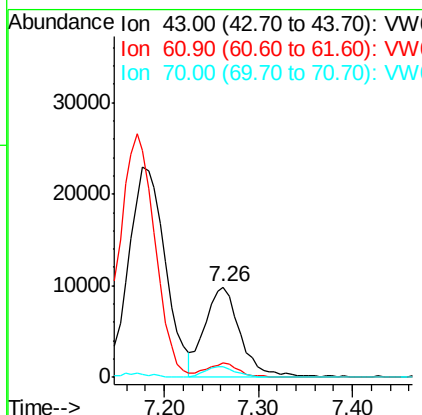
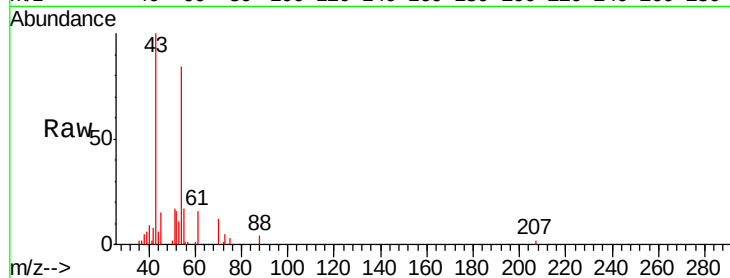
#37
Ethyl Acetate
Concen: 17.77 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VW1013SBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.6	16.0
70	11.1	8.6	13.0

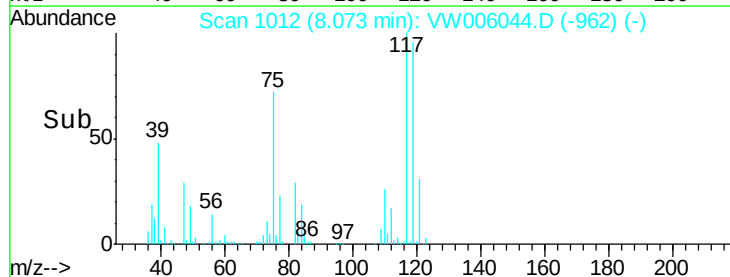
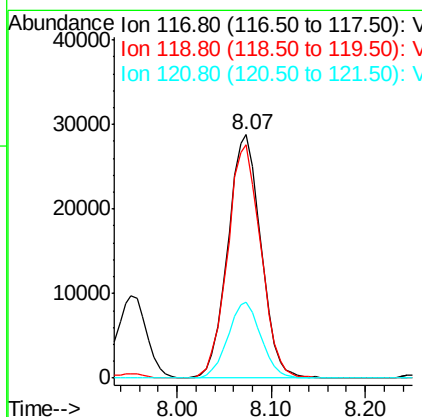
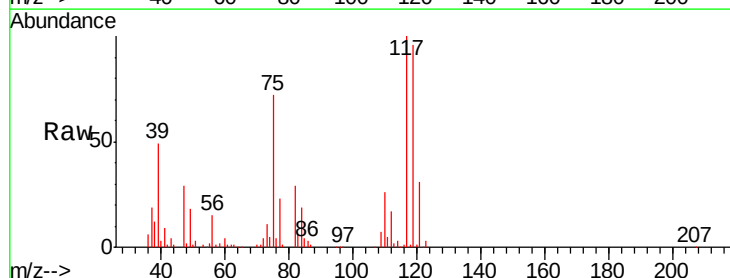
Manual Integrations
APPROVED

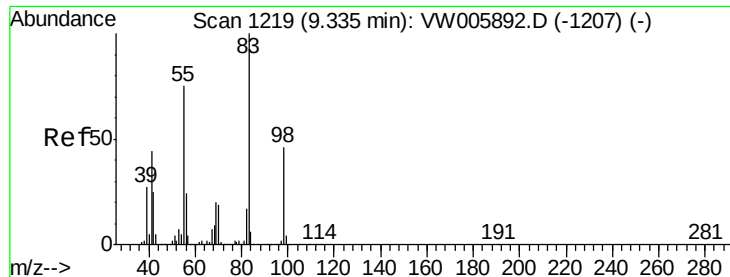
apatel
10/15/2018 10:03:25 AM



#38
Carbon Tetrachloride
Concen: 19.64 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	78.6	117.8
121	31.0	25.3	37.9





#39

Methylcyclohexane

Concen: 19.30 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Instrument :

MSVOA_W

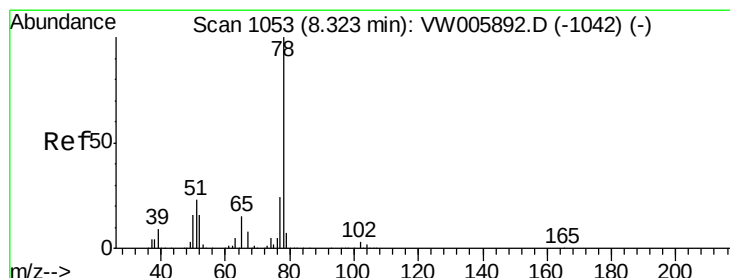
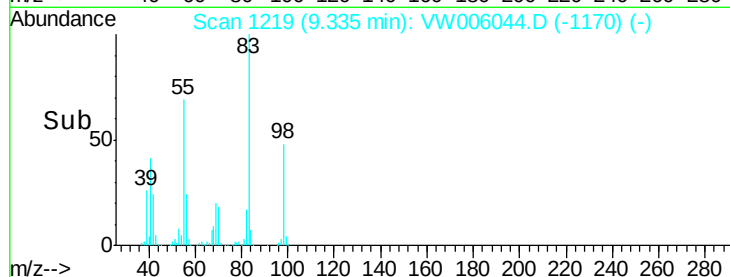
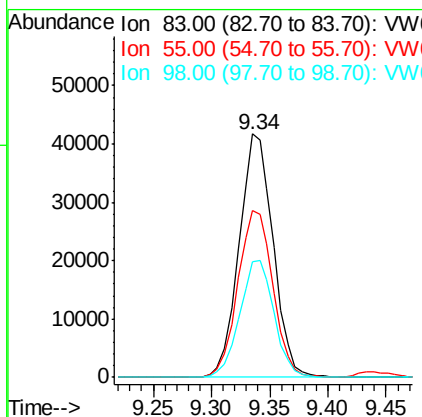
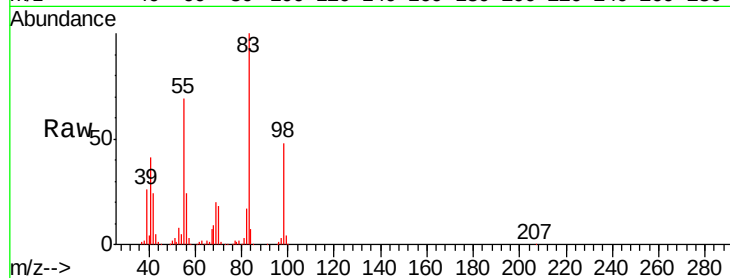
ClientSampleId :

VW1013SBS01

Tgt Ion:	83	Resp:	84884
Ion Ratio	Lower	Upper	
83	100		
55	68.8	59.8	89.6
98	47.7	37.1	55.7

Manual Integrations
APPROVED

apatel
10/15/2018 10:03:25 AM



#40

Benzene

Concen: 19.68 ug/l

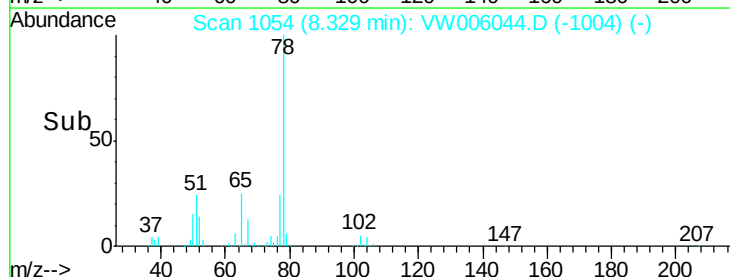
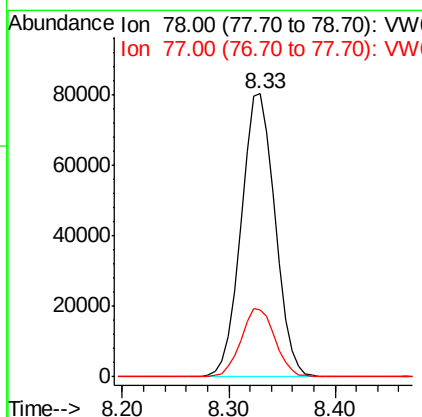
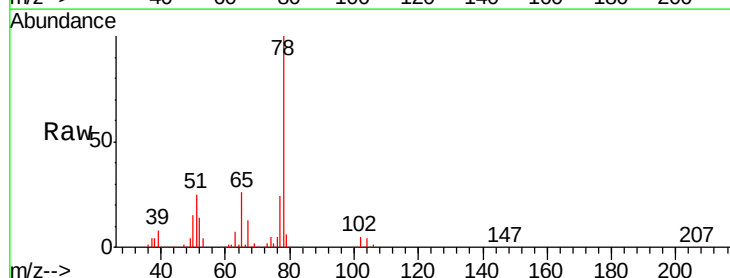
RT: 8.33 min Scan# 1054

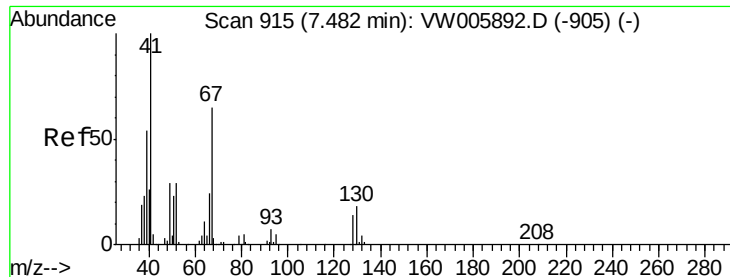
Delta R.T. 0.01 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Tgt Ion:	78	Resp:	179656
Ion Ratio	Lower	Upper	
78	100		
77	23.6	19.1	28.7





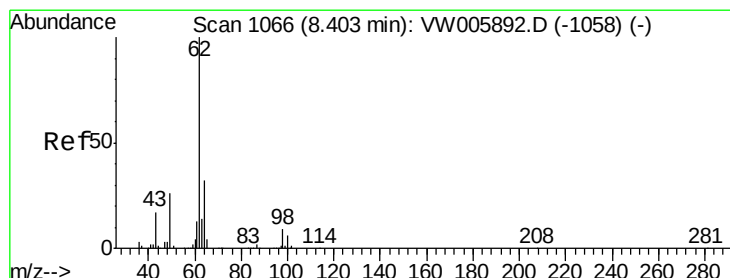
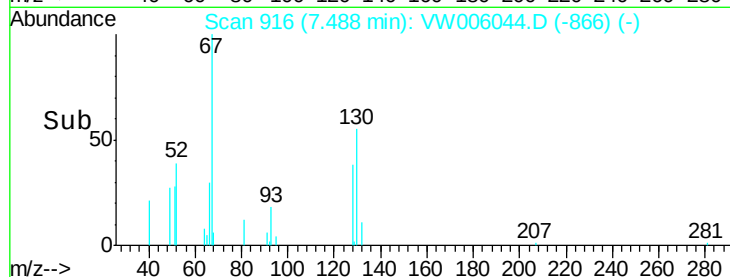
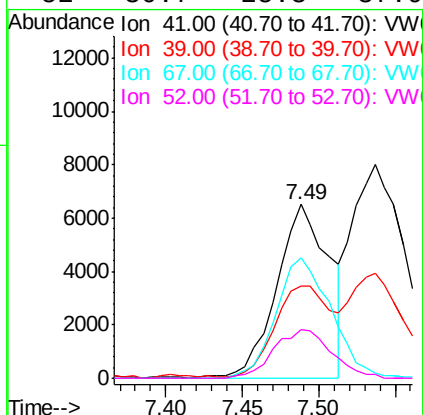
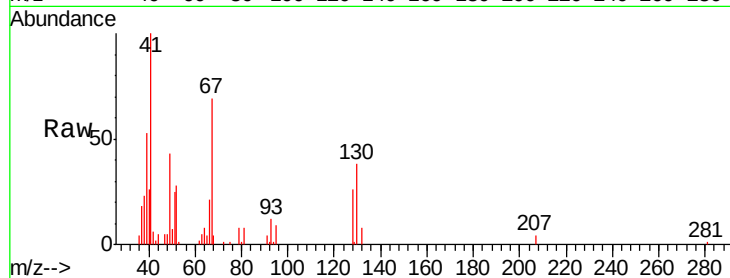
#41
Methacrylonitrile
Concen: 17.58 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VW1013SBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.7	45.0	67.4
67	72.8	55.8	83.8
52	30.7	25.3	37.9

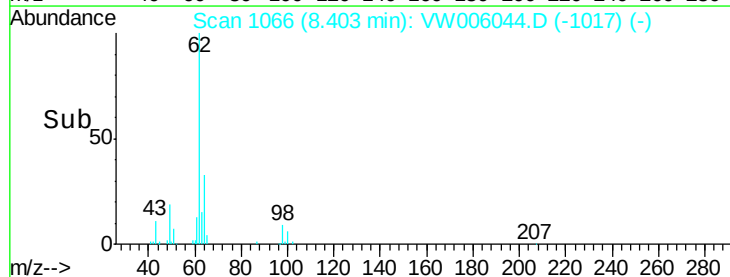
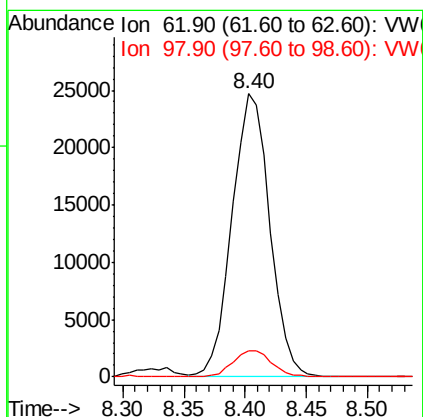
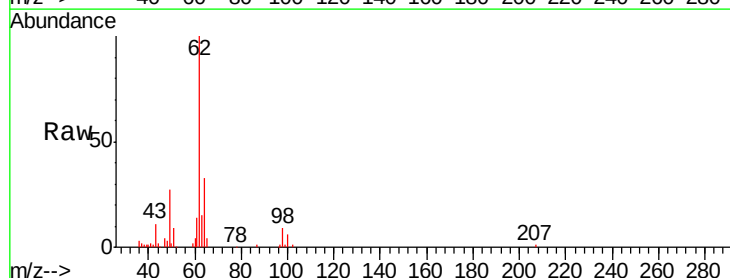
Manual Integrations
APPROVED

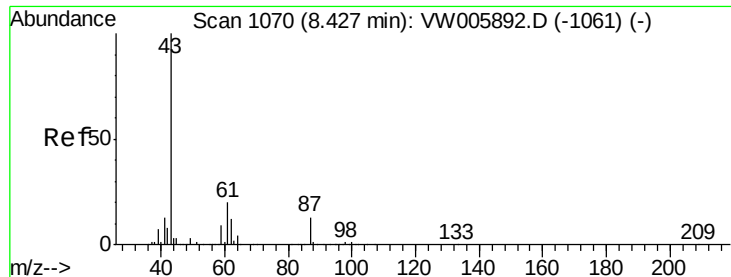
apatel
10/15/2018 10:03:25 AM



#42
1,2-Dichloroethane
Concen: 19.16 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.0





#43

Isopropyl Acetate

Concen: 16.76 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Instrument :

MSVOA_W

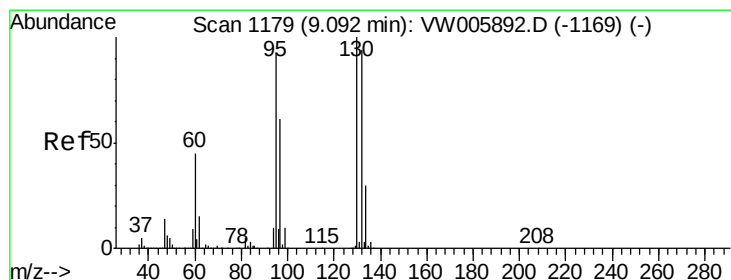
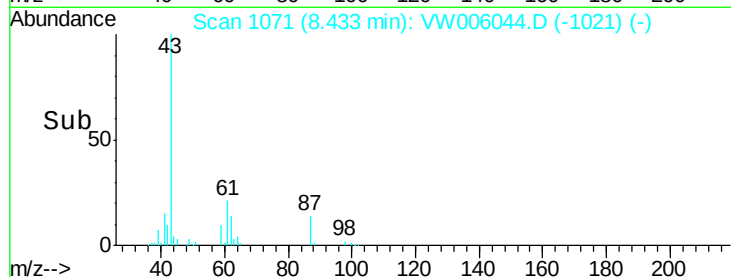
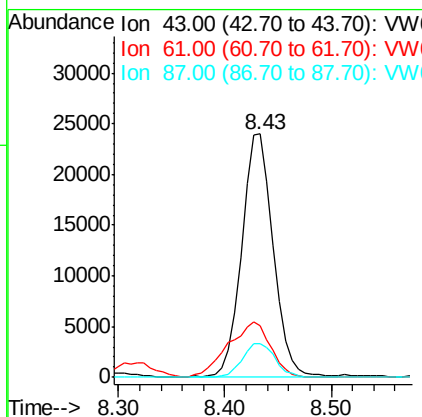
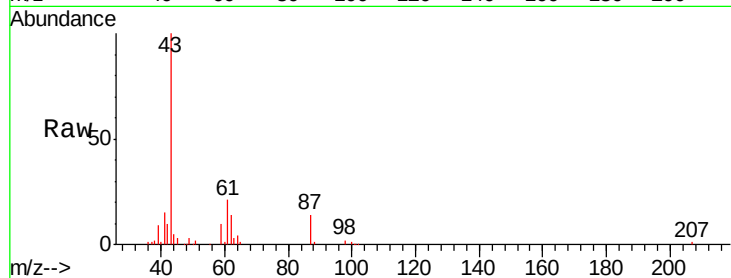
ClientSampleId :

VW1013SBS01

Tgt Ion:	43	Resp:	49431
Ion Ratio	Lower	Upper	
43	100		
61	31.0	23.1	34.7
87	14.6	10.7	16.1

Manual Integrations
APPROVED

apatel
10/15/2018 10:03:25 AM



#44

Trichloroethene

Concen: 20.32 ug/l

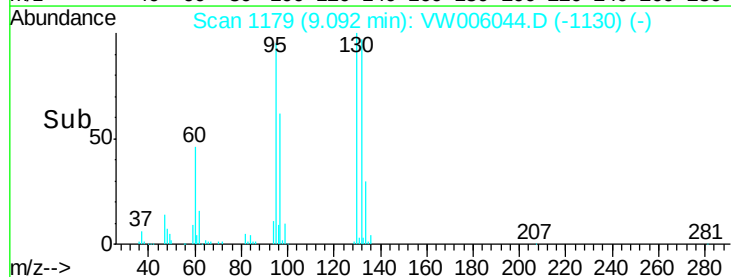
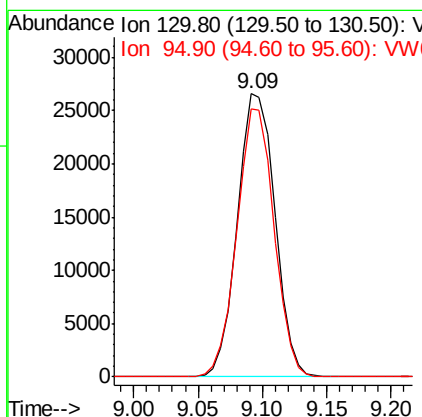
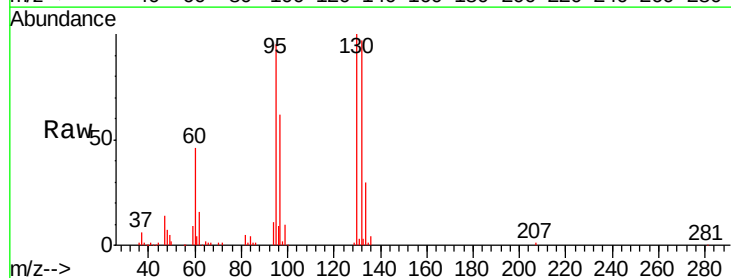
RT: 9.09 min Scan# 1179

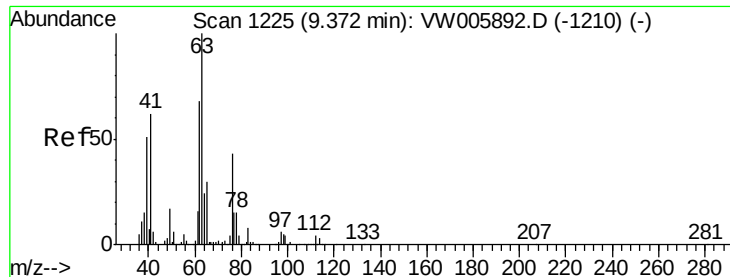
Delta R.T. -0.00 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Tgt Ion:	130	Resp:	53806
Ion Ratio	Lower	Upper	
130	100		
95	94.9	0.0	185.6





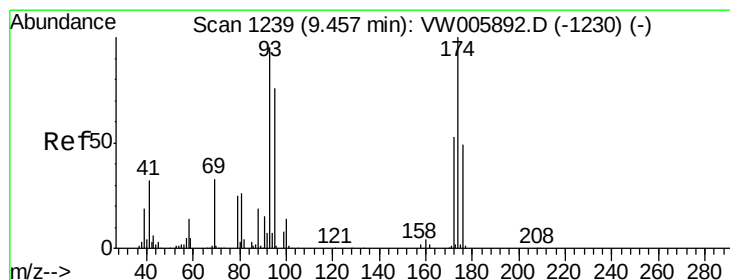
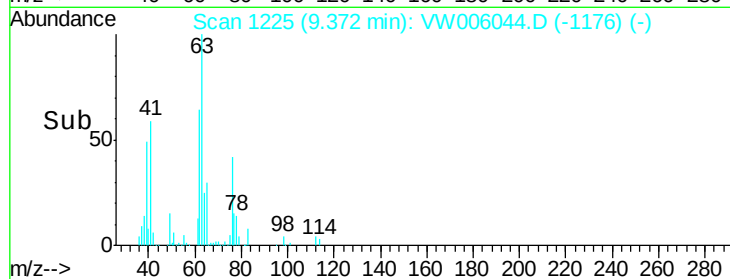
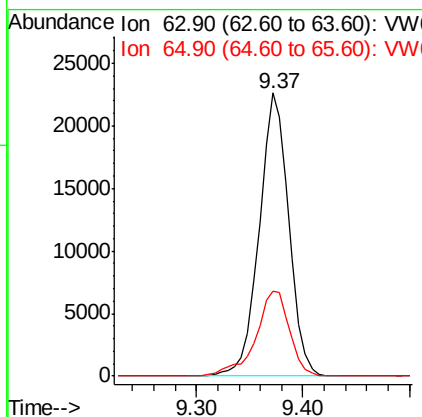
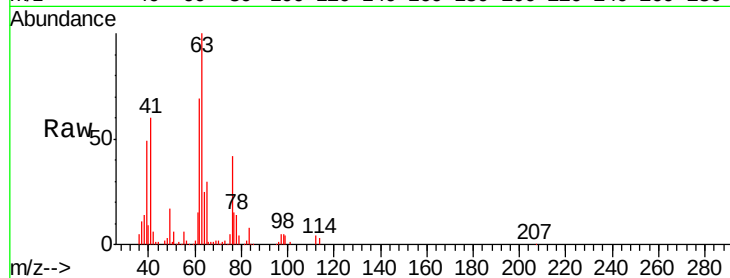
#45
 1,2-Dichloropropane
 Concen: 19.22 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006044.D
 Acq: 12 Oct 2018 12:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBS01

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.3	36.5

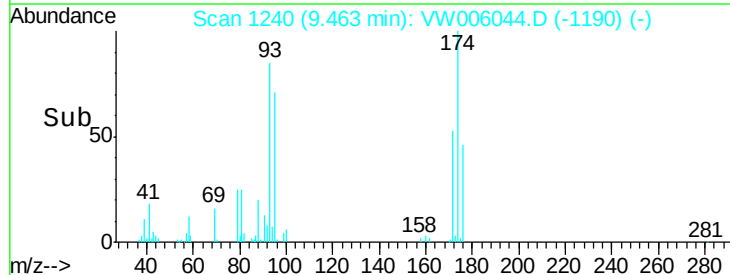
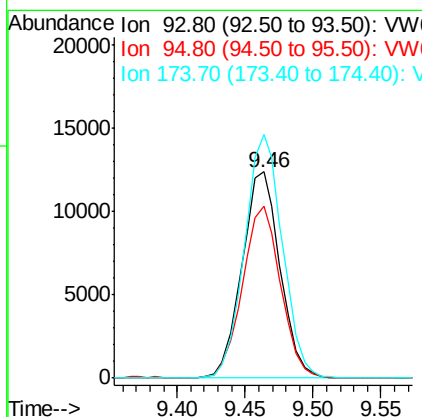
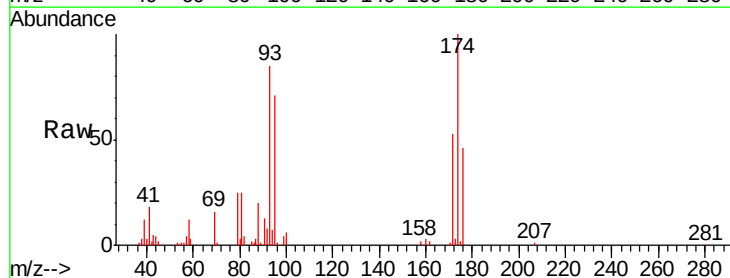
Manual Integrations
 APPROVED

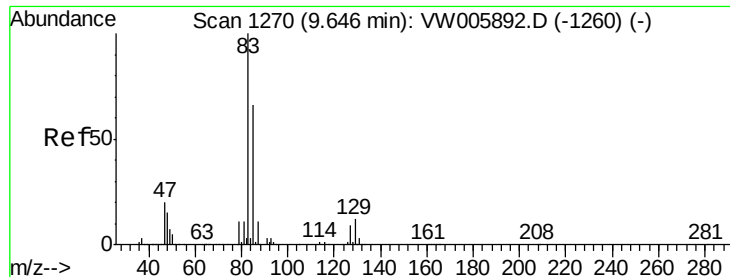
apatel
 10/15/2018 10:03:25 AM



#46
 Dibromomethane
 Concen: 19.28 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.01 min
 Lab File: VW006044.D
 Acq: 12 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	66.6	99.8
174	117.6	90.4	135.6





#47

Bromodichloromethane

Concen: 18.50 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Instrument :

MSVOA_W

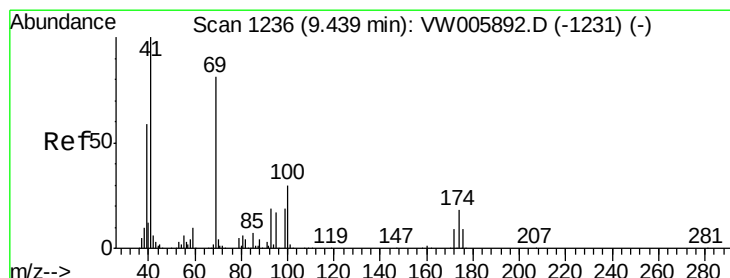
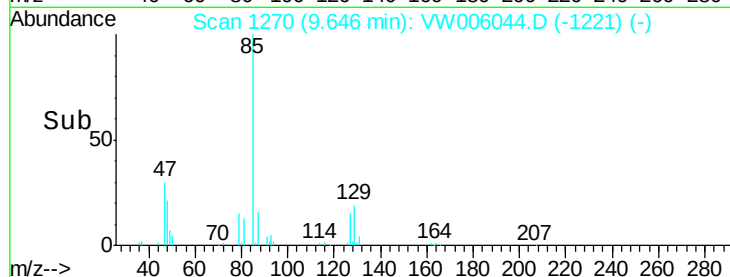
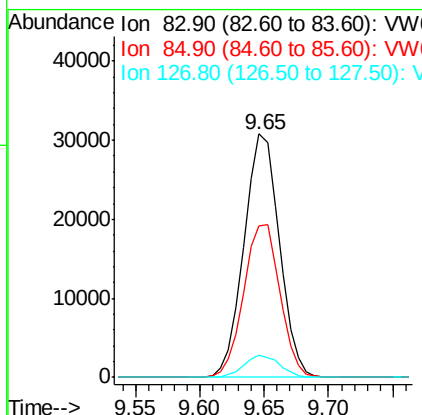
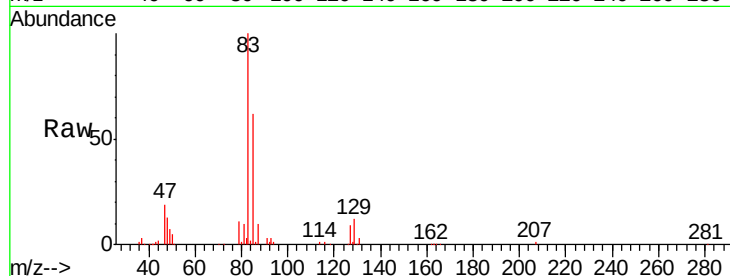
ClientSampleId :

VW1013SBSD01

Tgt Ion:	83	Resp:	58444
Ion	Ratio	Lower	Upper
83	100		
85	62.4	53.0	79.6
127	9.1	7.4	11.0

Manual Integrations
APPROVED

apatel
10/15/2018 10:03:25 AM



#48

Methyl methacrylate

Concen: 16.56 ug/l

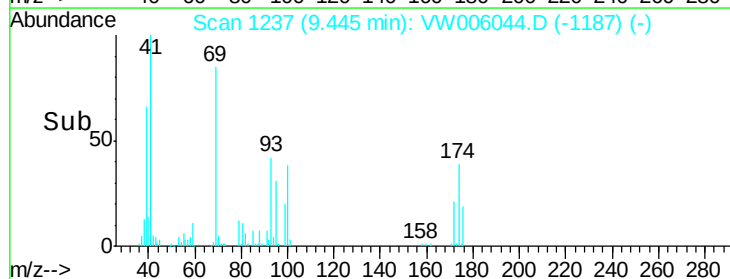
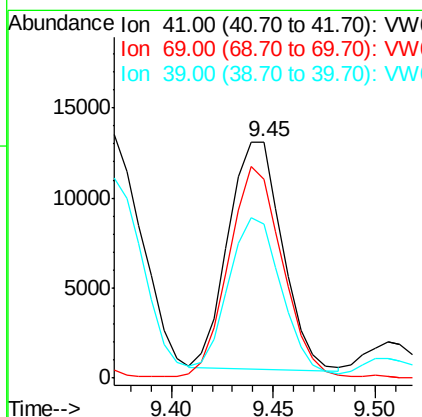
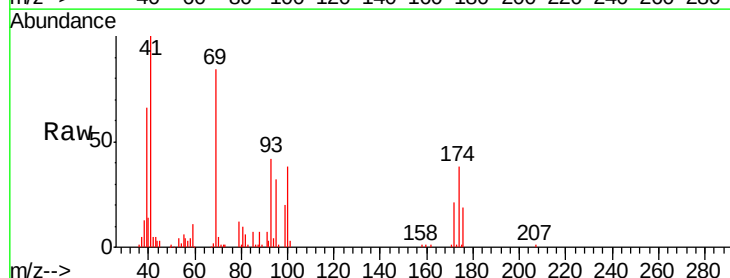
RT: 9.45 min Scan# 1237

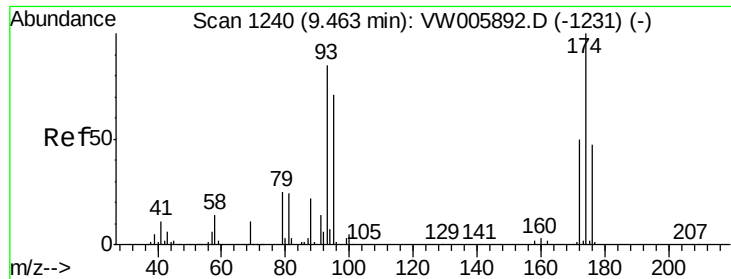
Delta R.T. 0.01 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Tgt Ion:	41	Resp:	23272
Ion	Ratio	Lower	Upper
41	100		
69	93.6	68.7	103.1
39	66.7	50.0	75.0





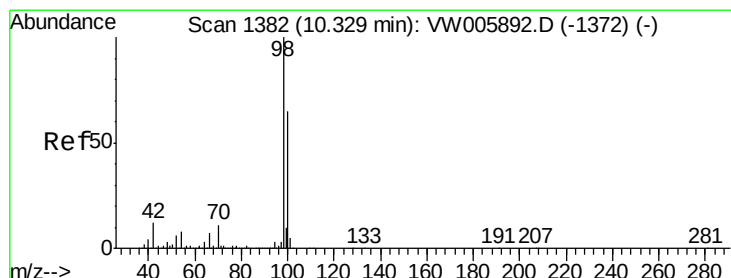
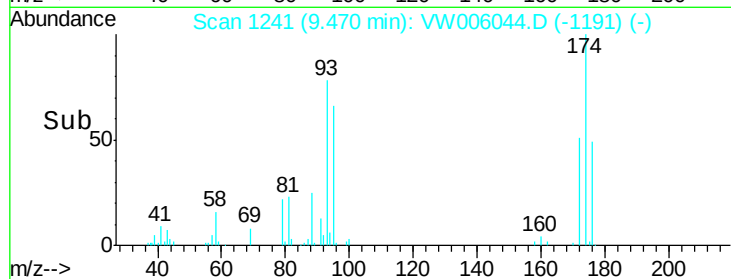
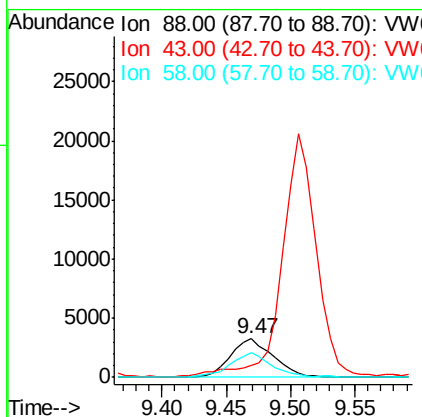
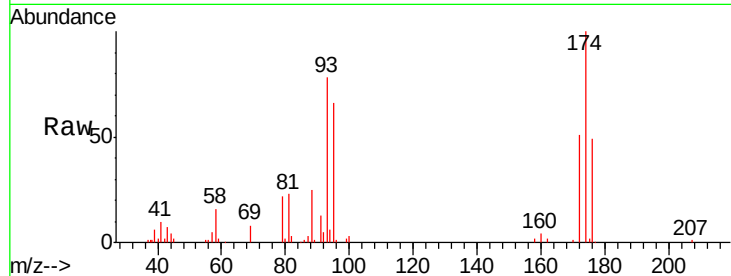
#49
1,4-Dioxane
Concen: 397.45 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VW1013SBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	63.0	57.7	86.5

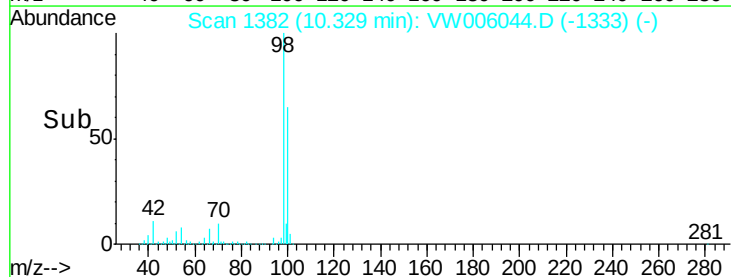
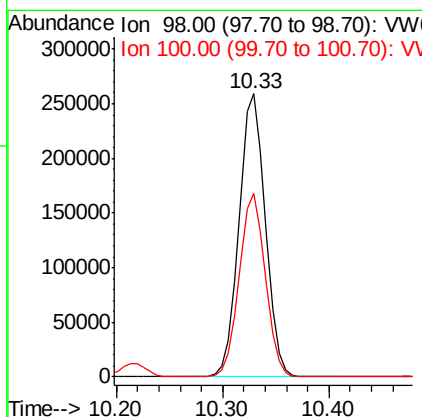
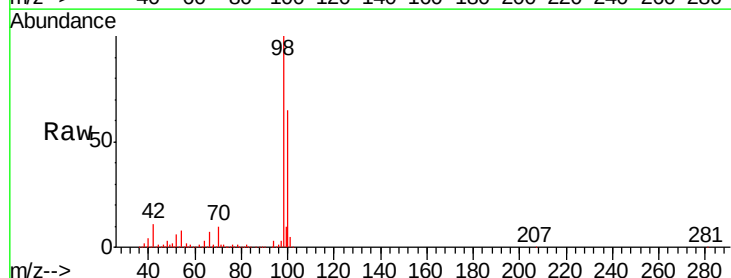
Manual Integrations
APPROVED

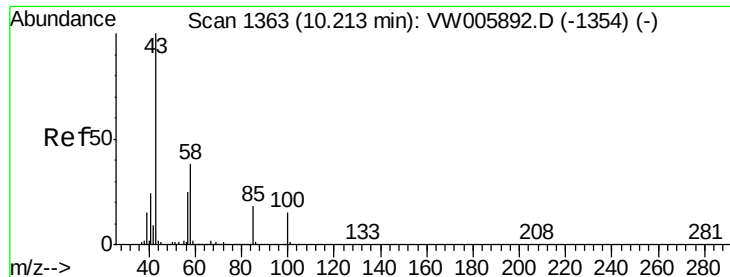
apatel
10/15/2018 10:03:25 AM



#50
Toluene-d8
Concen: 52.56 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.9	77.9





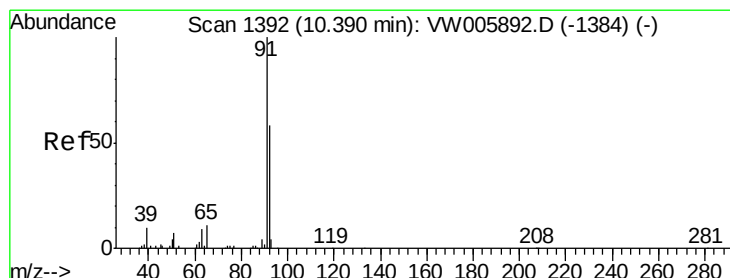
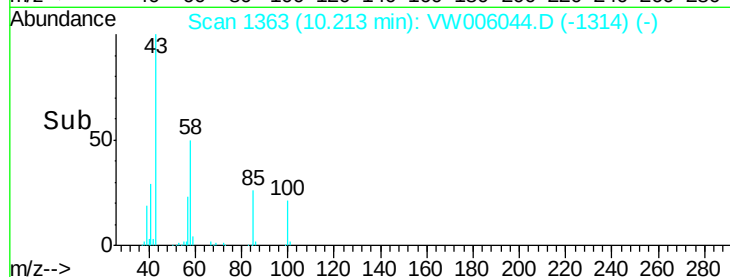
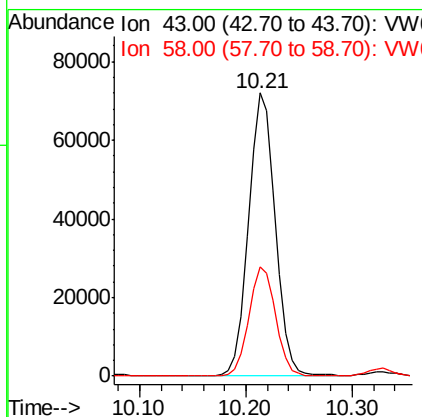
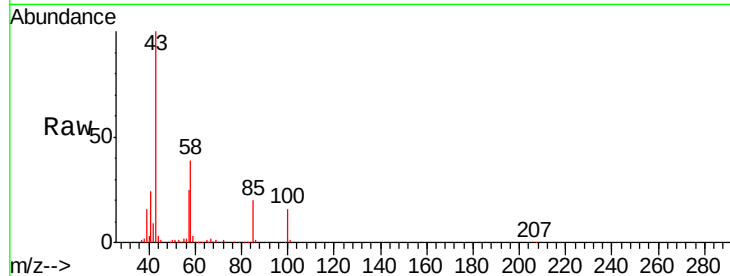
#51
 4-Methyl-2-Pentanone
 Concen: 88.18 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW006044.D
 Acq: 12 Oct 2018 12:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBSD01

Tgt Ion: 43 Resp: 126659
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.2 45.4

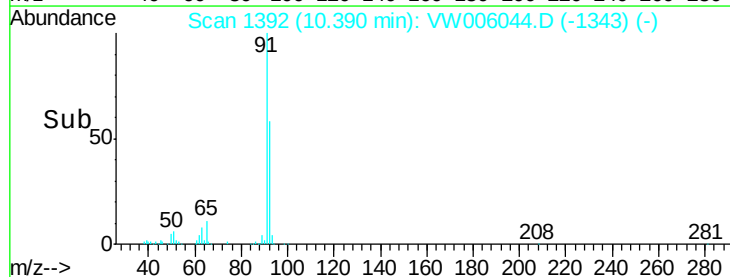
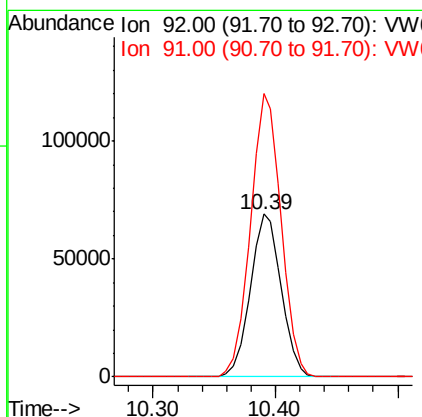
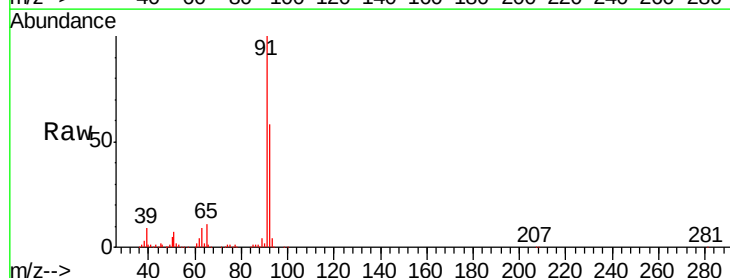
Manual Integrations
 APPROVED

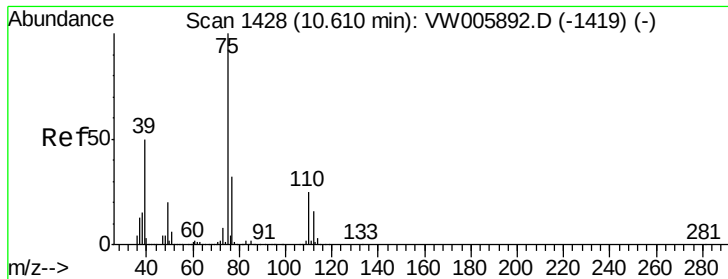
apatel
 10/15/2018 10:03:25 AM



#52
 Toluene
 Concen: 20.21 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW006044.D
 Acq: 12 Oct 2018 12:49

Tgt Ion: 92 Resp: 121189
 Ion Ratio Lower Upper
 92 100
 91 172.5 138.2 207.4





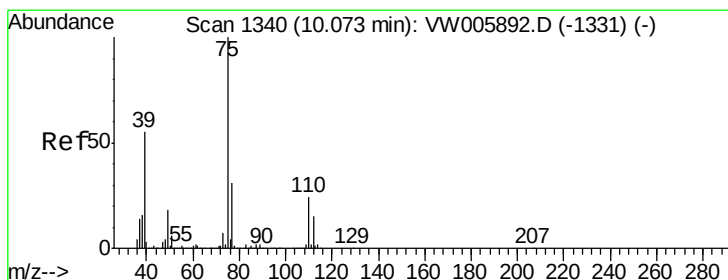
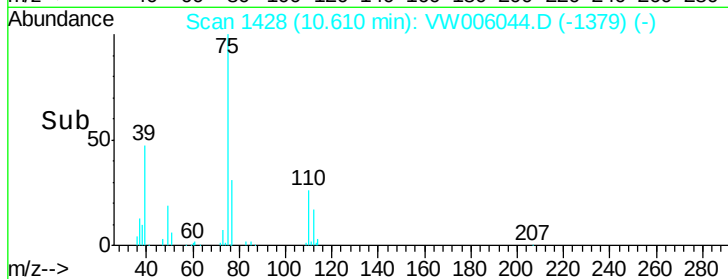
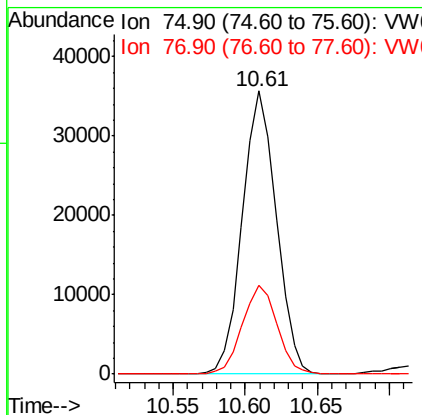
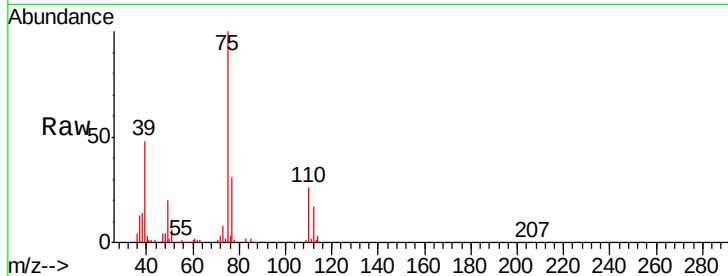
#53
t-1,3-Dichloropropene
Concen: 17.71 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VW1013SBS01

Tgt Ion: 75 Resp: 58480
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2

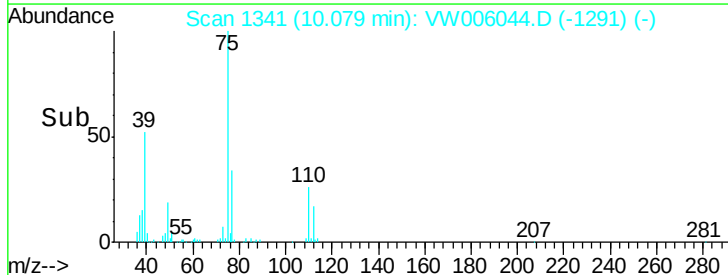
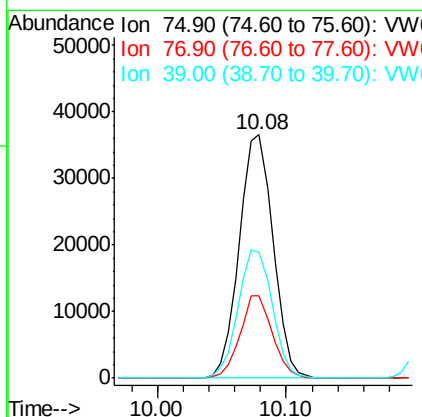
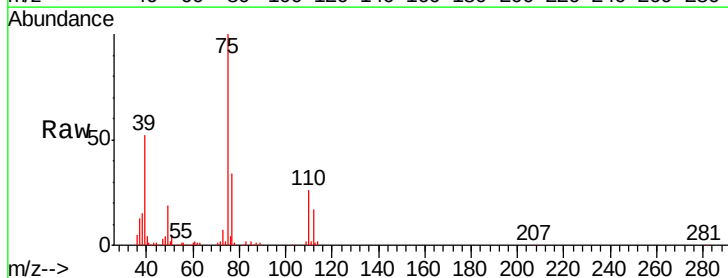
Manual Integrations
APPROVED

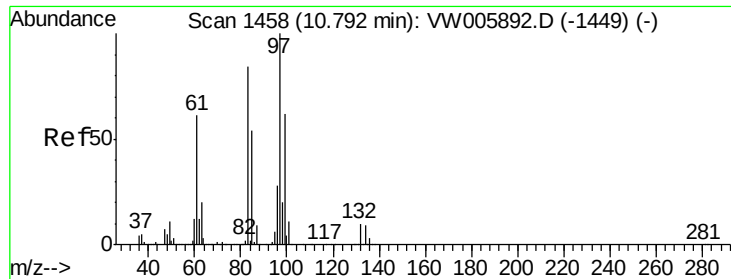
apatel
10/15/2018 10:03:25 AM



#54
cis-1,3-Dichloropropene
Concen: 17.91 ug/l
RT: 10.08 min Scan# 1341
Delta R.T. 0.01 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Tgt Ion: 75 Resp: 66494
Ion Ratio Lower Upper
75 100
77 33.7 24.6 37.0
39 51.7 44.2 66.4





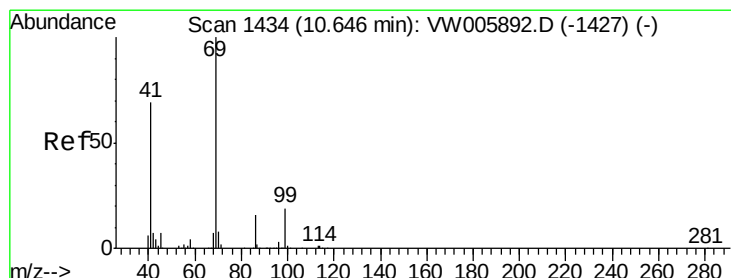
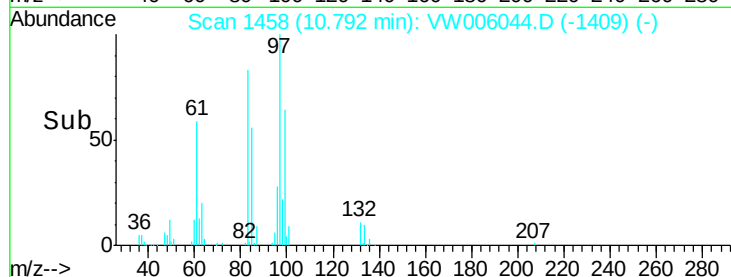
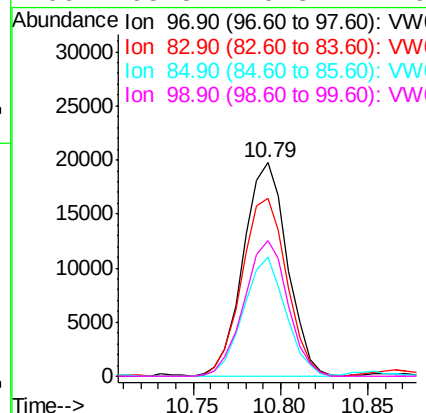
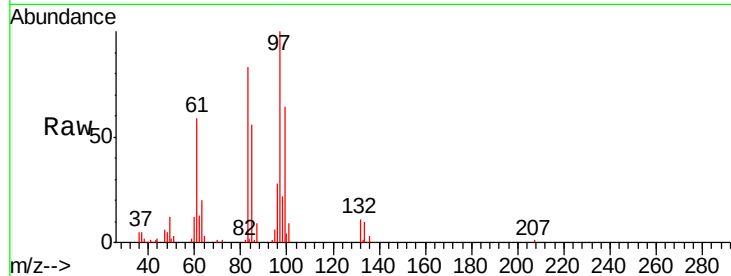
#55
 1,1,2-Trichloroethane
 Concen: 19.84 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW006044.D
 Acq: 12 Oct 2018 12:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBSD01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.1	66.9	100.3
85	55.7	43.4	65.0
99	63.8	49.8	74.6

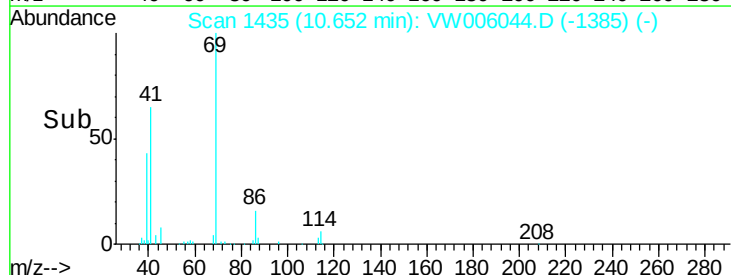
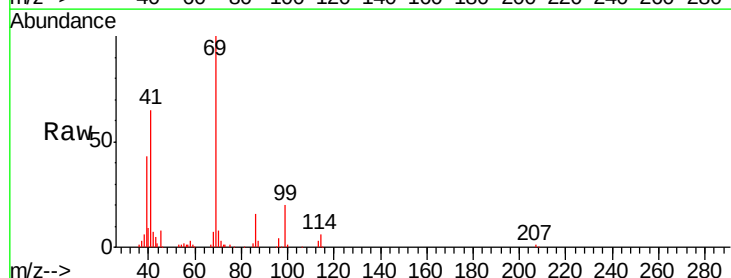
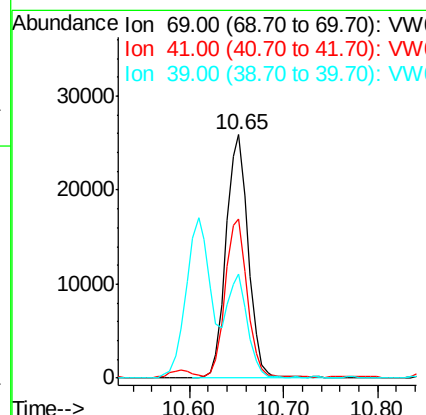
Manual Integrations
 APPROVED

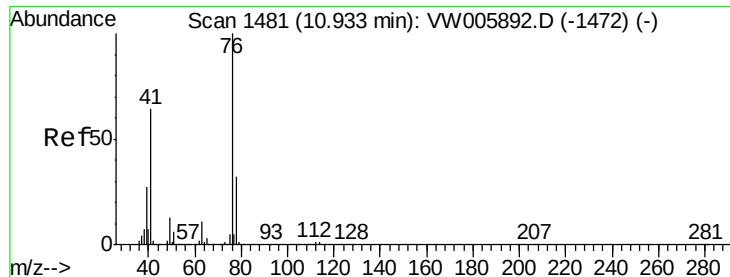
apatel
 10/15/2018 10:03:25 AM



#56
 Ethyl methacrylate
 Concen: 18.12 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VW006044.D
 Acq: 12 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.7	56.0	84.0
39	36.9	33.5	50.3





#57

1,3-Dichloropropane

Concen: 19.76 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. 0.01 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBSD01

Tgt Ion: 76 Resp: 57816

Ion Ratio Lower Upper

76 100

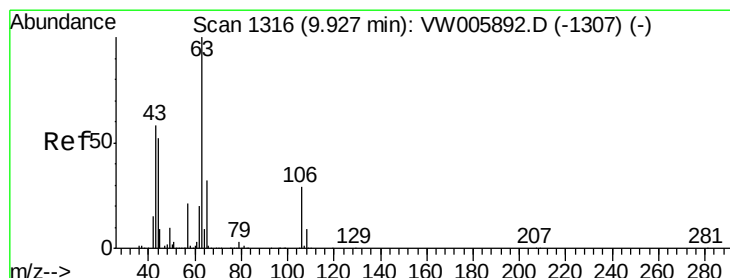
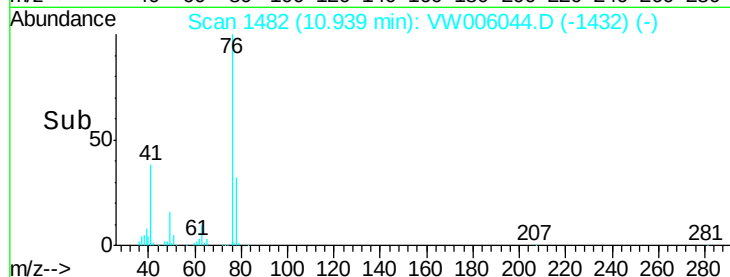
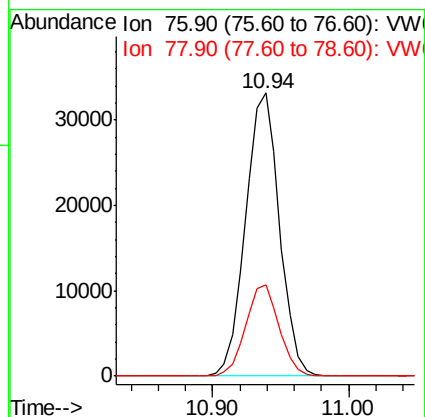
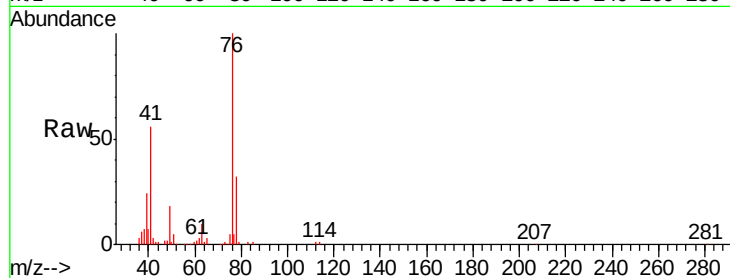
78 31.9 25.8 38.6

Manual Integrations

APPROVED

apatel

10/15/2018 10:03:25 AM



#58

2-Chloroethyl Vinyl ether

Concen: 97.12 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW006044.D

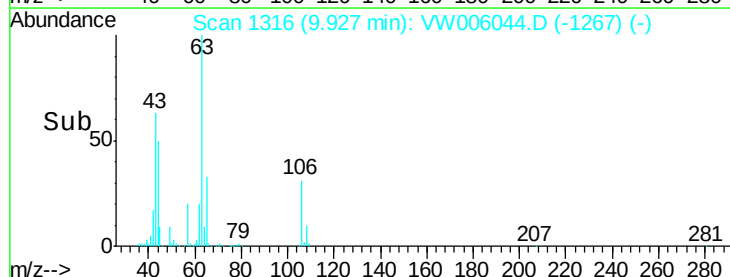
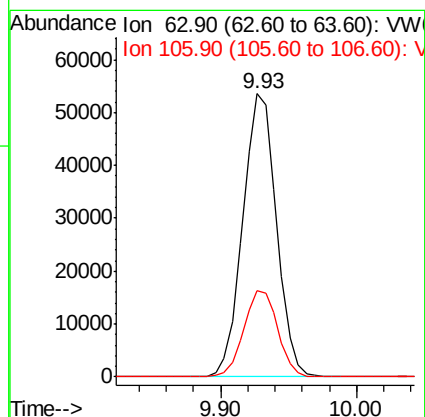
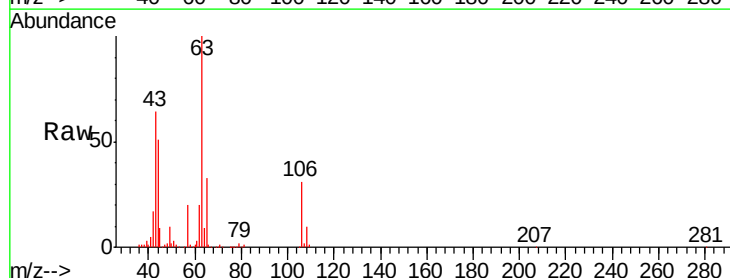
Acq: 12 Oct 2018 12:49

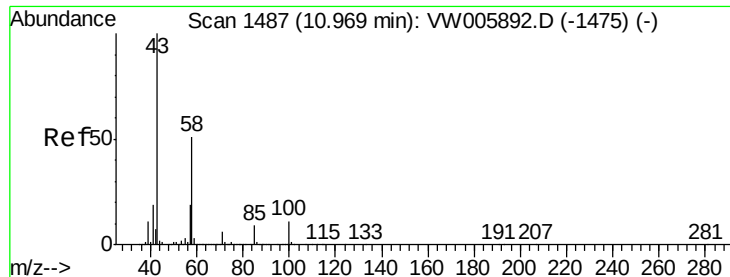
Tgt Ion: 63 Resp: 92630

Ion Ratio Lower Upper

63 100

106 30.8 23.6 35.4





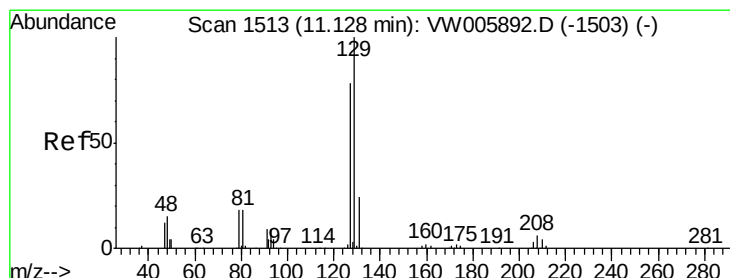
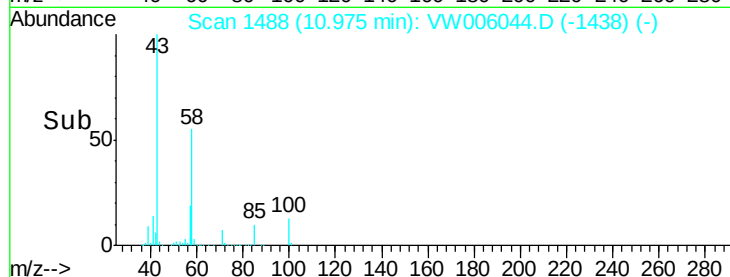
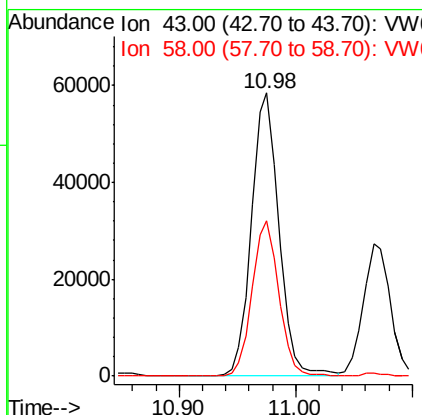
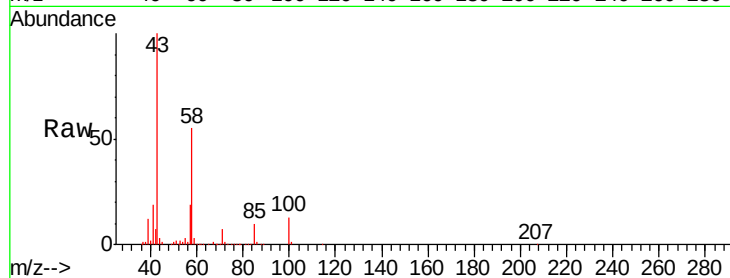
#59
2-Hexanone
Concen: 93.40 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VW1013SBS01

Tgt Ion: 43 Resp: 96193
Ion Ratio Lower Upper
43 100
58 53.7 25.7 77.1

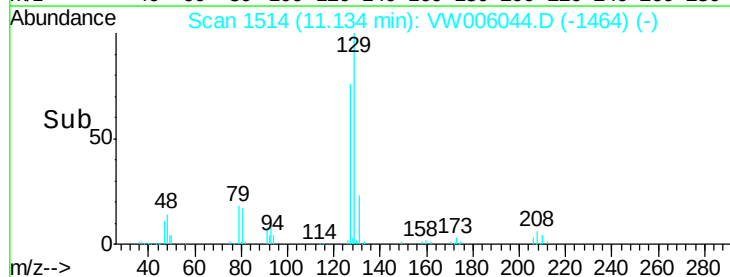
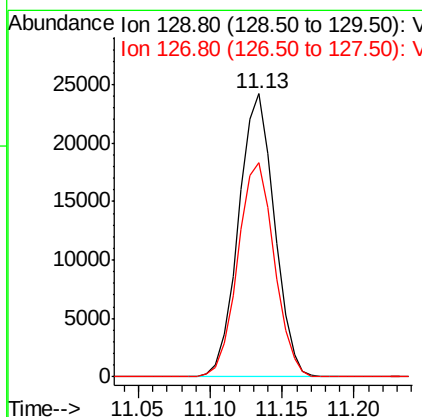
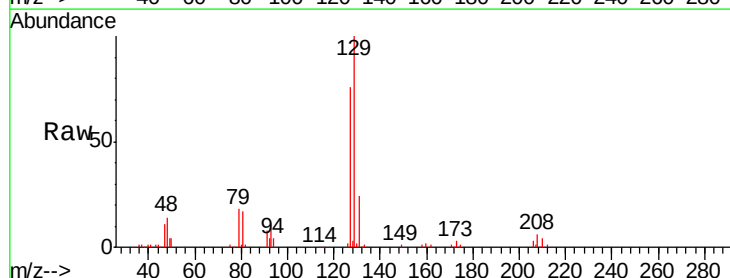
Manual Integrations
APPROVED

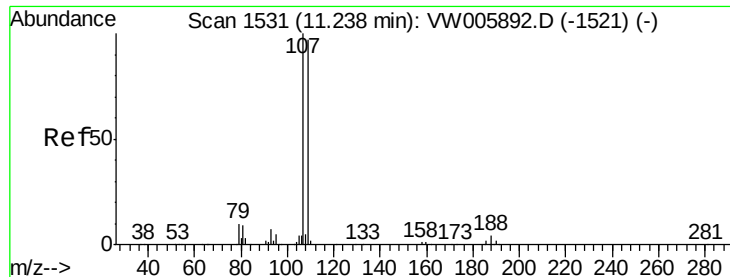
apatel
10/15/2018 10:03:25 AM



#60
Dibromochloromethane
Concen: 18.61 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Tgt Ion: 129 Resp: 41759
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





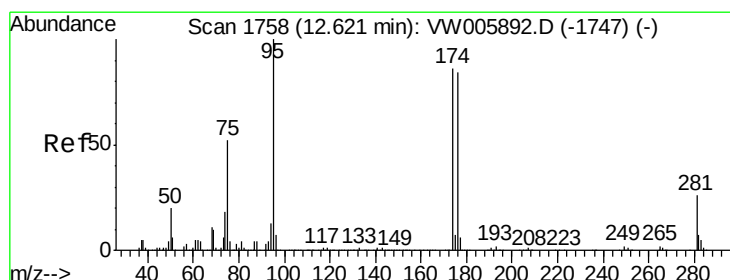
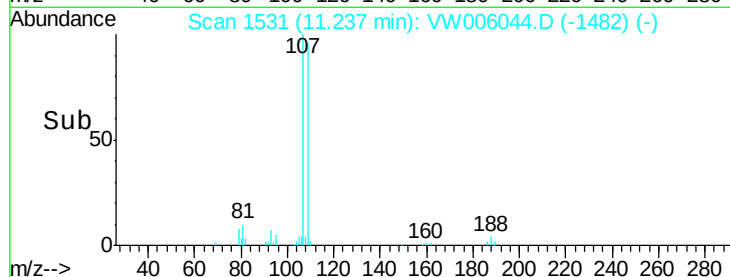
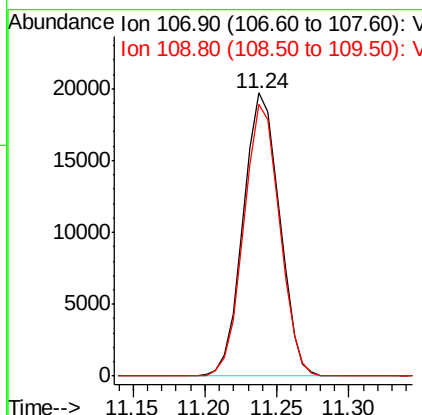
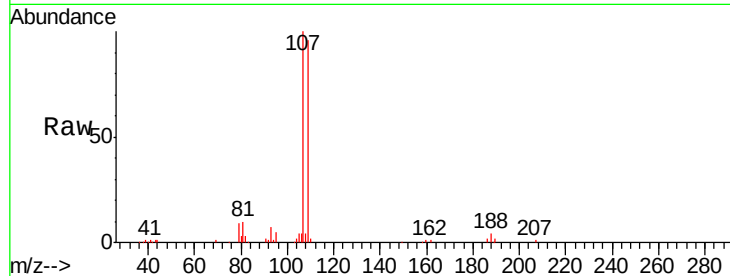
#61
1,2-Dibromoethane
Concen: 19.81 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VW1013SBSD01

Tgt Ion: 107 Resp: 34423
Ion Ratio Lower Upper
107 100
109 94.7 75.8 113.8

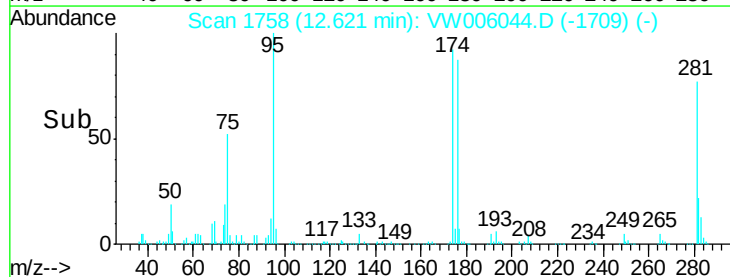
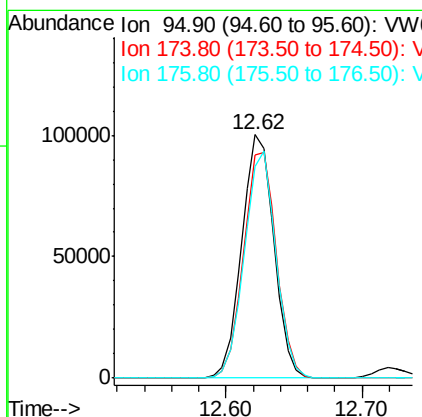
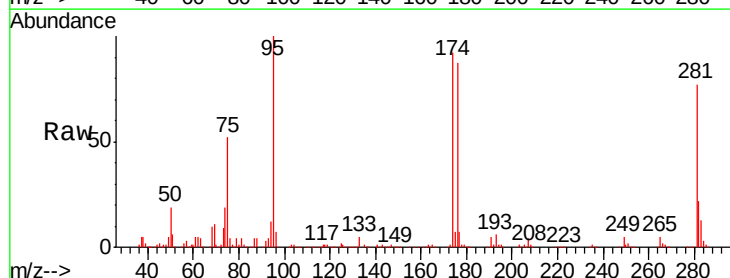
Manual Integrations
APPROVED

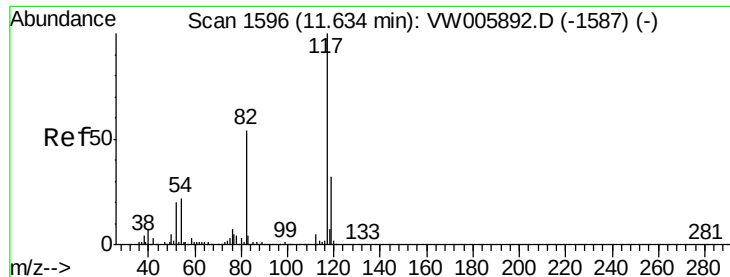
apatel
10/15/2018 10:03:25 AM



#62
4-Bromofluorobenzene
Concen: 51.02 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Tgt Ion: 95 Resp: 165941
Ion Ratio Lower Upper
95 100
174 94.5 0.0 176.4
176 91.6 0.0 173.0





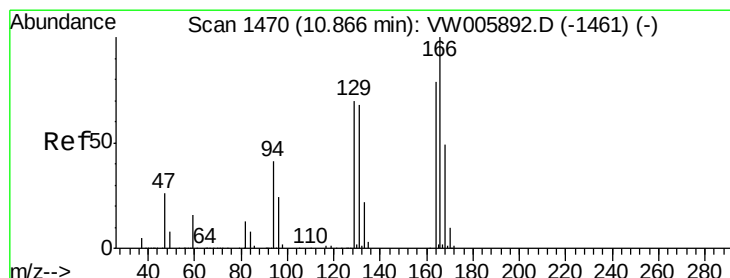
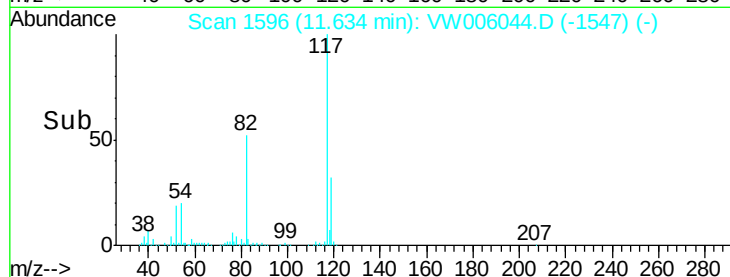
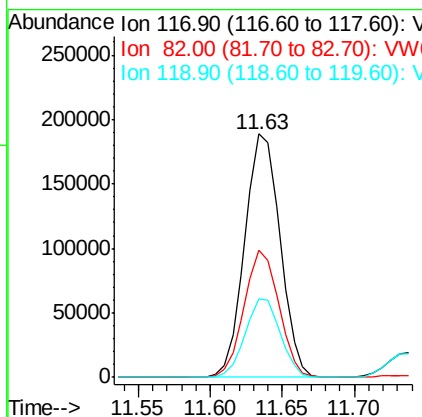
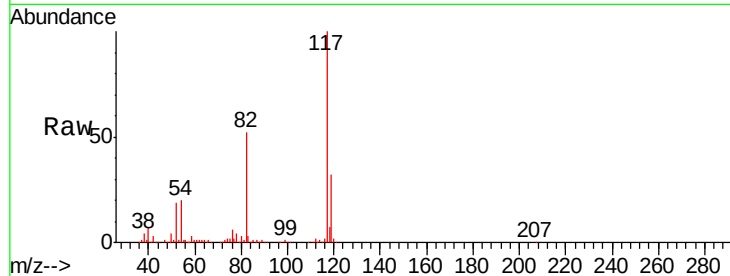
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VW1013SBSD01

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	52.5	43.5	65.3
119	32.0	25.4	38.2

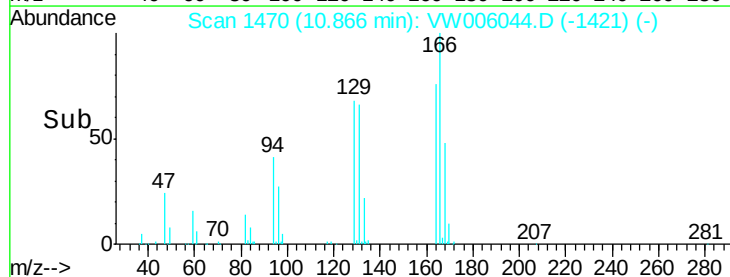
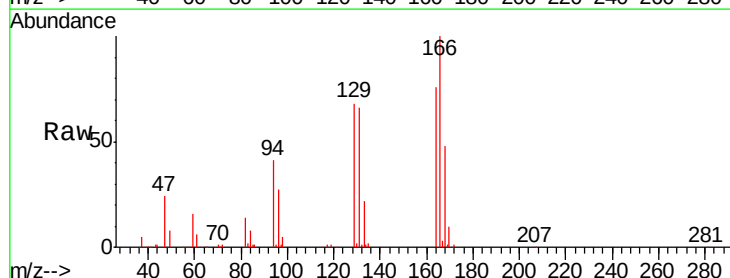
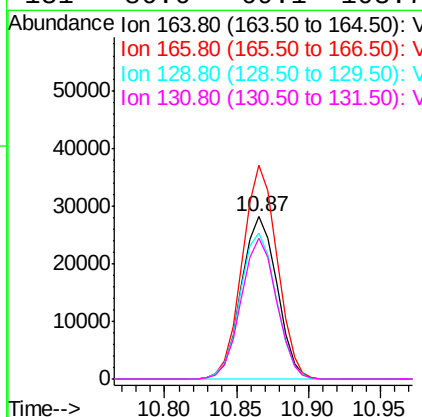
Manual Integrations
APPROVED

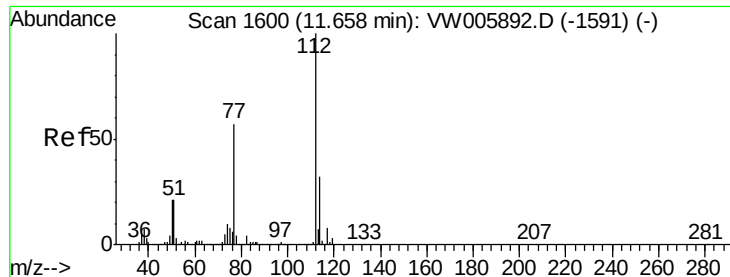
apatel
10/15/2018 10:03:25 AM



#64
Tetrachloroethene
Concen: 20.23 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	131.5	101.5	152.3
129	89.5	71.1	106.7
131	86.6	69.1	103.7





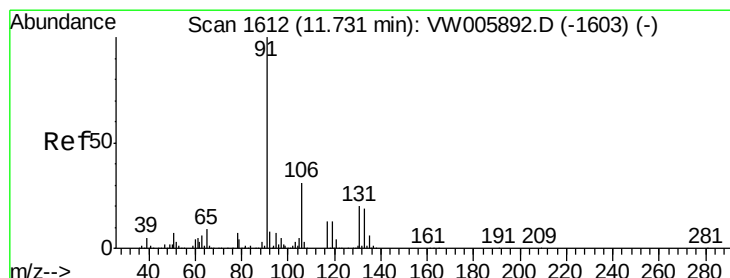
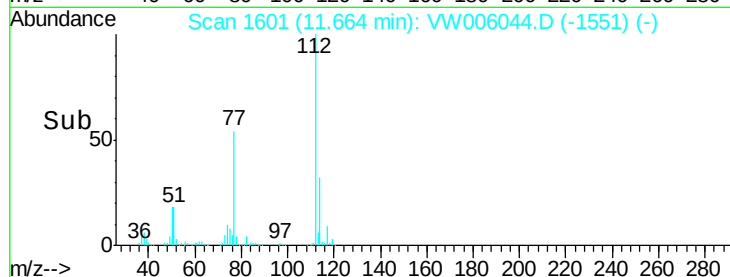
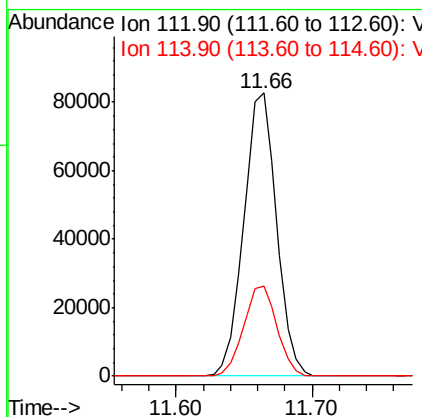
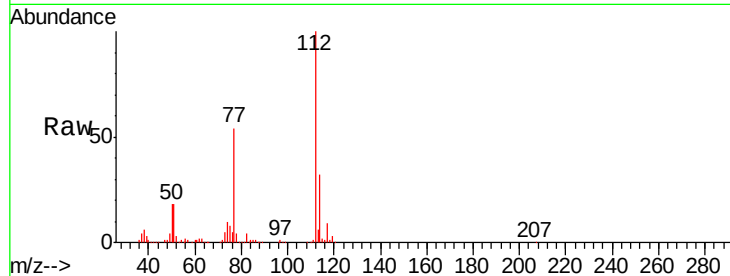
#65
Chlorobenzene
Concen: 20.34 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VW1013SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	139817		
114	31.8	25.6	38.4	

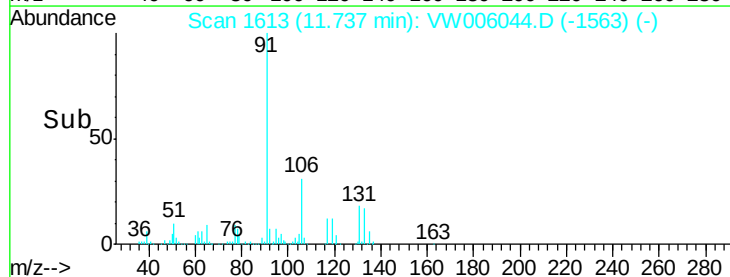
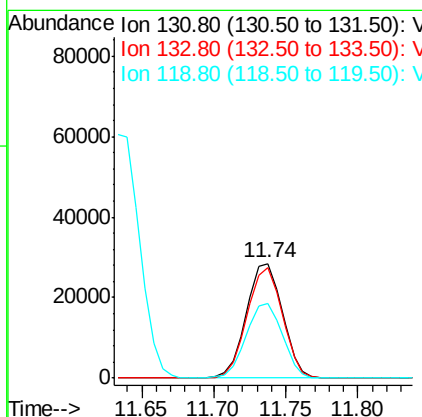
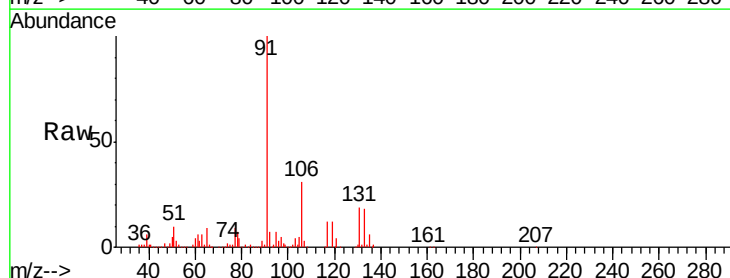
Manual Integrations
APPROVED

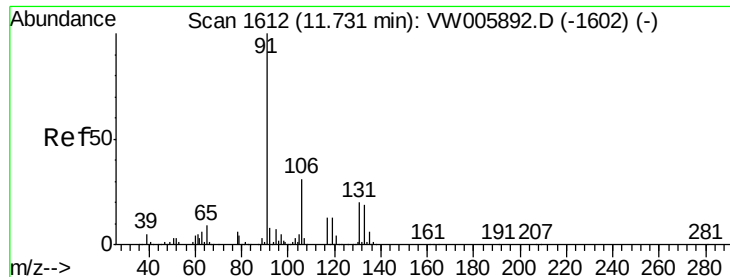
apatel
10/15/2018 10:03:25 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.61 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	49395		
133	94.3	48.2	144.6	
119	65.4	32.5	97.5	





#67

Ethyl Benzene

Concen: 19.95 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. 0.01 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBSD01

Tgt Ion: 91 Resp: 242197

Ion Ratio Lower Upper

91 100

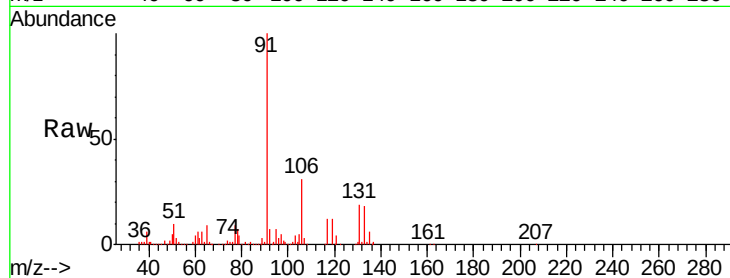
106 31.2 25.0 37.6

Manual Integrations

APPROVED

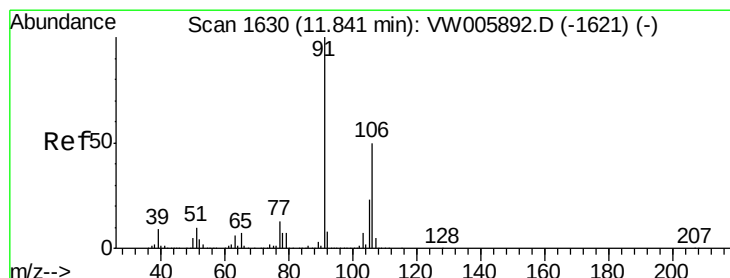
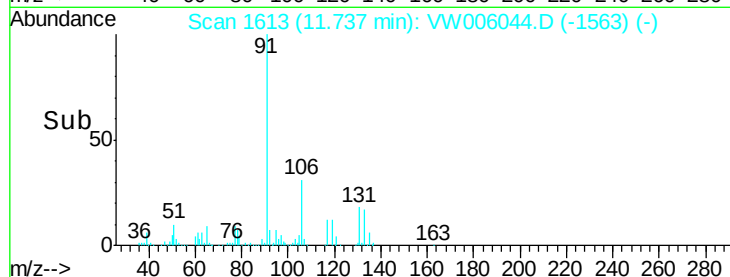
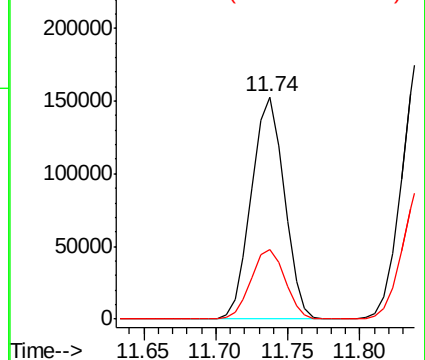
apatel

10/15/2018 10:03:25 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 40.03 ug/l

RT: 11.85 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VW006044.D

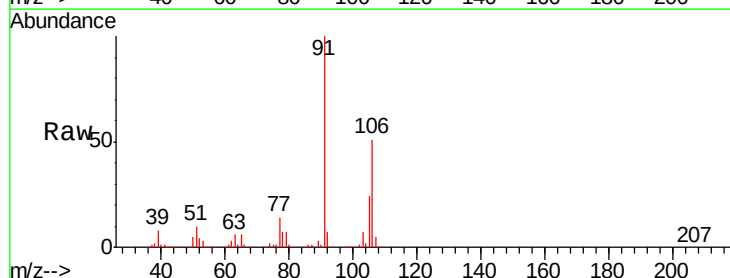
Acq: 12 Oct 2018 12:49

Tgt Ion: 106 Resp: 189912

Ion Ratio Lower Upper

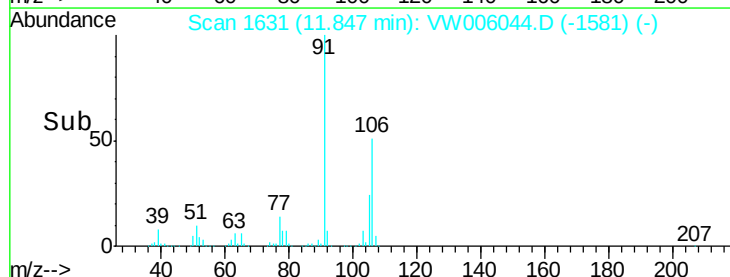
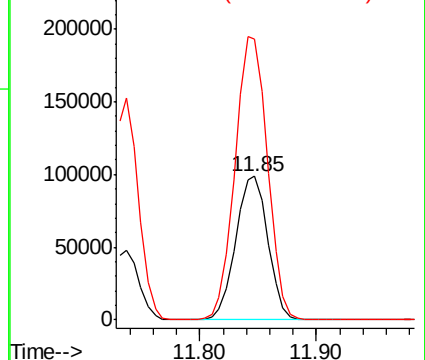
106 100

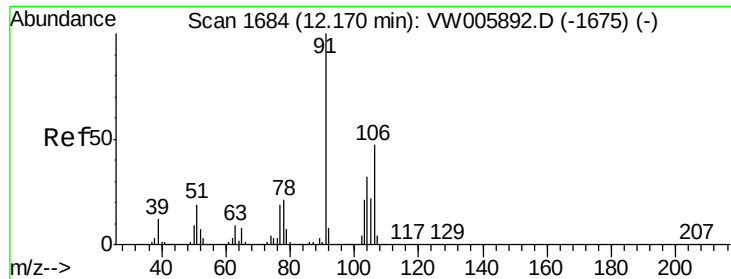
91 199.0 160.2 240.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





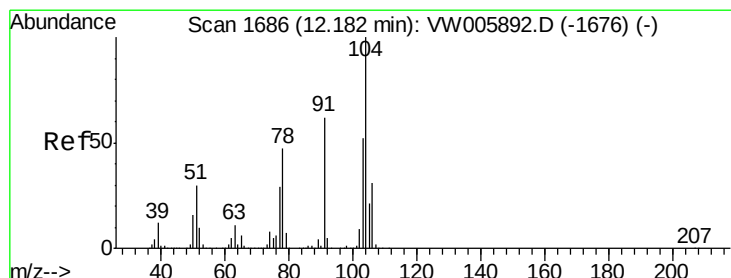
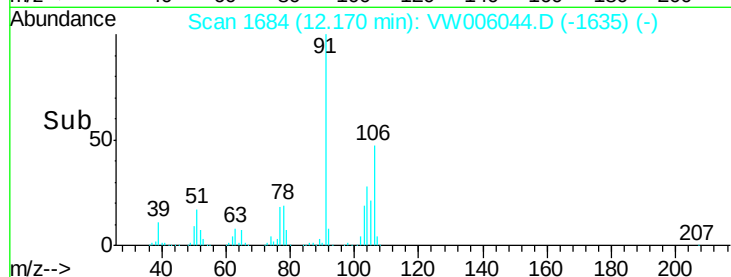
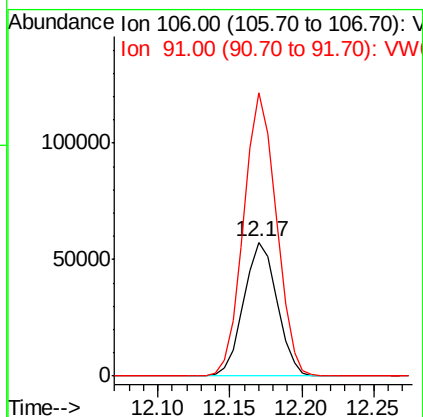
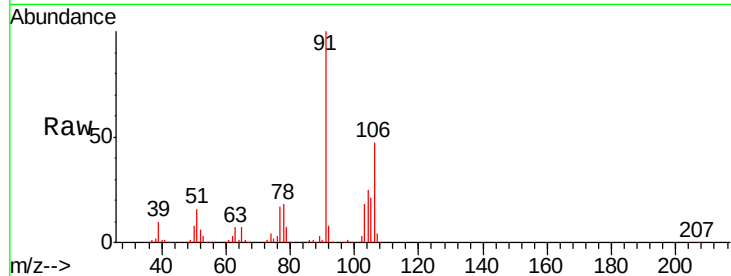
#69
o-Xylene
Concen: 20.22 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VW1013SBSD01

Tgt Ion:106 Resp: 91812
Ion Ratio Lower Upper
106 100
91 208.4 106.2 318.5

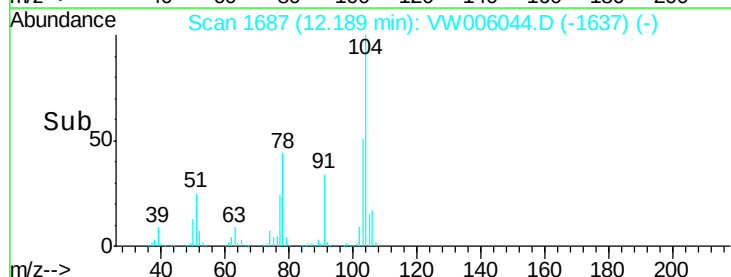
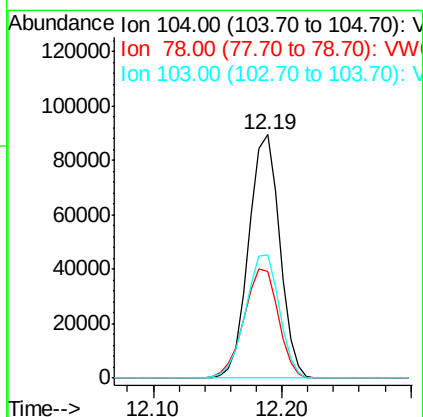
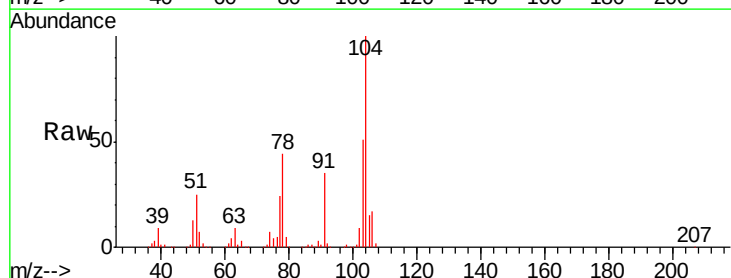
Manual Integrations
APPROVED

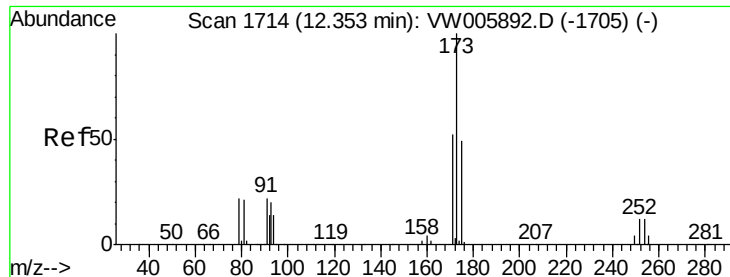
apatel
10/15/2018 10:03:25 AM



#70
Styrene
Concen: 19.69 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Tgt Ion:104 Resp: 148411
Ion Ratio Lower Upper
104 100
78 49.7 40.4 60.6
103 55.4 44.2 66.2





#71

Bromoform

Concen: 17.40 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBS01

Tgt Ion:173 Resp: 26113
Ion Ratio Lower Upper

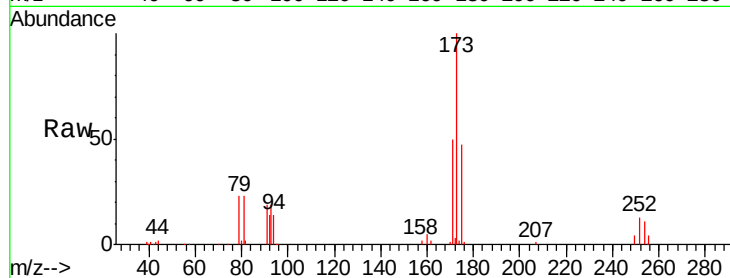
173 100

175 47.5 24.7 74.1

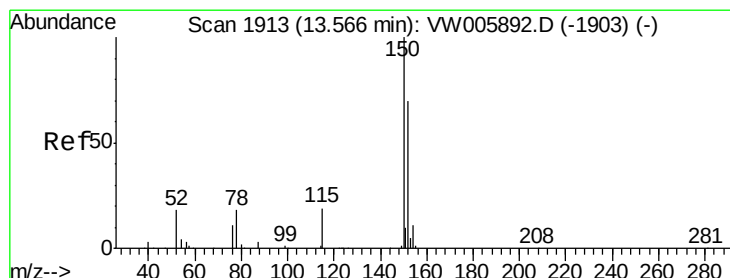
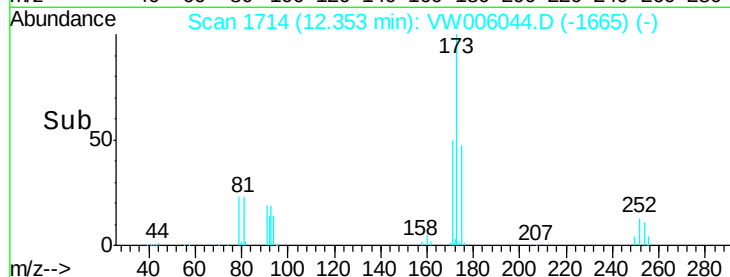
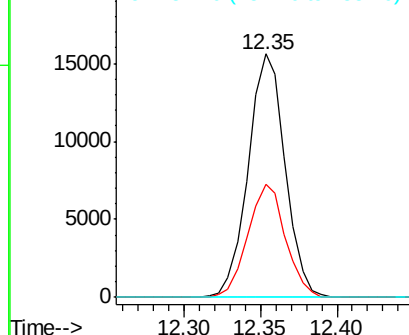
254 0.1 0.2 0.2#

Manual Integrations
APPROVED

apatel
10/15/2018 10:03:25 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006044.D

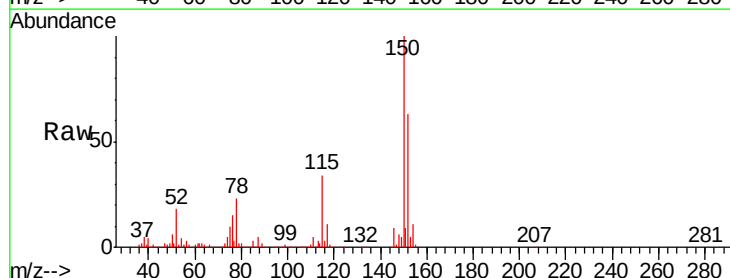
Acq: 12 Oct 2018 12:49

Tgt Ion:152 Resp: 180186
Ion Ratio Lower Upper

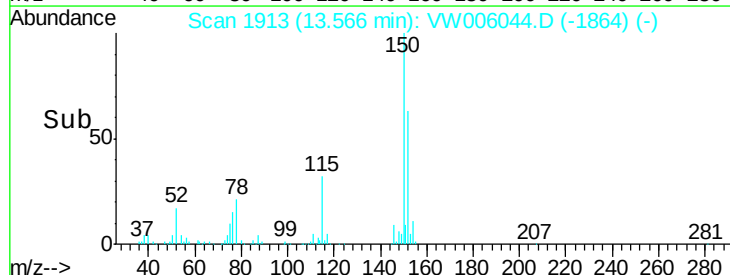
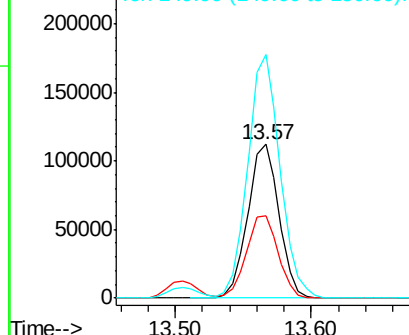
152 100

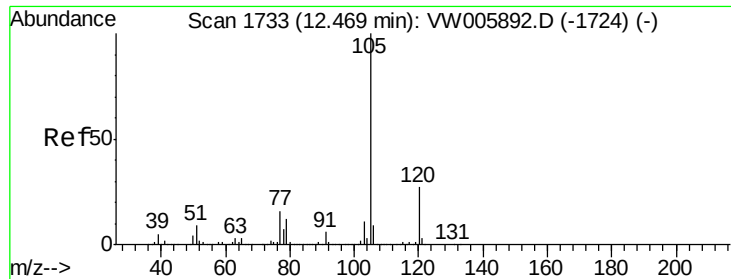
115 54.8 28.3 85.0

150 163.7 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.59 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBS01

Tgt Ion: 105 Resp: 257754

Ion Ratio Lower Upper

105 100

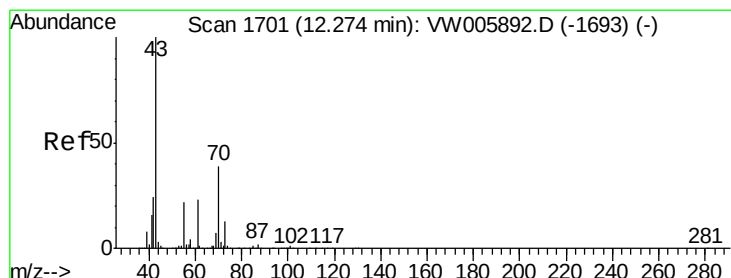
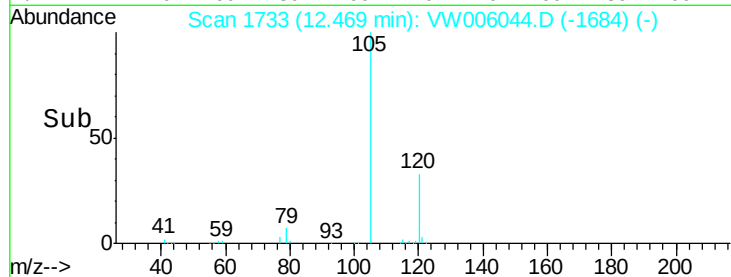
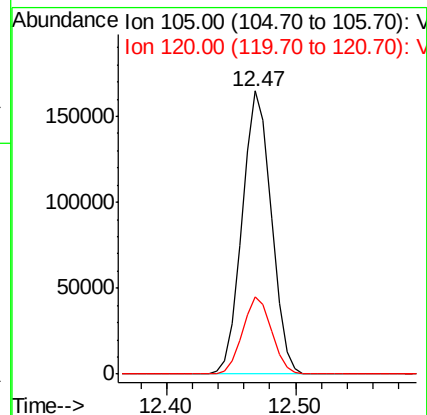
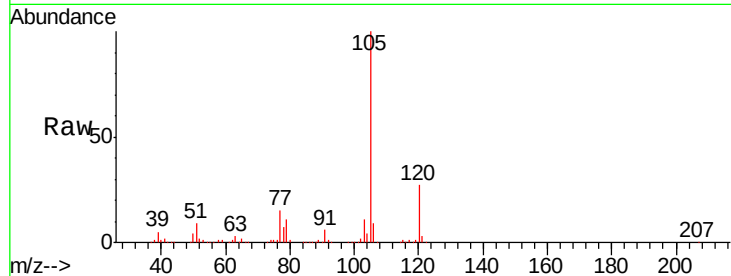
120 27.1 13.6 40.8

Manual Integrations

APPROVED

apatel

10/15/2018 10:03:25 AM



#74

N-ethyl acetate

Concen: 16.08 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Tgt Ion: 43 Resp: 50264

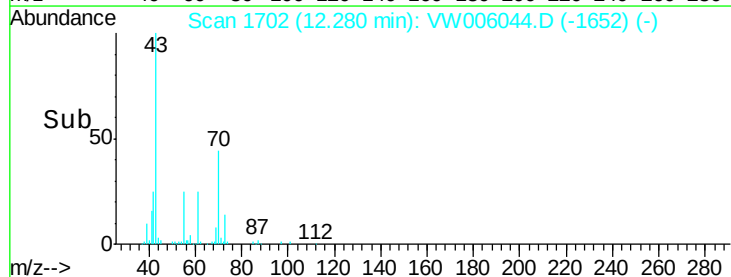
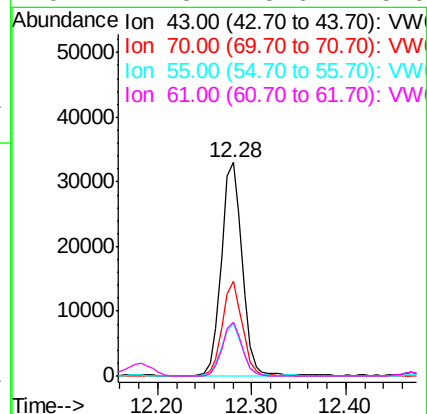
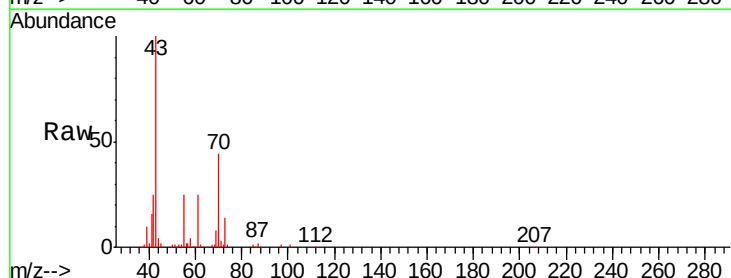
Ion Ratio Lower Upper

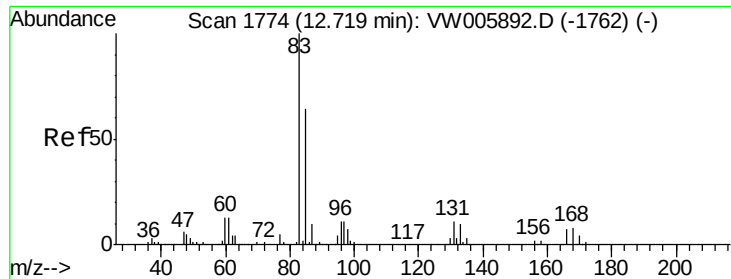
43 100

70 42.7 31.6 47.4

55 24.2 17.9 26.9

61 24.3 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.53 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Instrument :

MSVOA_W

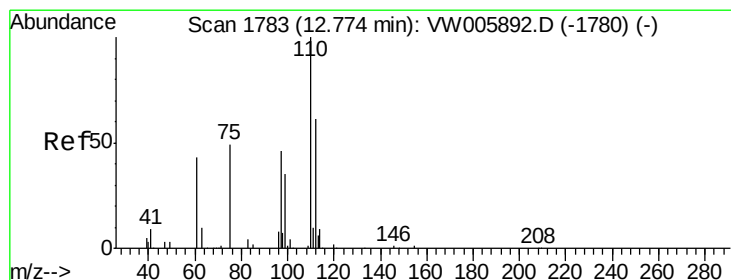
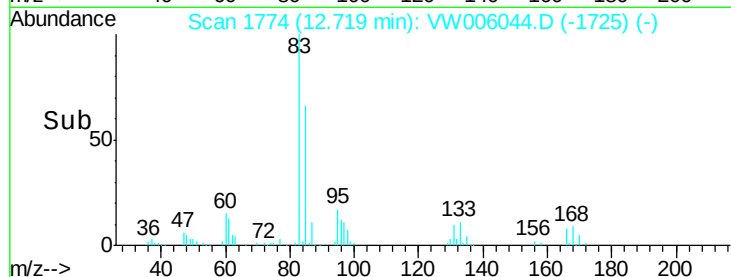
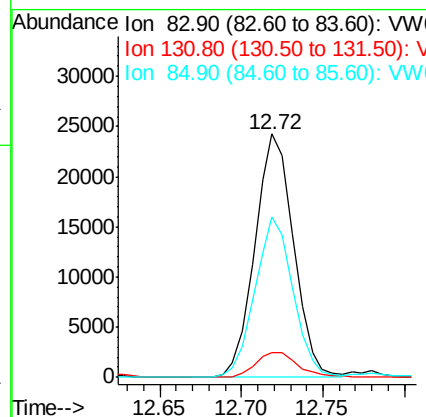
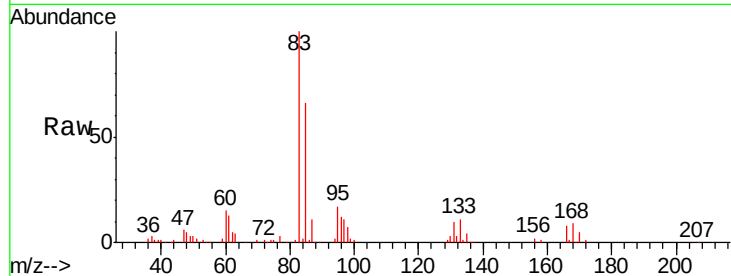
ClientSampleId :

VW1013SBSD01

Tgt Ion:	83	Resp:	39969
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.8	17.3
85	64.6	32.4	97.0

Manual Integrations
APPROVED

apatel
10/15/2018 10:03:25 AM



#76

1,2,3-Trichloropropane

Concen: 16.69 ug/l m

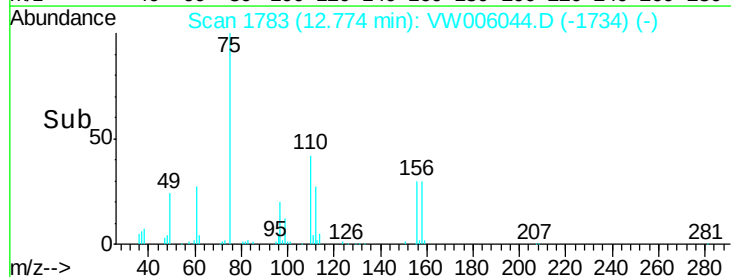
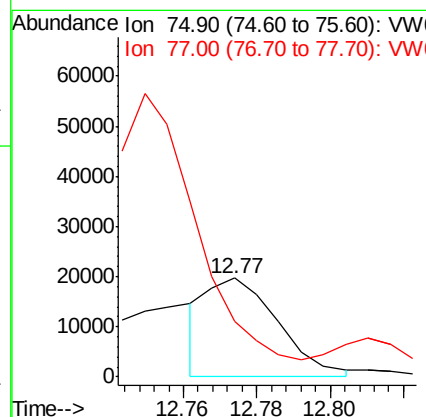
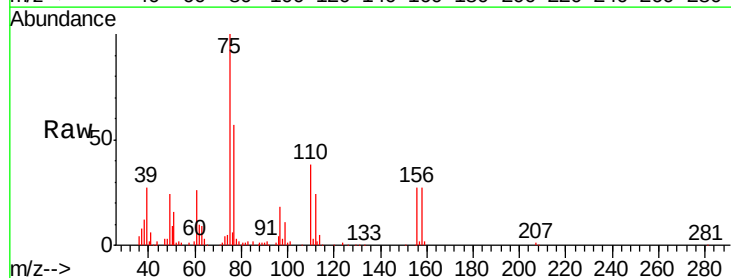
RT: 12.77 min Scan# 1783

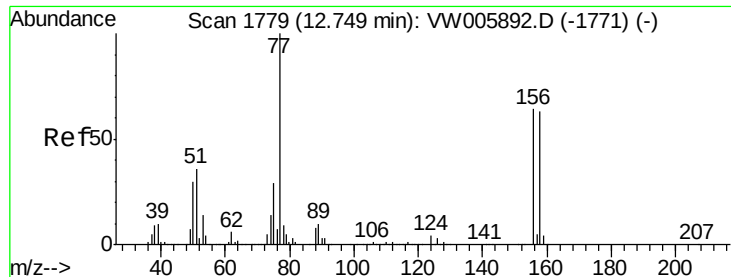
Delta R.T. -0.00 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Tgt Ion:	75	Resp:	26858
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.24 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Instrument :

MSVOA_W

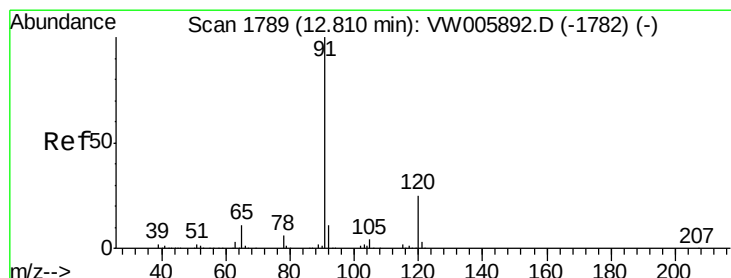
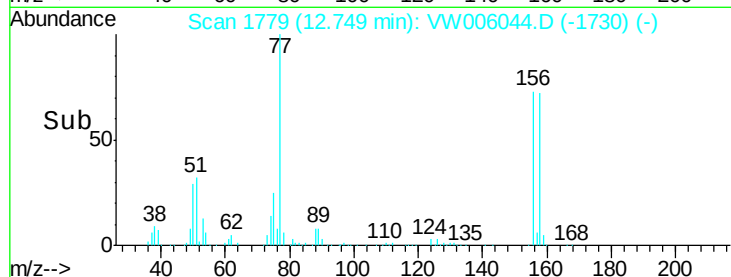
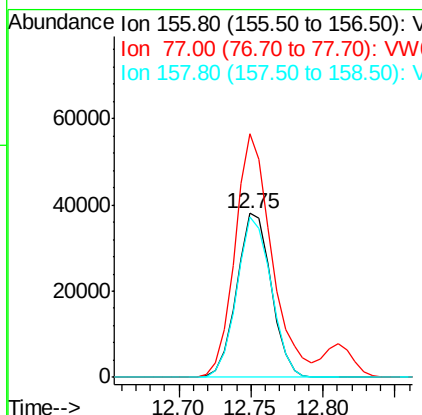
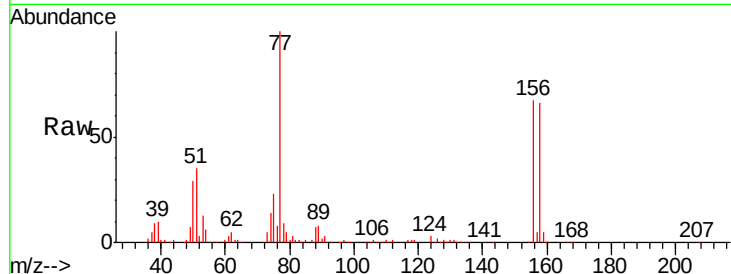
ClientSampleId :

VW1013SBSD01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	159.2	85.8	257.4
158	97.1	49.1	147.4

Manual Integrations
APPROVED

apatel
10/15/2018 10:03:25 AM



#78

n-propylbenzene

Concen: 19.54 ug/l

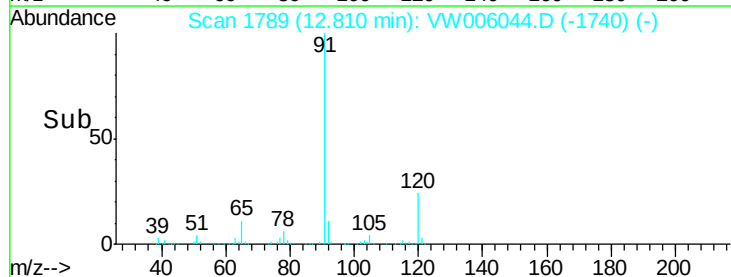
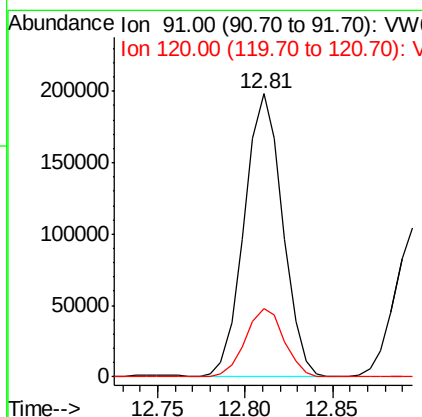
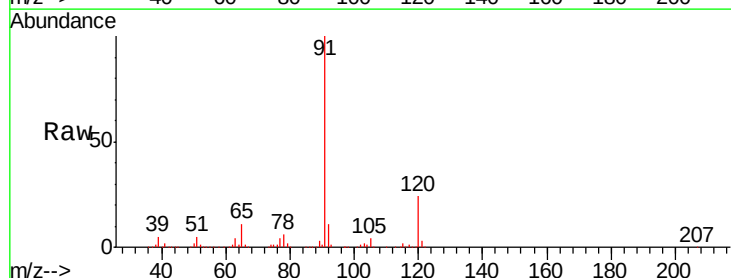
RT: 12.81 min Scan# 1789

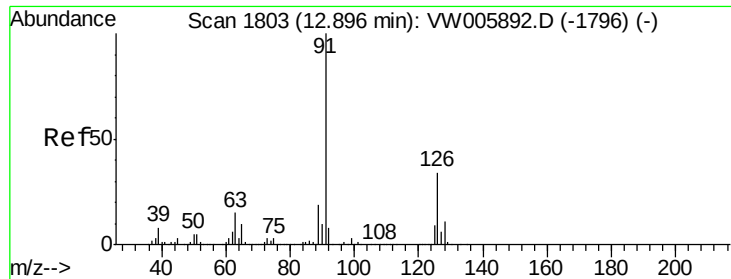
Delta R.T. -0.00 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.0	36.0





#79

2-Chlorotoluene

Concen: 19.36 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Instrument :

MSVOA_W

ClientSampled :

VW1013SBSD01

Tgt Ion: 91 Resp: 169209

Ion Ratio Lower Upper

91 100

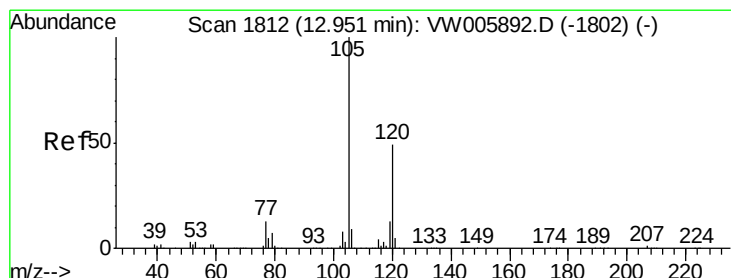
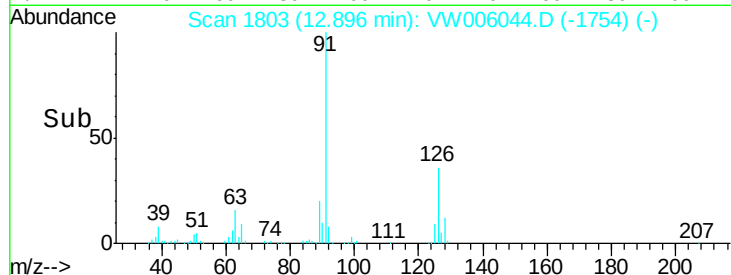
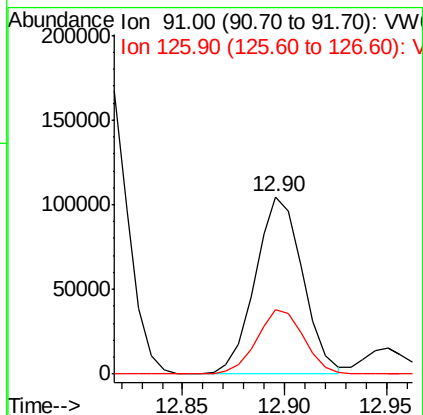
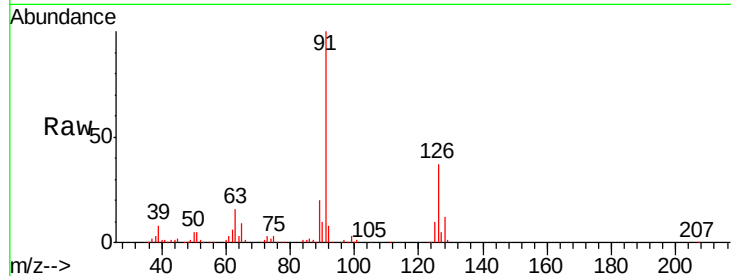
126 36.5 17.5 52.5

Manual Integrations

APPROVED

apatel

10/15/2018 10:03:25 AM



#80

1,3,5-Trimethylbenzene

Concen: 19.79 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006044.D

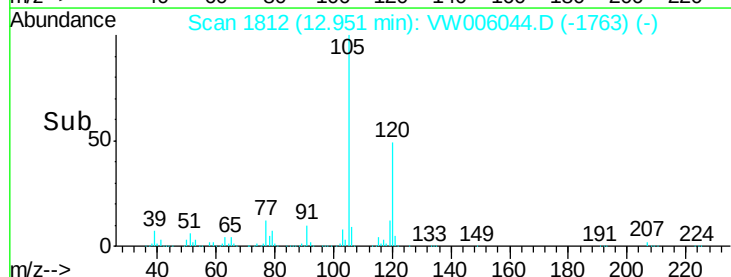
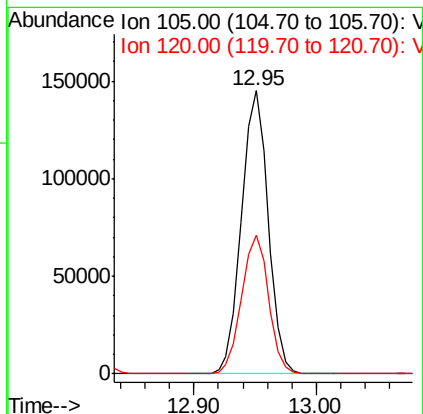
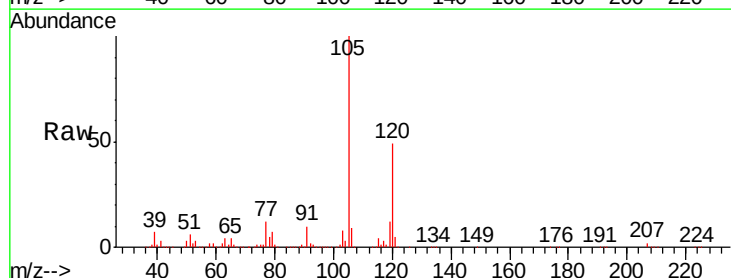
Acq: 12 Oct 2018 12:49

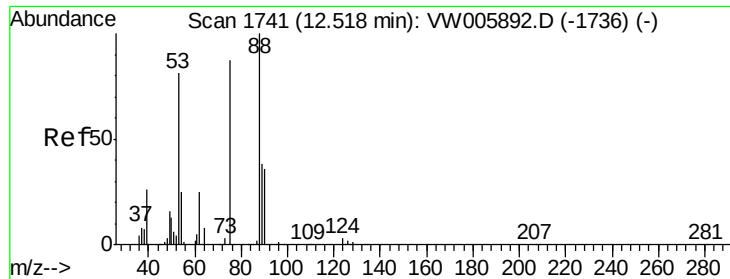
Tgt Ion: 105 Resp: 219813

Ion Ratio Lower Upper

105 100

120 49.5 24.6 73.8





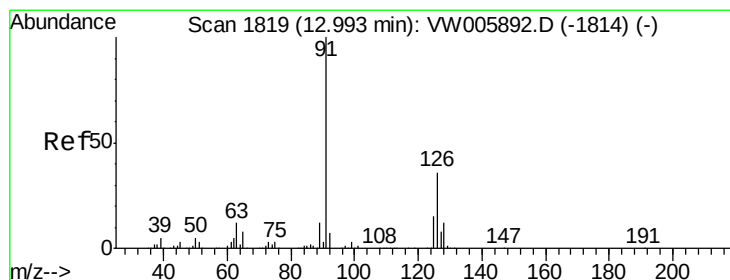
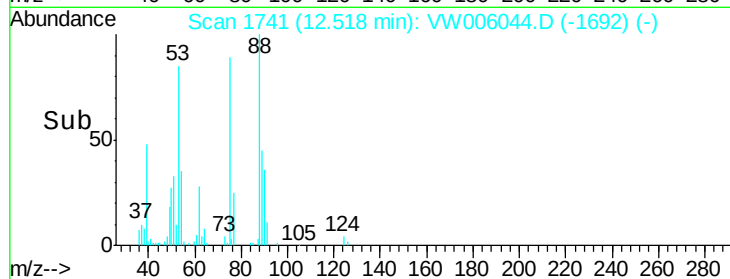
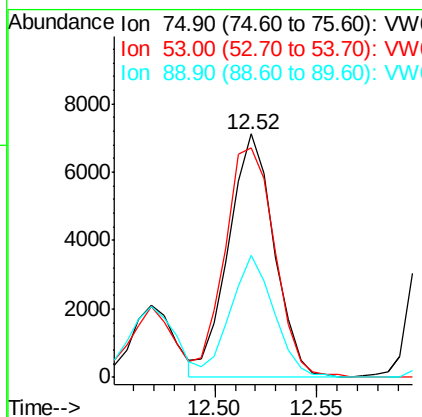
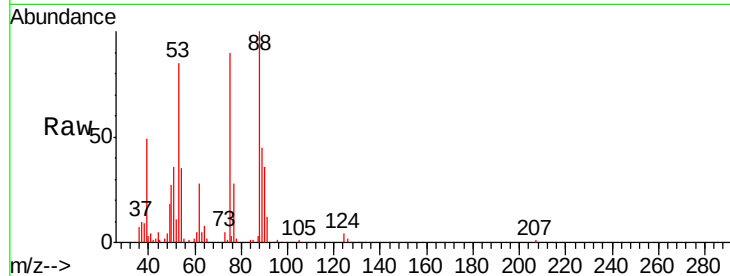
#81
 trans-1,4-Dichloro-2-butene
 Concen: 14.49 ug/l
 RT: 12.52 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VW006044.D
 Acq: 12 Oct 2018 12:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	103.6	76.5	114.7
89	47.3	37.6	56.4

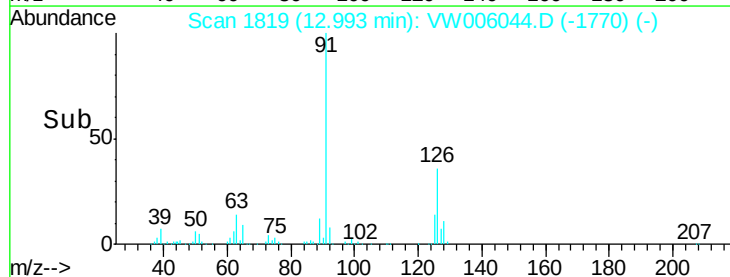
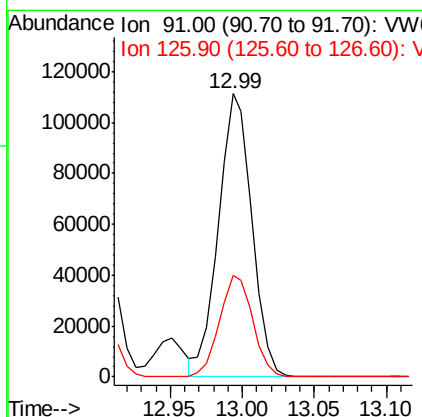
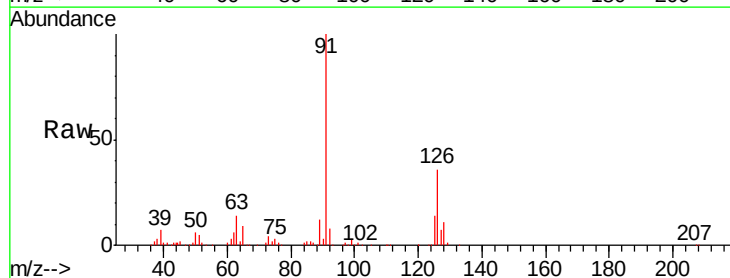
Manual Integrations
 APPROVED

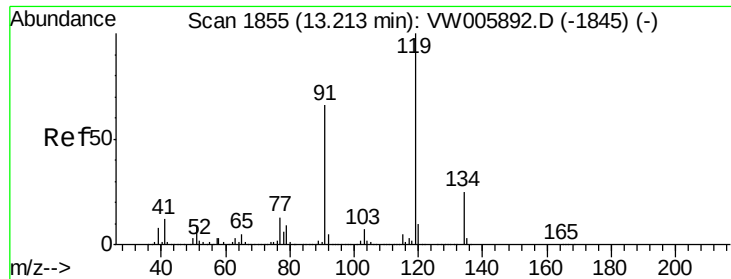
apatel
 10/15/2018 10:03:25 AM



#82
 4-Chlorotoluene
 Concen: 19.60 ug/l
 RT: 12.99 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: VW006044.D
 Acq: 12 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.4	52.2





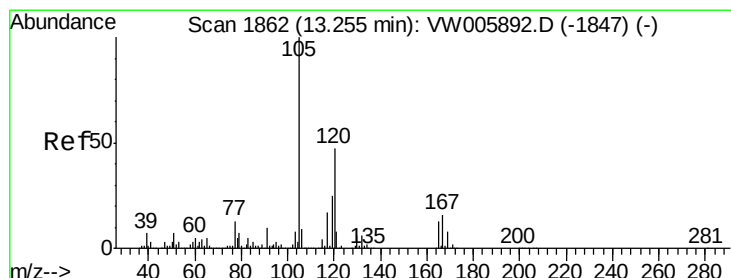
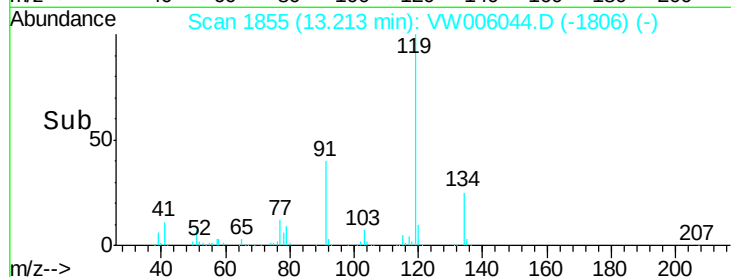
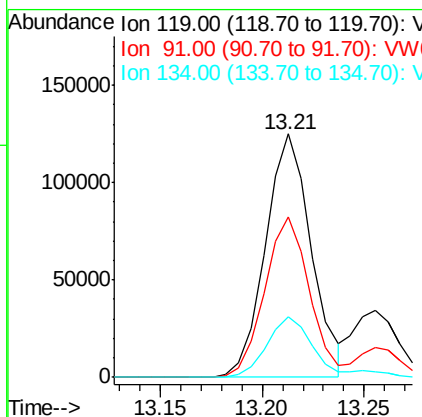
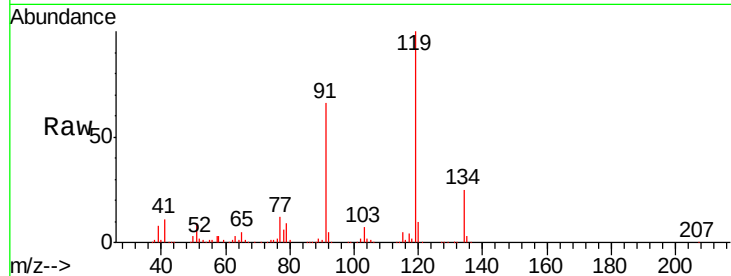
#83
 tert-Butylbenzene
 Concen: 19.77 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW006044.D
 Acq: 12 Oct 2018 12:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	195355		
91	64.4	32.4	97.0	
134	24.9	13.2	39.6	

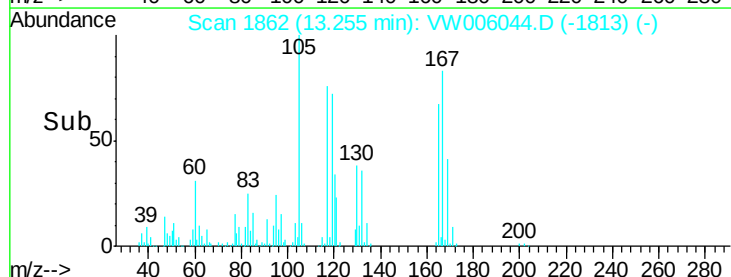
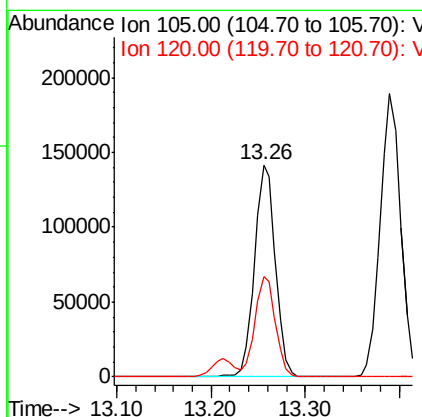
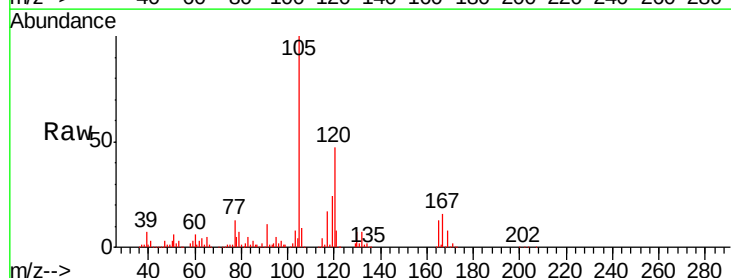
Manual Integrations
 APPROVED

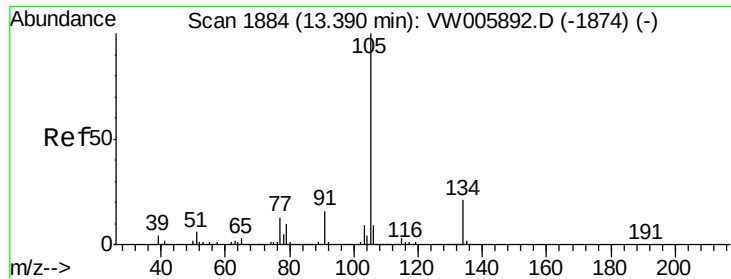
apatel
 10/15/2018 10:03:25 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.80 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW006044.D
 Acq: 12 Oct 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	221884		
120	46.4	22.8	68.3	





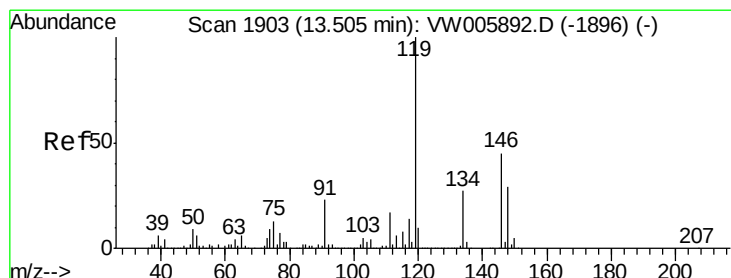
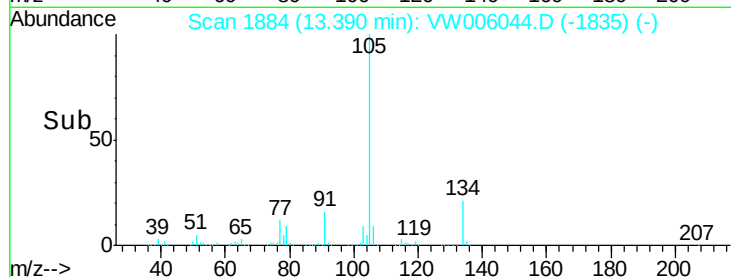
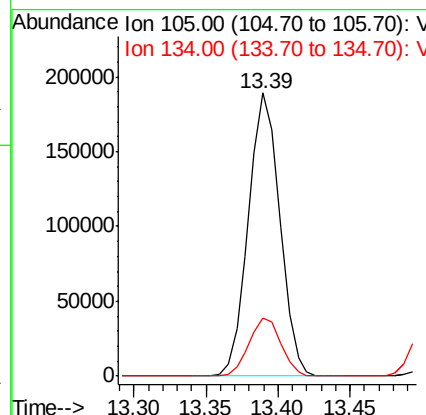
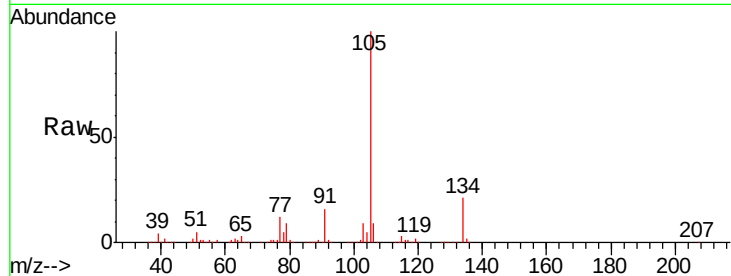
#85
 sec-Butylbenzene
 Concen: 20.59 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW006044.D
 Acq: 12 Oct 2018 12:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBSD01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.4	31.4

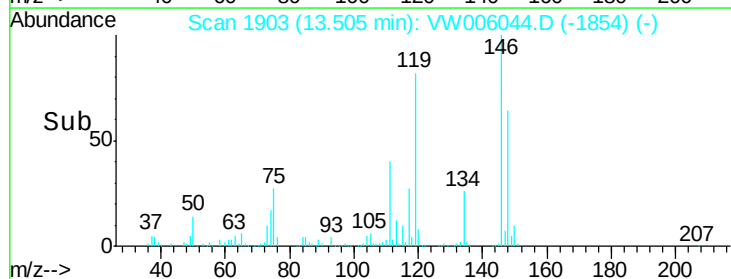
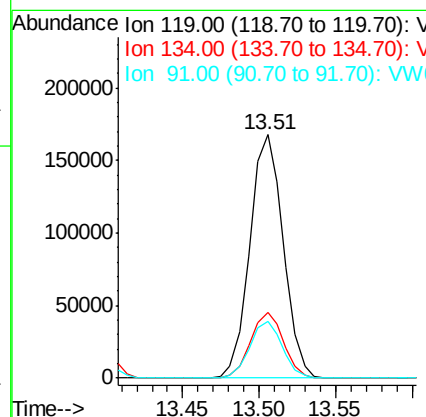
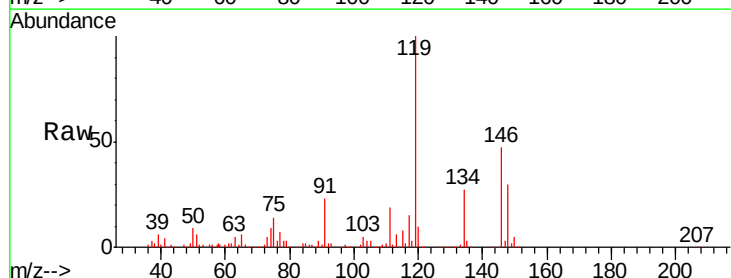
Manual Integrations
 APPROVED

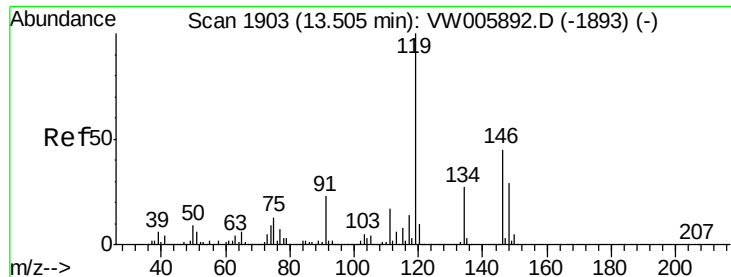
apatel
 10/15/2018 10:03:25 AM



#86
 p-Isopropyltoluene
 Concen: 20.32 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006044.D
 Acq: 12 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.5	40.5
91	23.0	11.9	35.5





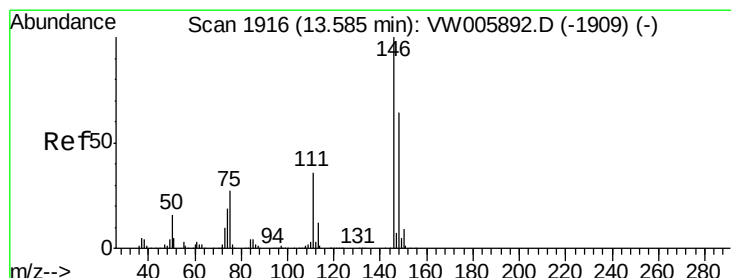
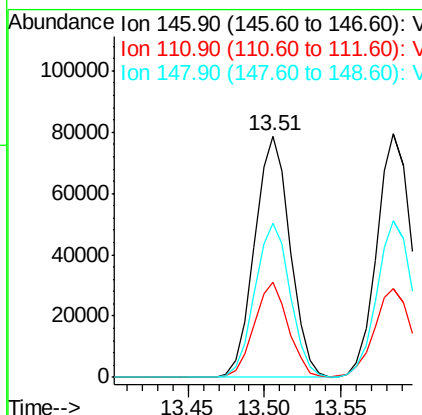
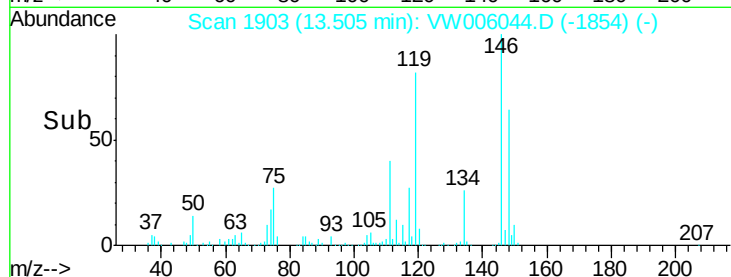
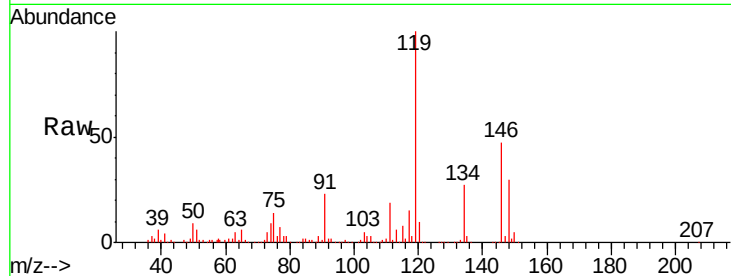
#87
 1,3-Dichlorobenzene
 Concen: 20.45 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006044.D
 Acq: 12 Oct 2018 12:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.5	58.5
148	63.8	32.1	96.5

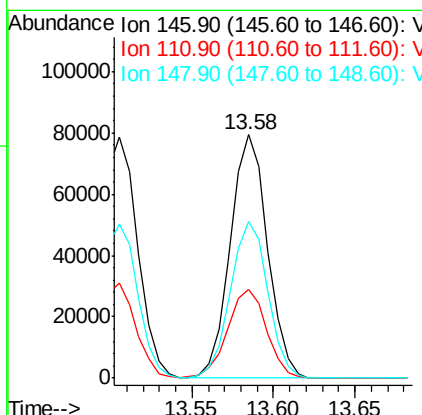
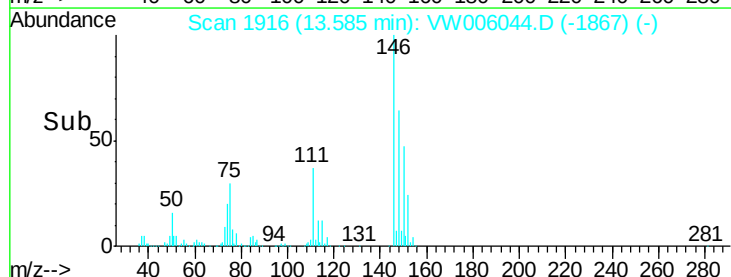
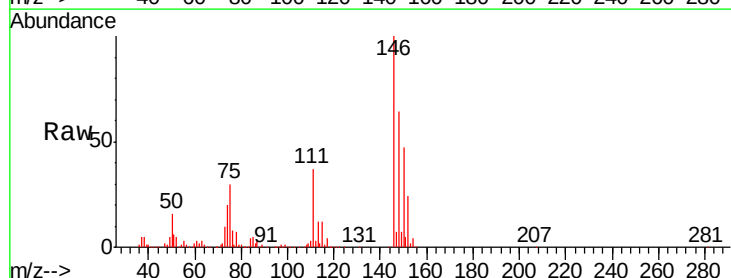
Manual Integrations
 APPROVED

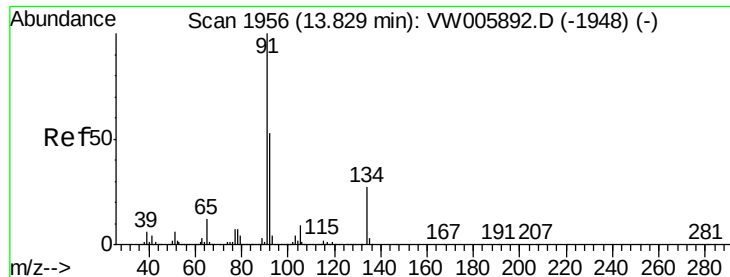
apatel
 10/15/2018 10:03:25 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.42 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006044.D
 Acq: 12 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.0	57.0
148	65.1	32.0	96.2





#89

n-Butylbenzene

Concen: 20.20 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Instrument :

MSVOA_W

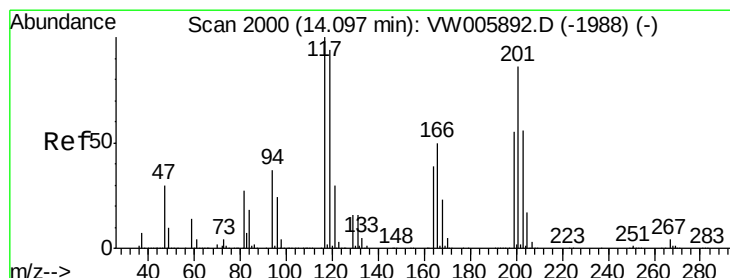
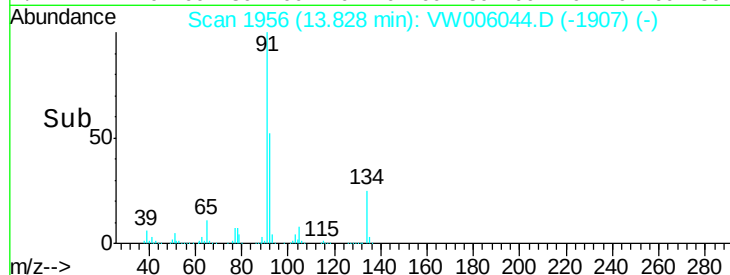
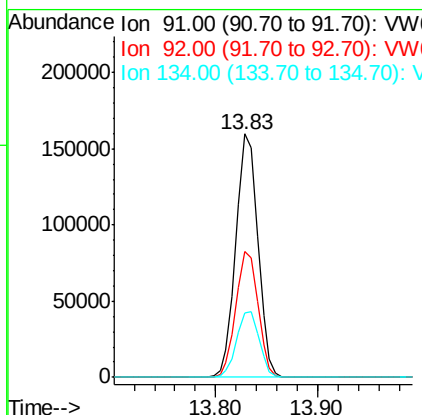
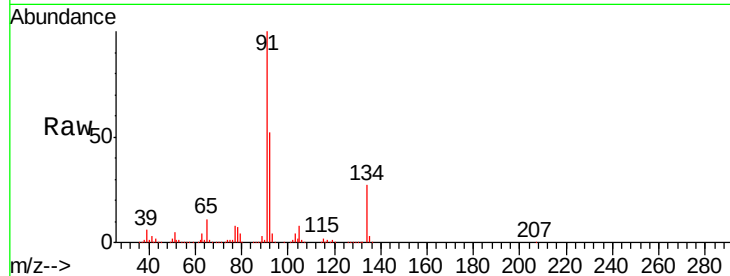
ClientSampleId :

VW1013SBSD01

Tgt Ion:	91	Resp:	237514
Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.6	79.8
134	27.7	13.8	41.4

Manual Integrations
APPROVED

apatel
10/15/2018 10:03:25 AM



#90

Hexachloroethane

Concen: 17.57 ug/l

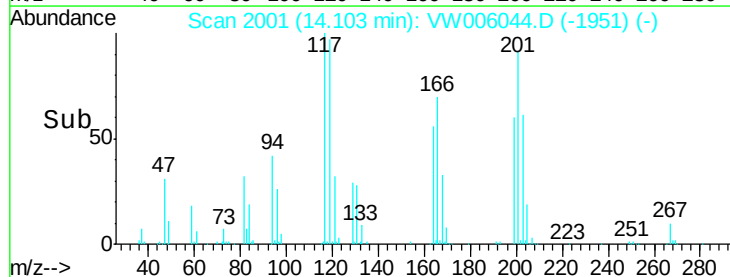
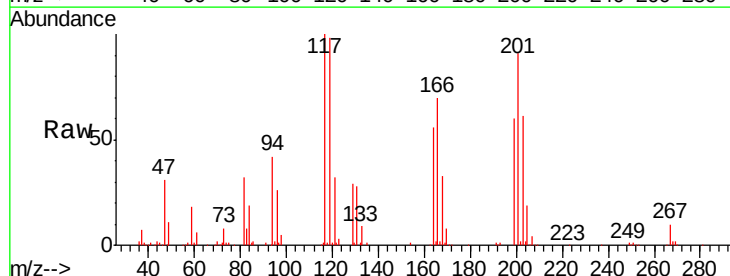
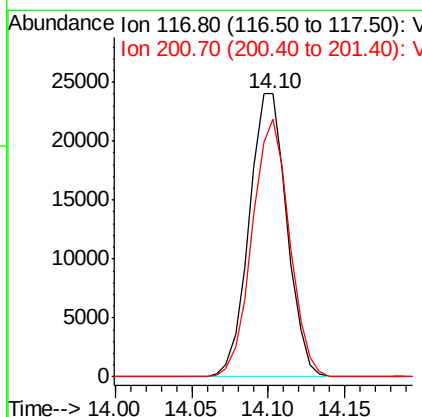
RT: 14.10 min Scan# 2001

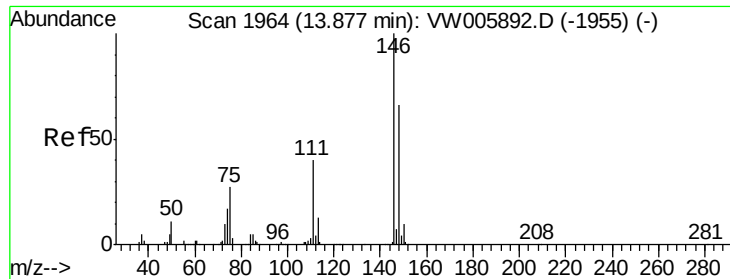
Delta R.T. 0.01 min

Lab File: VW006044.D

Acq: 12 Oct 2018 12:49

Tgt Ion:	117	Resp:	41221
Ion	Ratio	Lower	Upper
117	100		
201	89.8	44.5	133.5





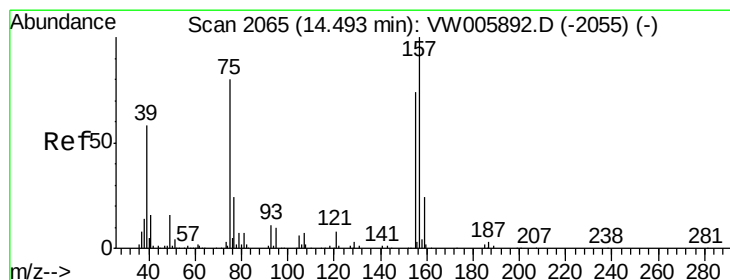
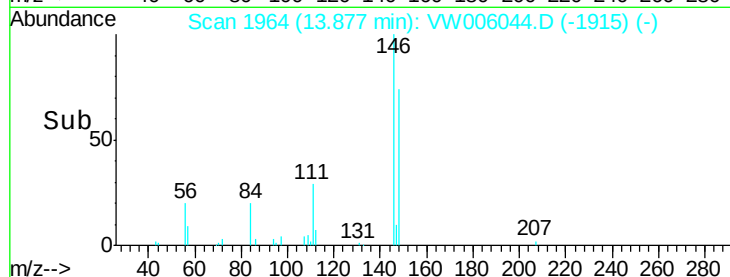
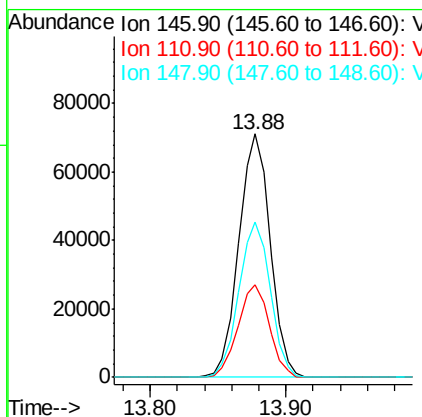
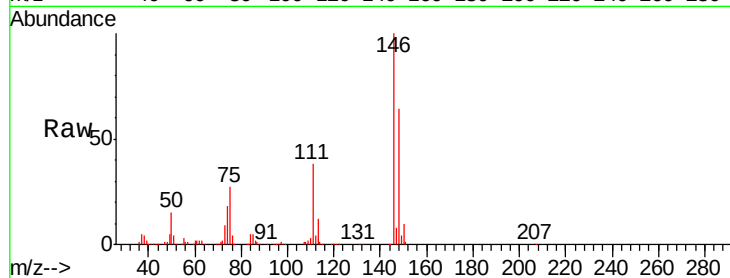
#91
 1,2-Dichlorobenzene
 Concen: 20.83 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006044.D
 Acq: 12 Oct 2018 12:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	114527		
111	38.4	20.3	61.0	
148	64.0	32.5	97.4	

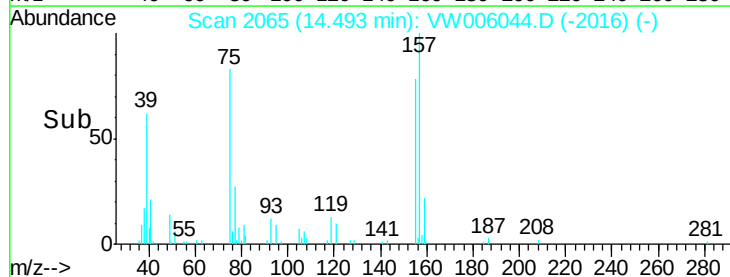
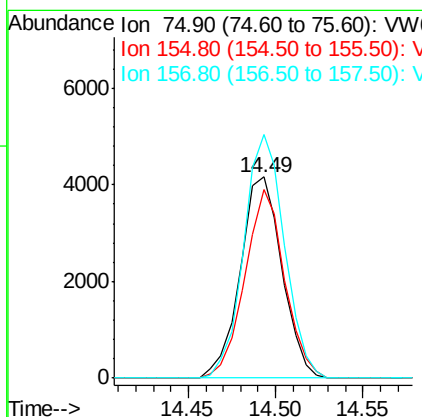
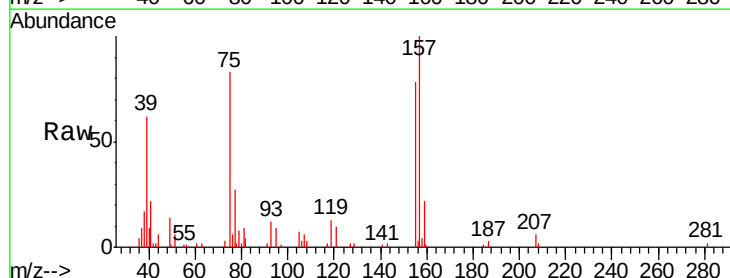
Manual Integrations
 APPROVED

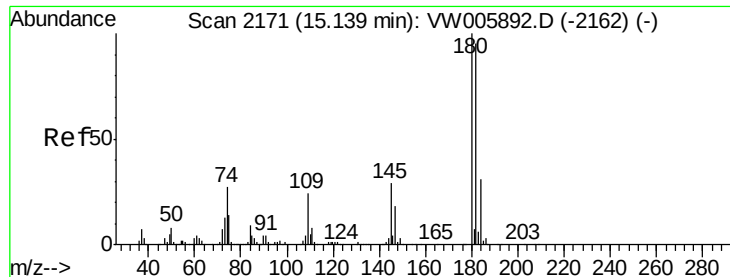
apatel
 10/15/2018 10:03:25 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.21 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW006044.D
 Acq: 12 Oct 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	6917		
155	89.2	44.8	134.3	
157	117.7	58.9	176.6	





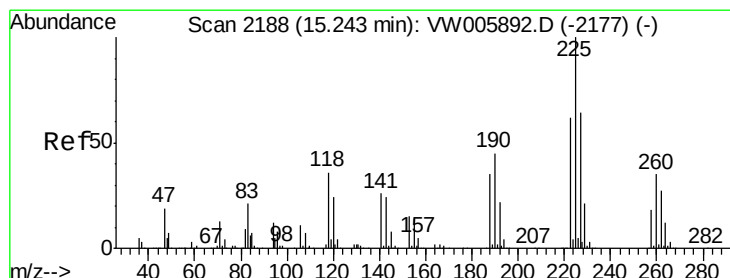
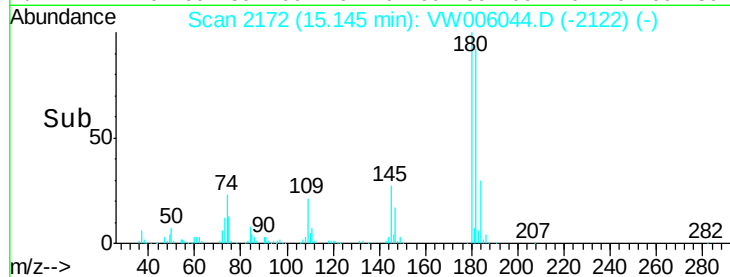
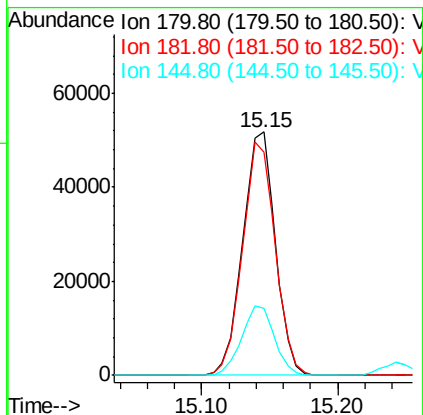
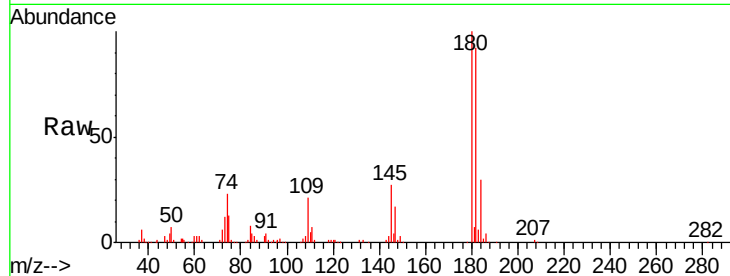
#93
 1,2,4-Trichlorobenzene
 Concen: 20.38 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW006044.D
 Acq: 12 Oct 2018 12:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	86897		
182	95.8	47.8	143.3	
145	28.6	14.5	43.6	

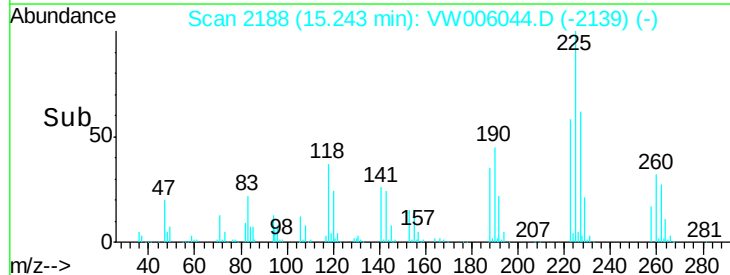
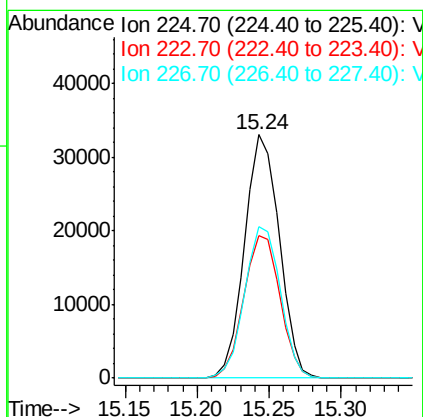
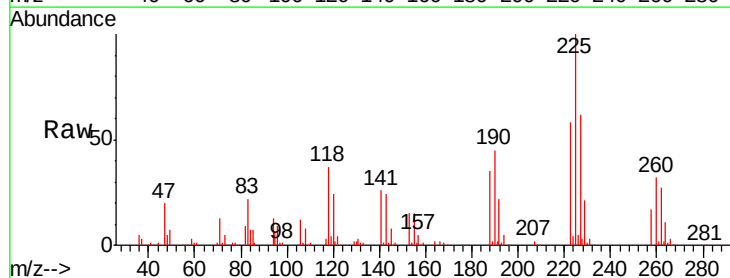
Manual Integrations
 APPROVED

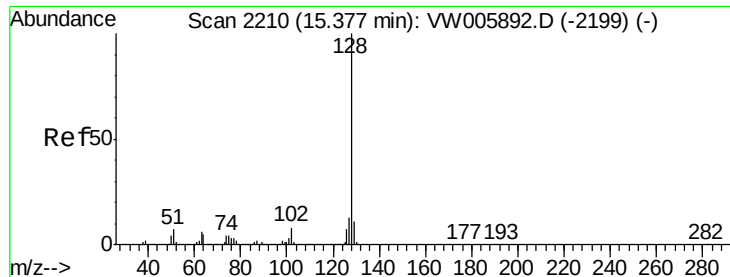
apatel
 10/15/2018 10:03:25 AM



#94
 Hexachlorobutadiene
 Concen: 20.75 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW006044.D
 Acq: 12 Oct 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	55218		
223	61.2	31.2	93.6	
227	63.8	31.9	95.9	





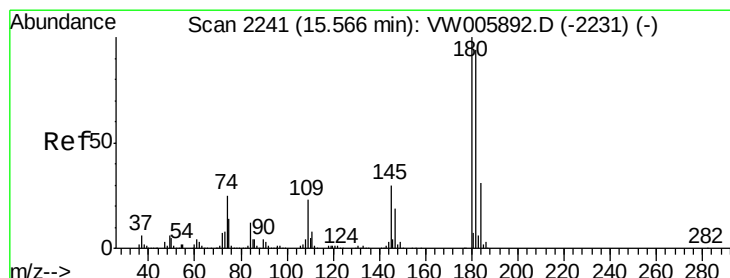
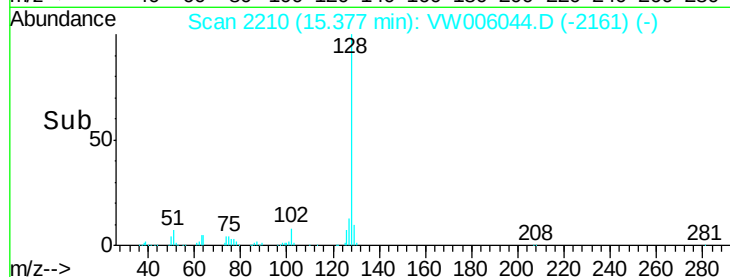
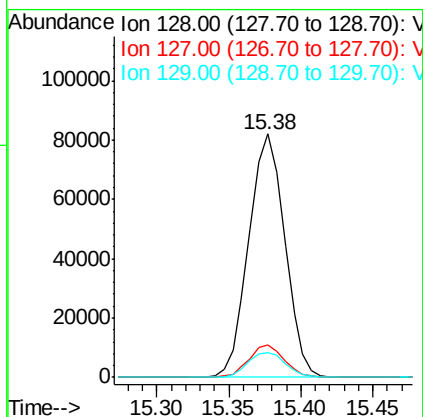
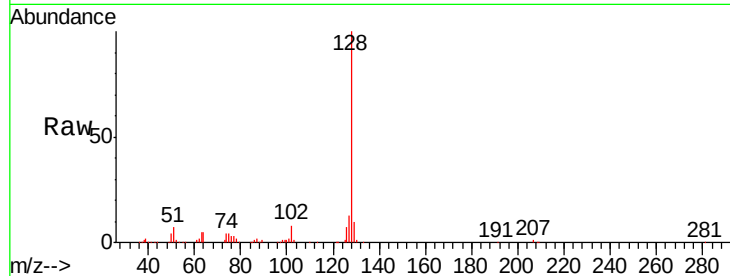
#95
Naphthalene
Concen: 19.36 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VW1013SBSD01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.7	8.9	13.3

Manual Integrations
APPROVED

apatel
10/15/2018 10:03:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.32 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW006044.D
Acq: 12 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.6	142.8
145	30.0	15.3	45.9

