

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101218\
 Data File : VW006024.D
 Acq On : 11 Oct 2018 11:45
 Operator : VA/AP
 Sample : VW1012SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1012SBS01

Manual Integrations
 APPROVED

apatel
 10/12/2018 11:46:00 AM

Quant Time: Oct 11 16:13:04 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	234340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	337147	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	306837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	171398	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	99350	43.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.34%	
35) Dibromofluoromethane	7.88	113	103050	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
50) Toluene-d8	10.32	98	396615	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
62) 4-Bromofluorobenzene	12.62	95	144631	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	23212	20.21	ug/l	97
3) Chloromethane	2.21	50	30053	22.25	ug/l	99
4) Vinyl Chloride	2.37	62	44805	20.89	ug/l	98
5) Bromomethane	2.78	94	39924	23.59	ug/l	99
6) Chloroethane	2.93	64	30487	22.31	ug/l	96
7) Trichlorofluoromethane	3.25	101	34461	20.24	ug/l	99
8) Diethyl Ether	3.68	74	20969	20.02	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41333	19.24	ug/l	97
10) Methyl Iodide	4.27	142	66816	19.02	ug/l	99
11) Tert butyl alcohol	5.20	59	13159	78.93	ug/l #	92
12) 1,1-Dichloroethene	4.03	96	40207	19.49	ug/l	99
13) Acrolein	3.89	56	12740	85.75	ug/l	99
14) Allyl chloride	4.67	41	55032	15.64	ug/l	94
15) Acrylonitrile	5.37	53	41402	90.81	ug/l	98
16) Acetone	4.13	43	45906	101.03	ug/l	96
17) Carbon Disulfide	4.37	76	101681	16.30	ug/l	100
18) Methyl Acetate	4.68	43	17823	15.54	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	57982	18.07	ug/l	99
20) Methylene Chloride	4.91	84	43132	18.95	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	43956	19.55	ug/l	96
22) Diisopropyl ether	6.32	45	114194	17.36	ug/l	95
23) Vinyl Acetate	6.26	43	342574	84.64	ug/l	97
24) 1,1-Dichloroethane	6.21	63	75533	18.77	ug/l	100
25) 2-Butanone	7.18	43	60966	94.33	ug/l	97
26) 2,2-Dichloropropane	7.17	77	50184	17.72	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	50150	19.72	ug/l	95
28) Bromochloromethane	7.51	49	27592	18.57	ug/l	91
29) Tetrahydrofuran	7.54	42	34277	83.90	ug/l	96
30) Chloroform	7.68	83	80194	19.40	ug/l	100
31) Cyclohexane	7.96	56	68461	17.19	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	68446	18.59	ug/l	98
36) 1,1-Dichloropropene	8.08	75	64215	19.88	ug/l	99
37) Ethyl Acetate	7.26	43	25039	18.30	ug/l	99
38) Carbon Tetrachloride	8.07	117	64141	18.48	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101218\
 Data File : VW006024.D
 Acq On : 11 Oct 2018 11:45
 Operator : VA/AP
 Sample : VW1012SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VW1012SBS01

Manual Integrations
 APPROVED

apatel
 10/12/2018 11:46:00 AM

Quant Time: Oct 11 16:13:04 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	82508	19.36	ug/l	97
40) Benzene	8.32	78	175194	19.81	ug/l	99
41) Methacrylonitrile	7.49	41	14770	17.24	ug/l	97
42) 1,2-Dichloroethane	8.40	62	50437	18.88	ug/l	99
43) Isopropyl Acetate	8.43	43	48997	17.15	ug/l	97
44) Trichloroethene	9.09	130	53154	20.72	ug/l	100
45) 1,2-Dichloropropane	9.37	63	41979	18.97	ug/l	95
46) Dibromomethane	9.46	93	23635	19.43	ug/l	99
47) Bromodichloromethane	9.65	83	56254	18.38	ug/l	98
48) Methyl methacrylate	9.44	41	22664	16.65	ug/l	94
49) 1,4-Dioxane	9.46	88	7399	400.45	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	123196	88.53	ug/l	98
52) Toluene	10.39	92	114102	19.64	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	54052	16.90	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	63815	17.75	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	33335	19.79	ug/l	98
56) Ethyl methacrylate	10.65	69	40441	17.81	ug/l	96
57) 1,3-Dichloropropane	10.94	76	55301	19.51	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	87206	94.38	ug/l	97
59) 2-Hexanone	10.97	43	93977	94.18	ug/l	96
60) Dibromochloromethane	11.13	129	39624	18.23	ug/l	99
61) 1,2-Dibromoethane	11.24	107	32489	19.30	ug/l	100
64) Tetrachloroethene	10.87	164	46313	20.26	ug/l	95
65) Chlorobenzene	11.66	112	134352	20.44	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	46551	19.32	ug/l	99
67) Ethyl Benzene	11.74	91	232485	20.03	ug/l	97
68) m/p-Xylenes	11.85	106	182546	40.24	ug/l	99
69) o-Xylene	12.17	106	86336	19.88	ug/l	98
70) Styrene	12.18	104	142526	19.78	ug/l	98
71) Bromoform	12.35	173	24228	16.88	ug/l #	98
73) Isopropylbenzene	12.47	105	247488	19.77	ug/l	100
74) N-amyl acetate	12.28	43	48497	16.31	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	39142	19.08	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	29030m	18.96	ug/l	
77) Bromobenzene	12.75	156	59608	20.10	ug/l	95
78) n-propylbenzene	12.81	91	289914	19.69	ug/l	100
79) 2-Chlorotoluene	12.90	91	160540	19.31	ug/l	97
80) 1,3,5-Trimethylbenzene	12.95	105	206909	19.58	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	10617	14.64	ug/l	94
82) 4-Chlorotoluene	12.99	91	171122	19.57	ug/l	98
83) tert-Butylbenzene	13.21	119	187765	19.98	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	213127	19.99	ug/l	100
85) sec-Butylbenzene	13.39	105	266295	20.18	ug/l	100
86) p-Isopropyltoluene	13.51	119	239308	20.17	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	121428	20.61	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	119959	20.49	ug/l	100
89) n-Butylbenzene	13.83	91	225356	20.15	ug/l	99
90) Hexachloroethane	14.10	117	37691	16.89	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	107562	20.56	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6369	16.66	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW101218\
Data File : VW006024.D
Acq On : 11 Oct 2018 11:45
Operator : VA/AP
Sample : VW1012SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

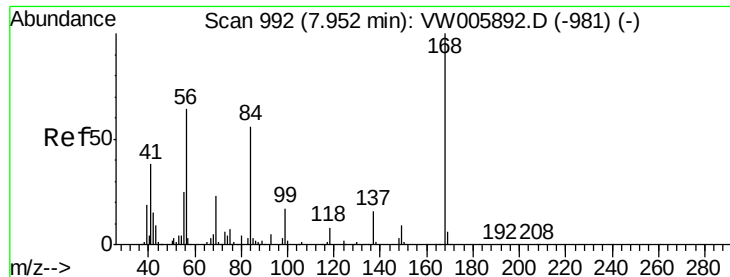
Manual Integrations
APPROVED

apatel
10/12/2018 11:46:00 AM

Quant Time: Oct 11 16:13:04 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	15.14	180	84115	20.74	ug/l	99
94) Hexachlorobutadiene	15.24	225	51377	20.29	ug/l	99
95) Naphthalene	15.38	128	137247	19.63	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	72242	20.57	ug/l	100

(#) = 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: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW1012SBS01

Tgt Ion: 168 Resp: 234340

Ion Ratio Lower Upper

168 100

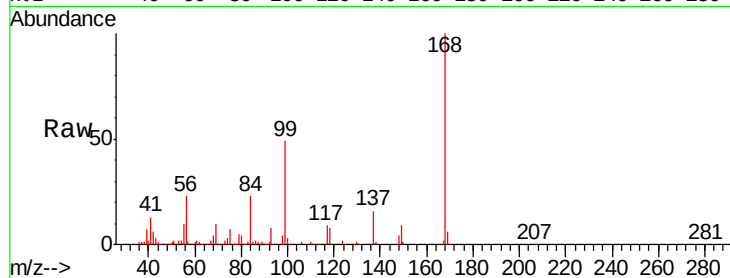
99 48.8 40.9 61.3

Manual Integrations

APPROVED

apatel

10/12/2018 11:46:00 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

40000

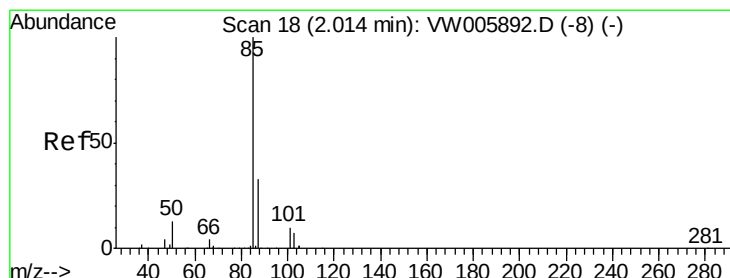
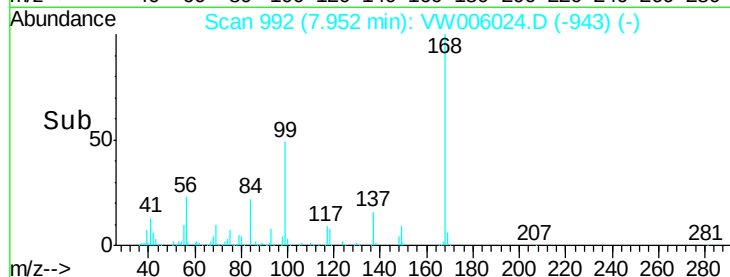
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 20.21 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006024.D

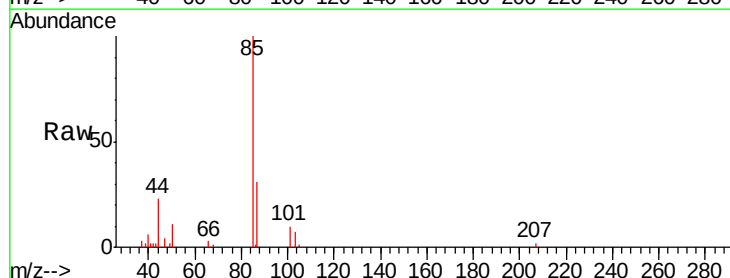
Acq: 11 Oct 2018 11:45

Tgt Ion: 85 Resp: 23212

Ion Ratio Lower Upper

85 100

87 31.4 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

6000

4000

2000

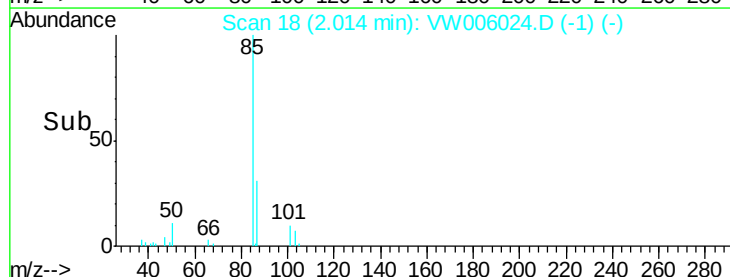
0

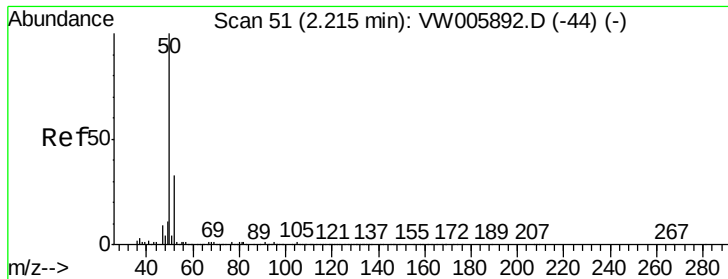
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 22.25 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW1012SBS01

Tgt Ion: 50 Resp: 30053

Ion Ratio Lower Upper

50 100

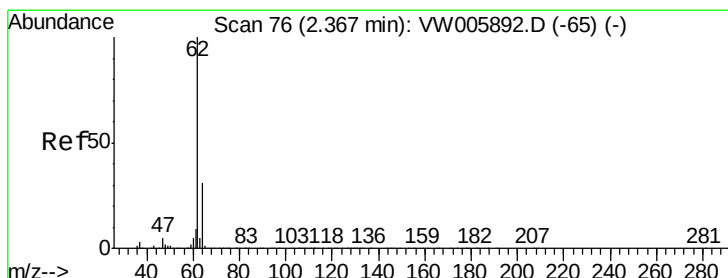
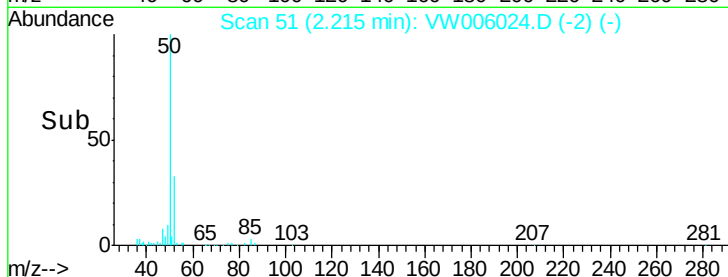
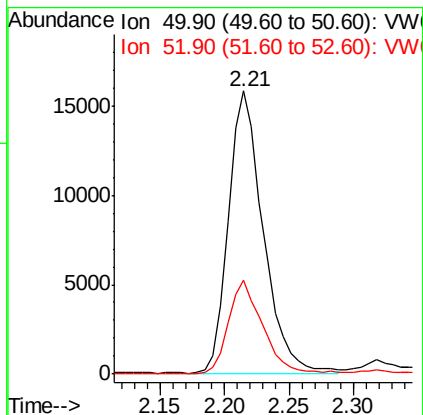
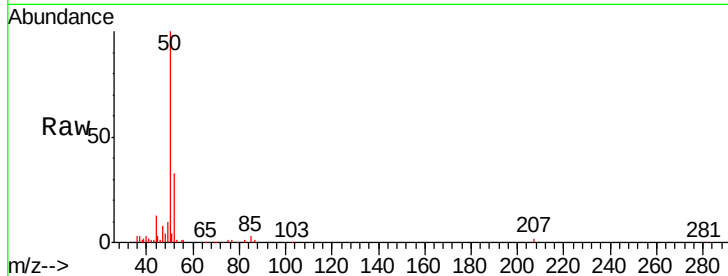
52 33.1 26.7 40.1

Manual Integrations

APPROVED

apatel

10/12/2018 11:46:00 AM



#4

Vinyl Chloride

Concen: 20.89 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW006024.D

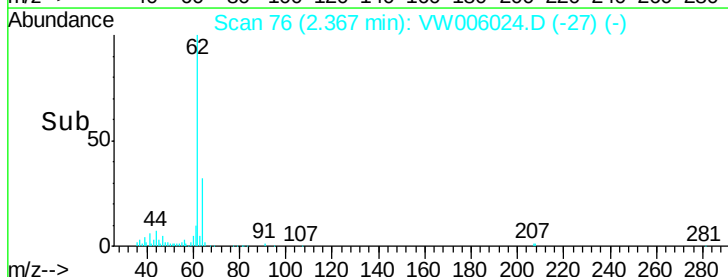
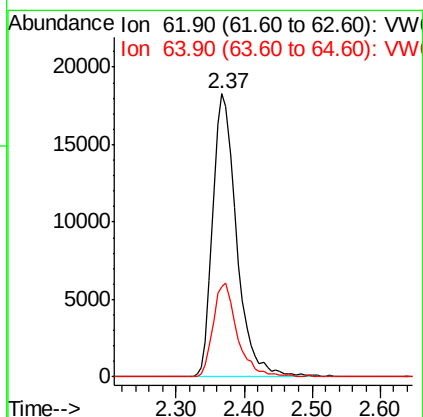
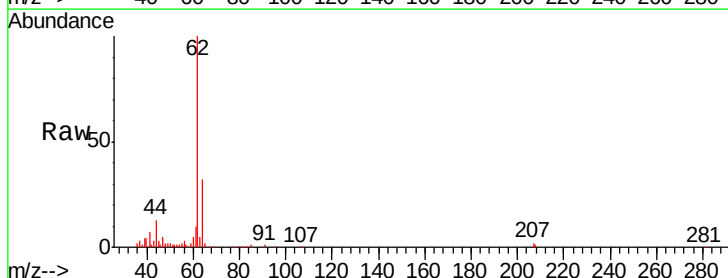
Acq: 11 Oct 2018 11:45

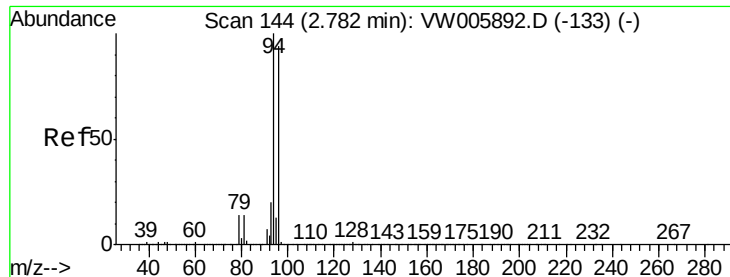
Tgt Ion: 62 Resp: 44805

Ion Ratio Lower Upper

62 100

64 31.7 24.6 36.8





#5

Bromomethane

Concen: 23.59 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW1012SBS01

Tgt Ion: 94 Resp: 39924

Ion Ratio Lower Upper

94 100

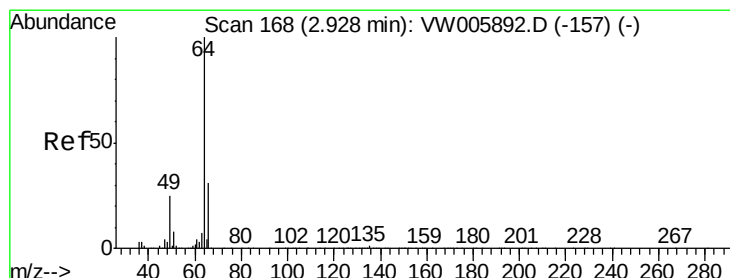
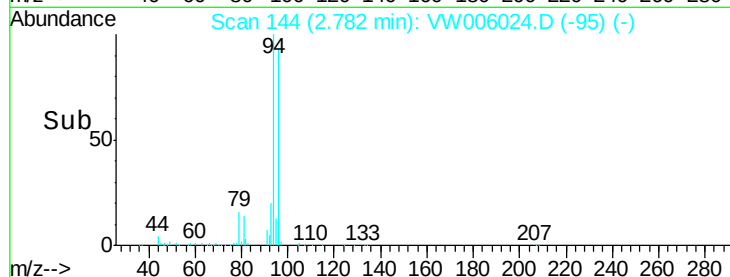
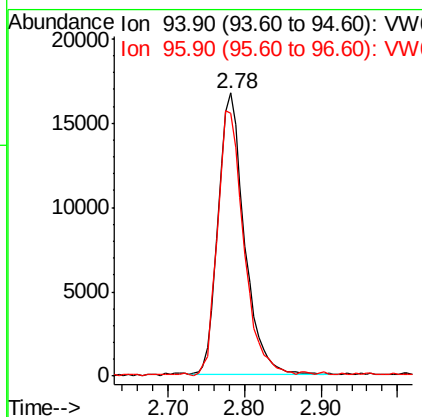
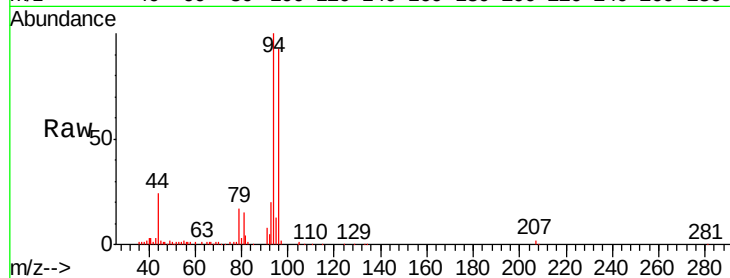
96 92.8 75.0 112.4

Manual Integrations

APPROVED

apatel

10/12/2018 11:46:00 AM



#6

Chloroethane

Concen: 22.31 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW006024.D

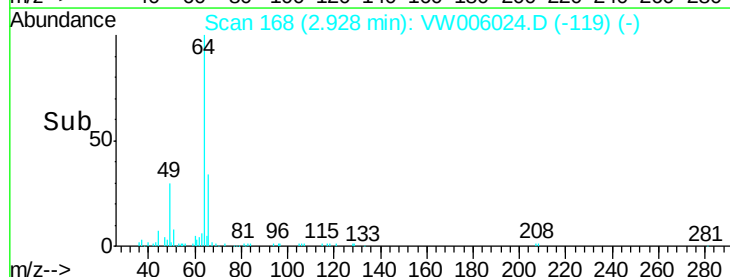
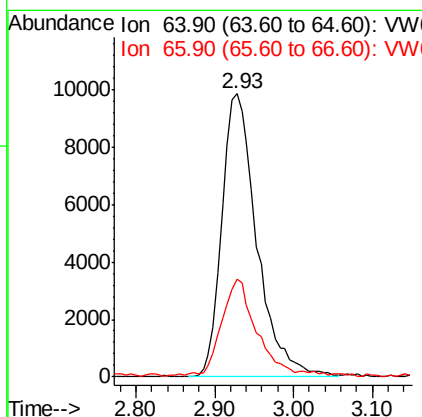
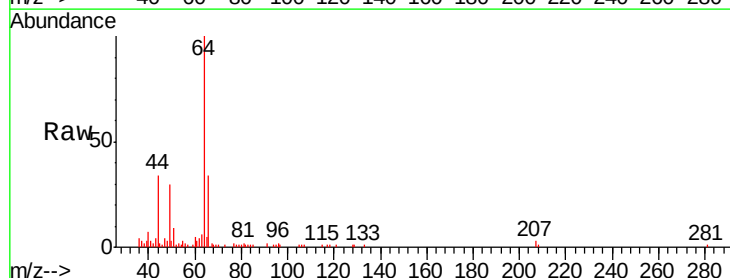
Acq: 11 Oct 2018 11:45

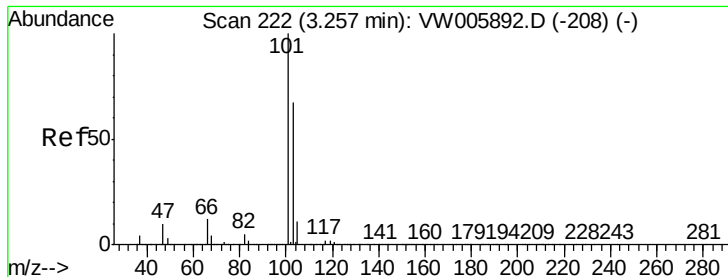
Tgt Ion: 64 Resp: 30487

Ion Ratio Lower Upper

64 100

66 33.5 25.0 37.4





#7

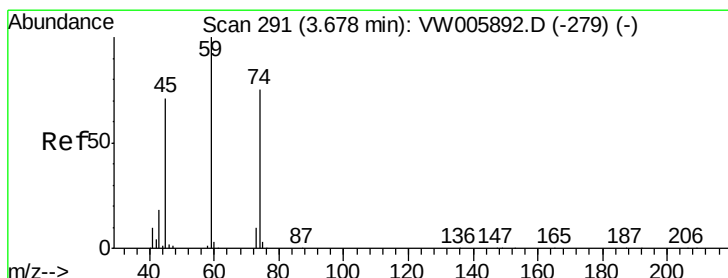
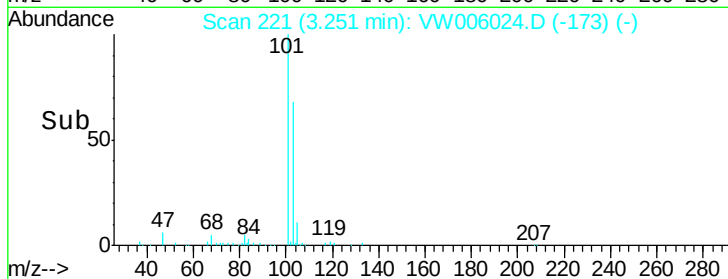
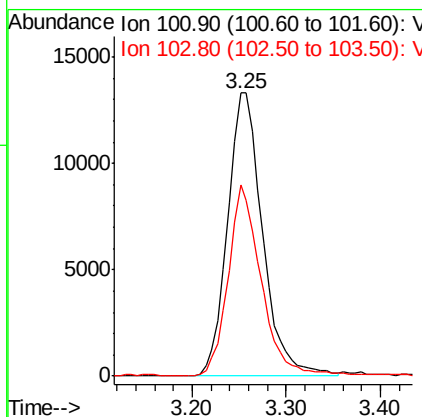
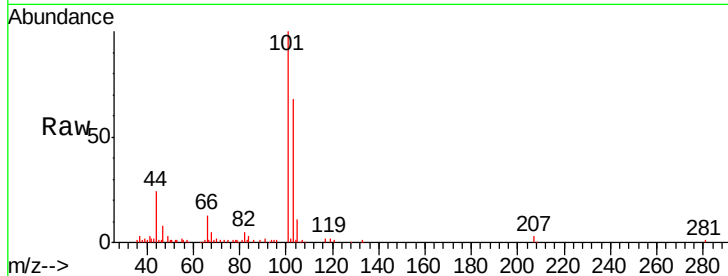
Trichlorofluoromethane
Concen: 20.24 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	34461		
103	67.7	53.5	80.3	

Manual Integrations
APPROVED

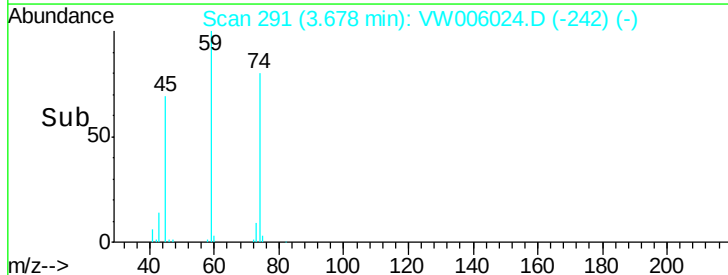
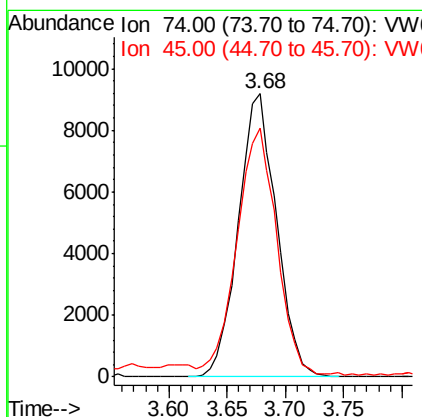
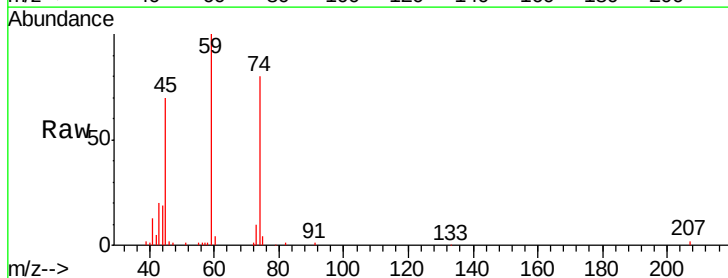
apatel
10/12/2018 11:46:00 AM

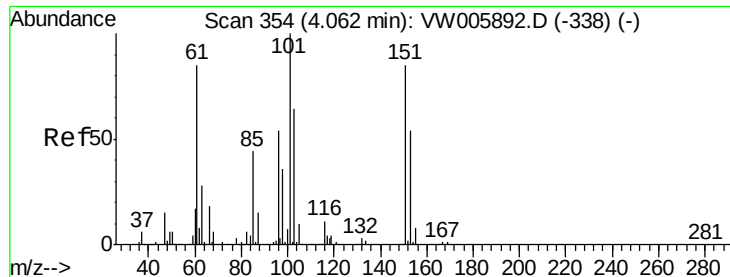


#8

Diethyl Ether
Concen: 20.02 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	20969		
45	90.5	46.8	140.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.24 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

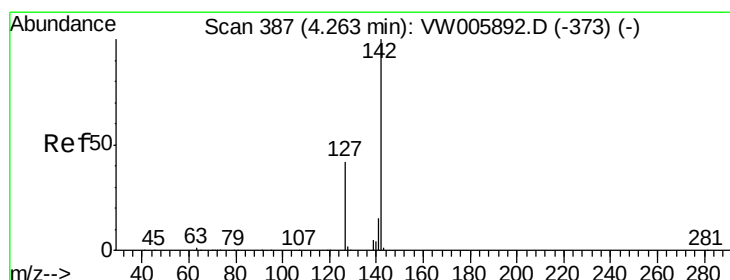
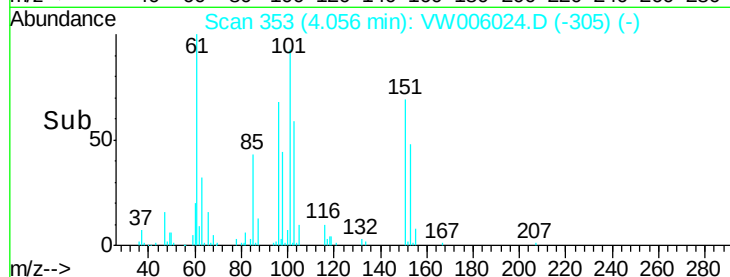
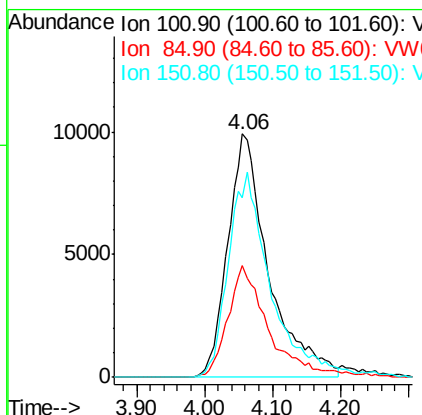
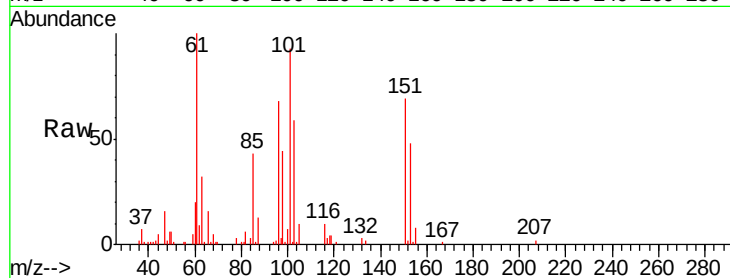
ClientSampleId :

VW1012SBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
85	45.8	35.1	52.7
151	87.0	67.7	101.5

Manual Integrations
APPROVED

apatel
10/12/2018 11:46:00 AM



#10

Methyl Iodide

Concen: 19.02 ug/l

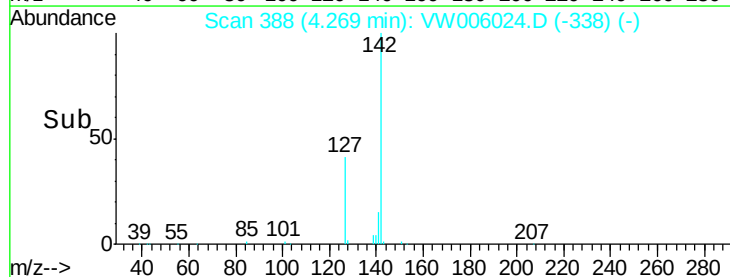
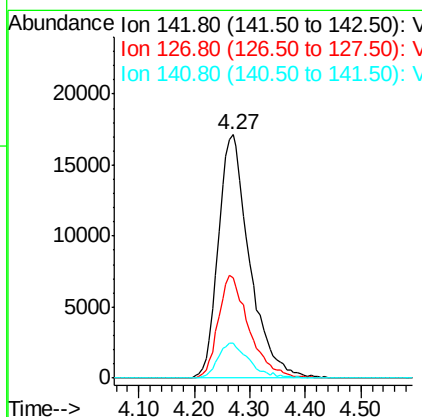
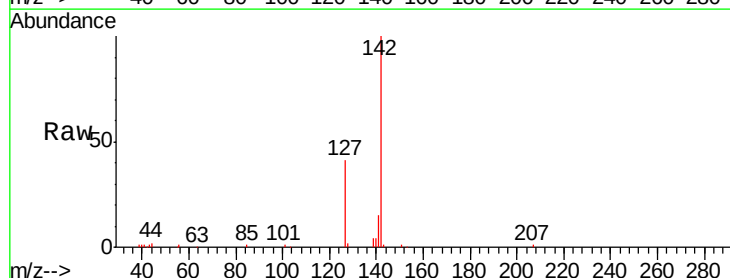
RT: 4.27 min Scan# 388

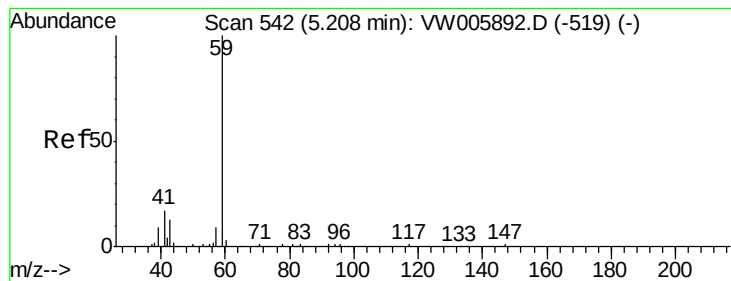
Delta R.T. 0.01 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.6	33.7	50.5
141	14.4	11.5	17.3





#11

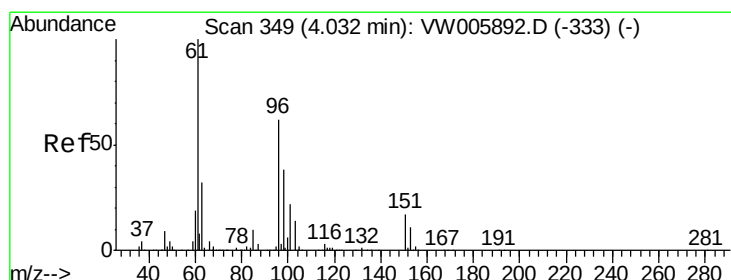
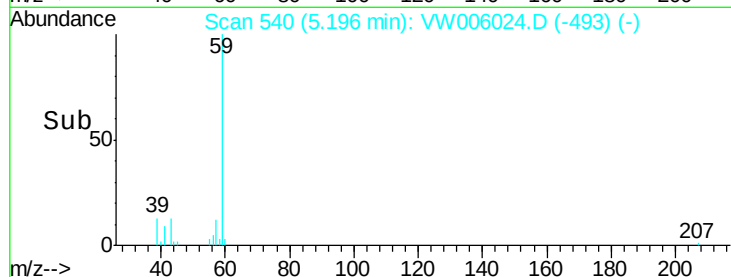
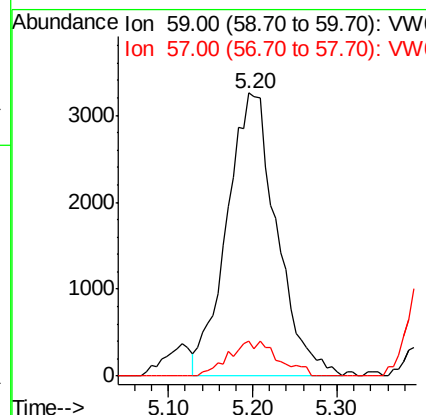
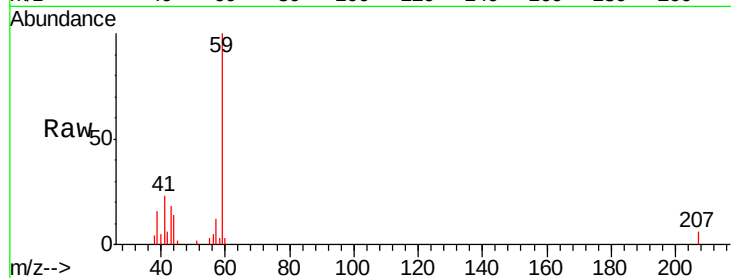
Tert butyl alcohol
 Concen: 78.93 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. -0.01 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1012SBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	6.6	7.7	11.5#

Manual Integrations
 APPROVED

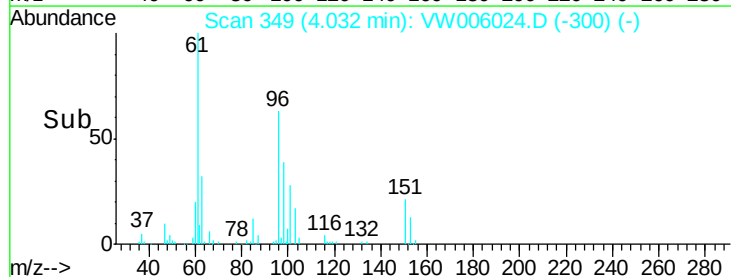
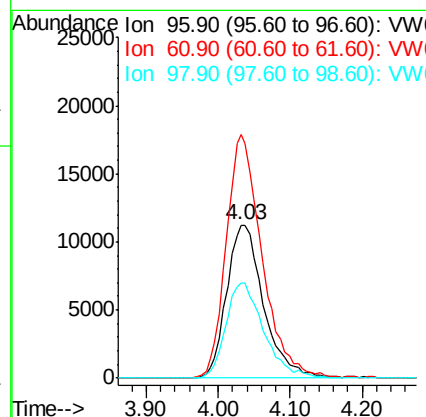
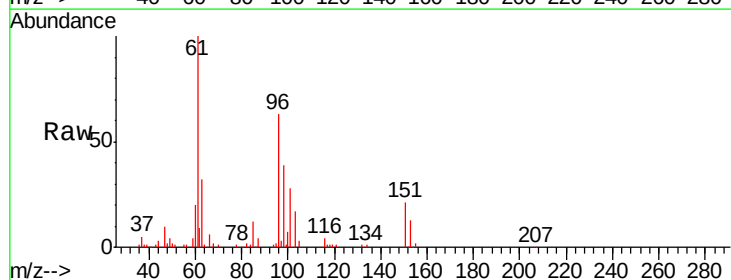
apatel
 10/12/2018 11:46:00 AM

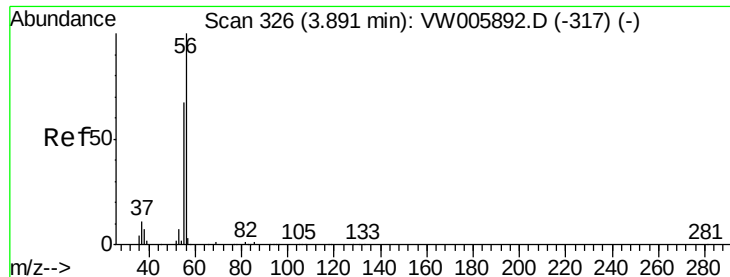


#12

1,1-Dichloroethene
 Concen: 19.49 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.9	128.6	193.0
98	62.0	49.4	74.0





#13

Acrolein

Concen: 85.75 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW1012SBS01

Tgt Ion: 56 Resp: 12740

Ion Ratio Lower Upper

56 100

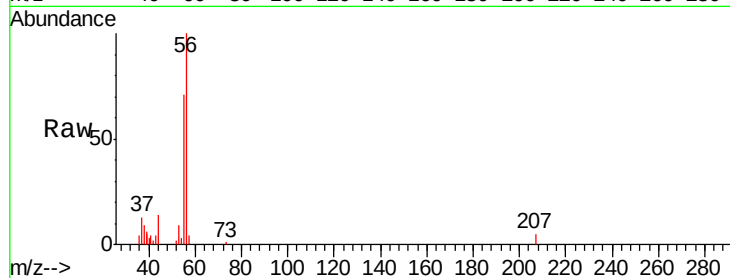
55 68.7 54.6 82.0

Manual Integrations

APPROVED

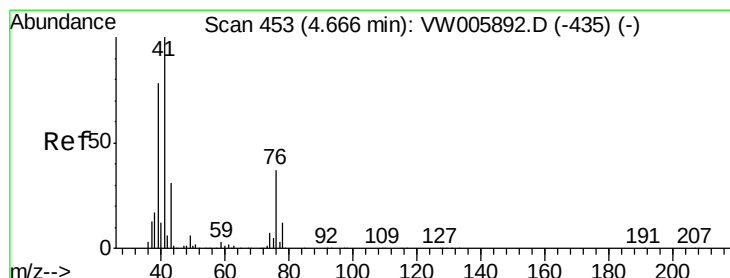
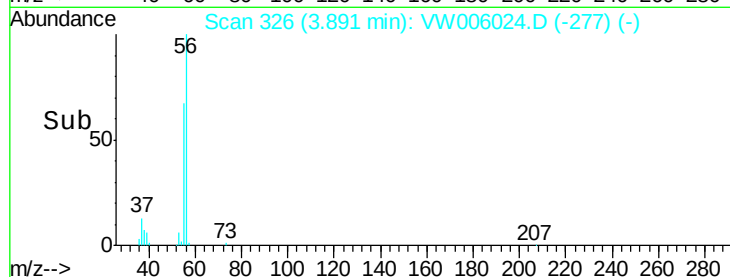
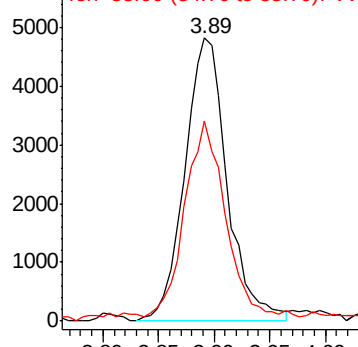
apatel

10/12/2018 11:46:00 AM



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 15.64 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

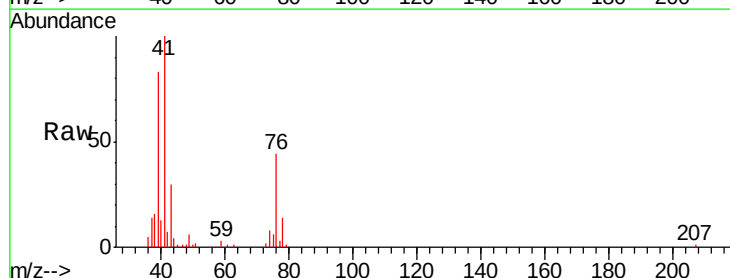
Tgt Ion: 41 Resp: 55032

Ion Ratio Lower Upper

41 100

39 80.2 60.8 91.2

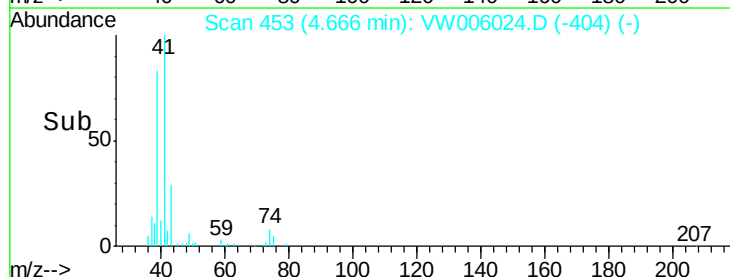
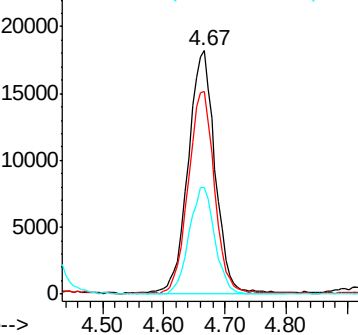
76 41.8 29.6 44.4

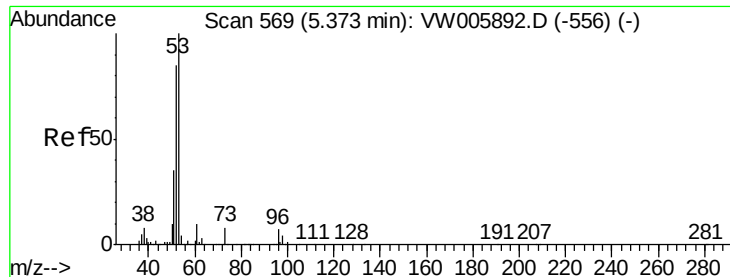


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





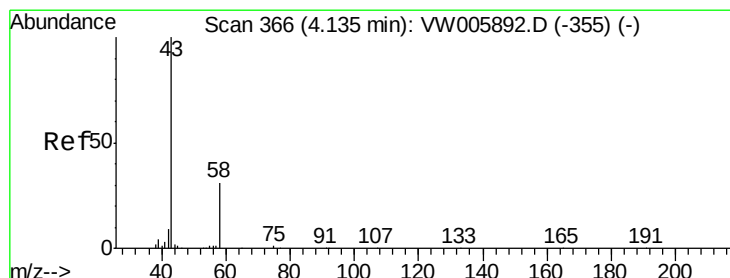
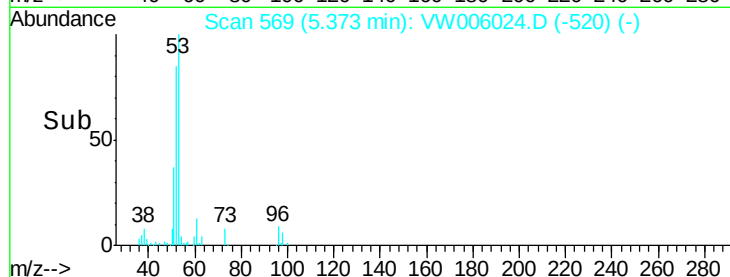
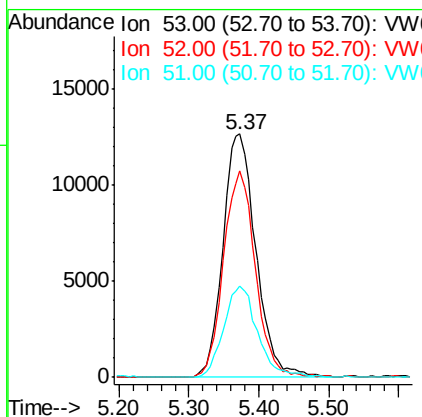
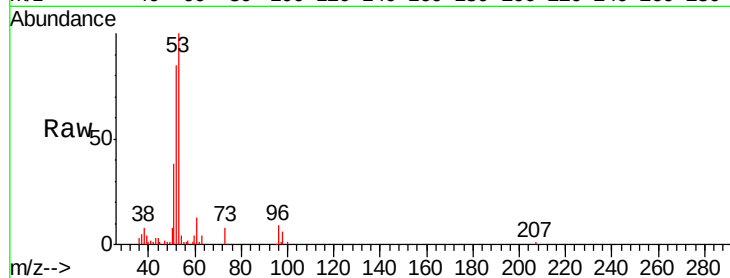
#15
 Acrylonitrile
 Concen: 90.81 ug/l
 RT: 5.37 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1012SBS01

Tgt Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.8	100.2
51	38.5	29.8	44.6

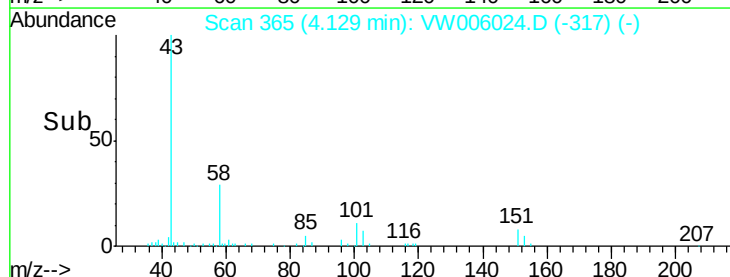
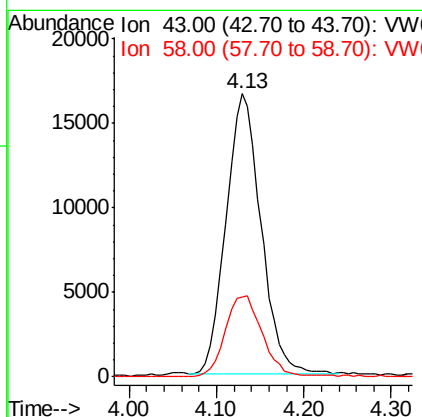
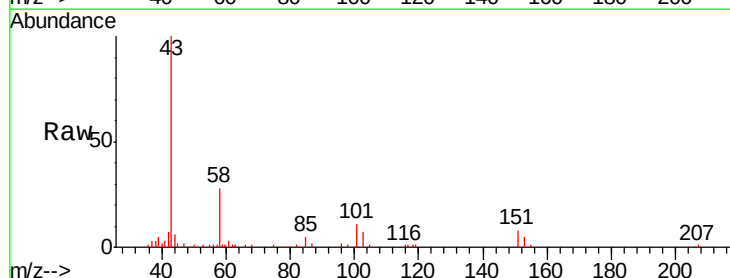
Manual Integrations
 APPROVED

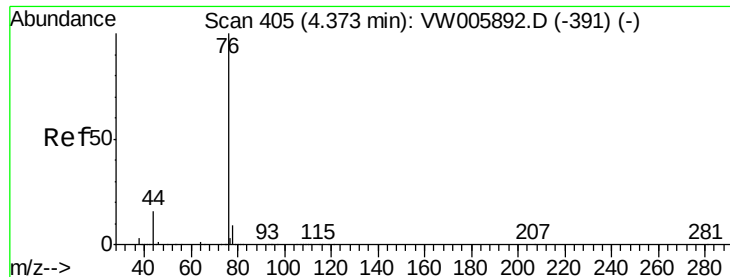
apatel
 10/12/2018 11:46:00 AM



#16
 Acetone
 Concen: 101.03 ug/l
 RT: 4.13 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.6	24.7	37.1





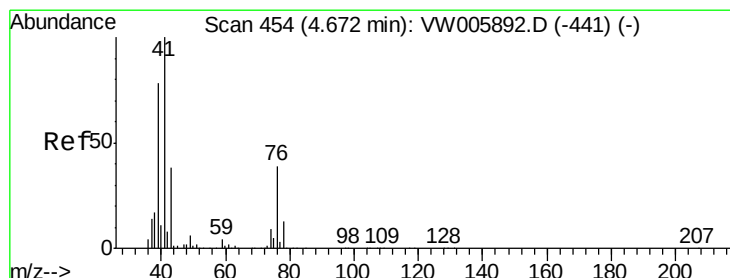
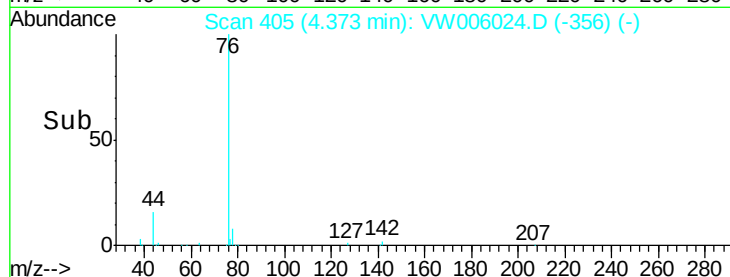
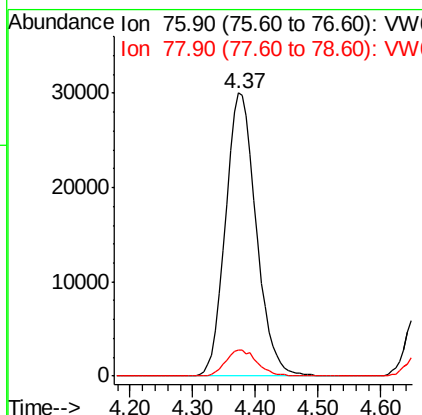
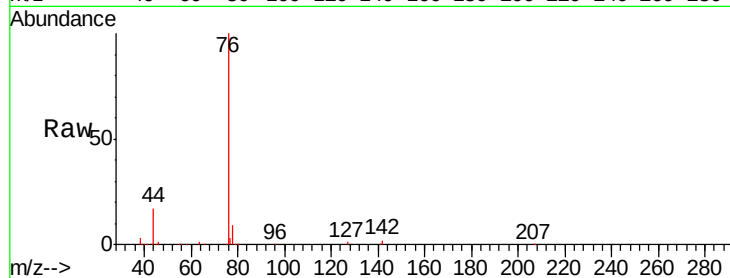
#17
Carbon Disulfide
Concen: 16.30 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

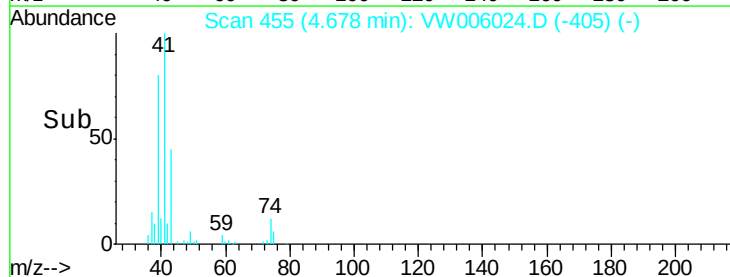
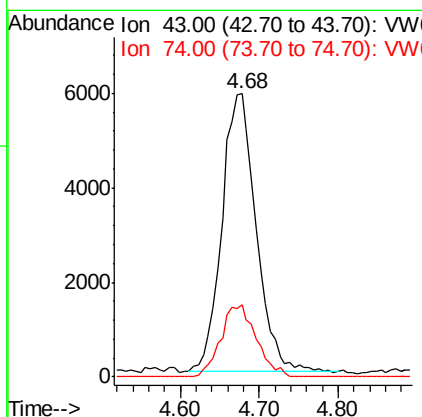
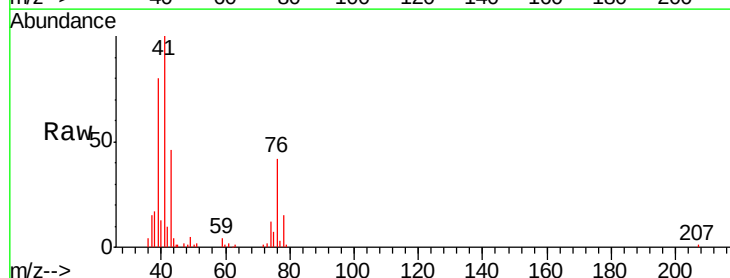
Manual Integrations
APPROVED

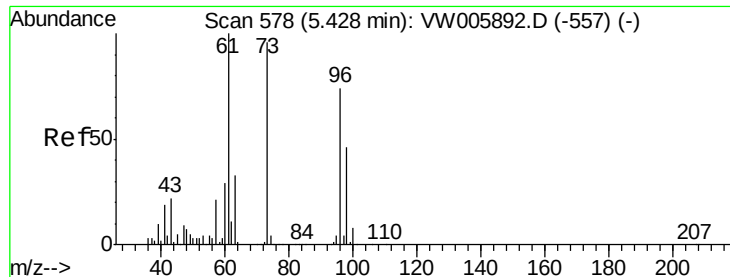
apatel
10/12/2018 11:46:00 AM



#18
Methyl Acetate
Concen: 15.54 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.7	19.2	28.8





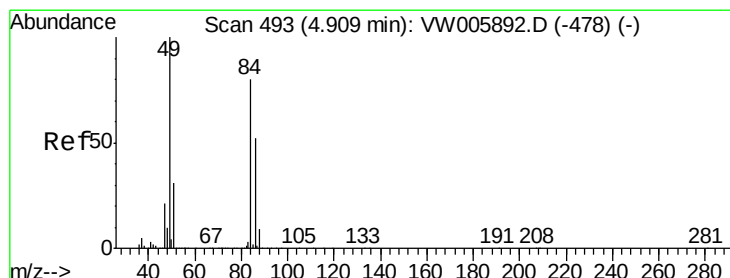
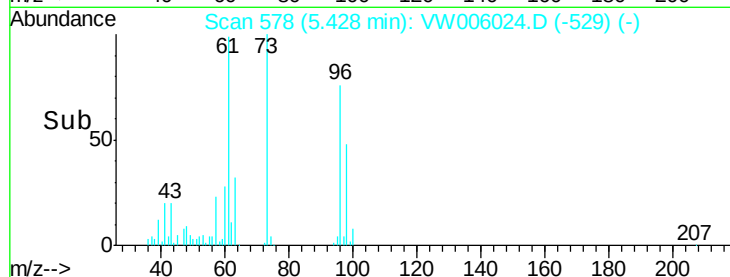
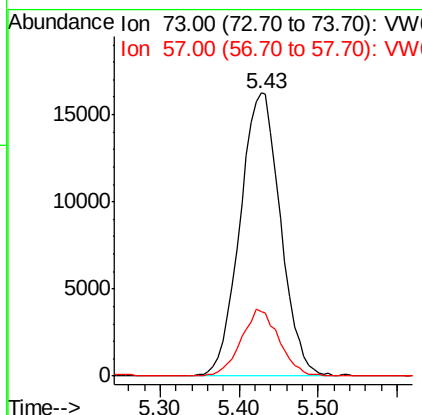
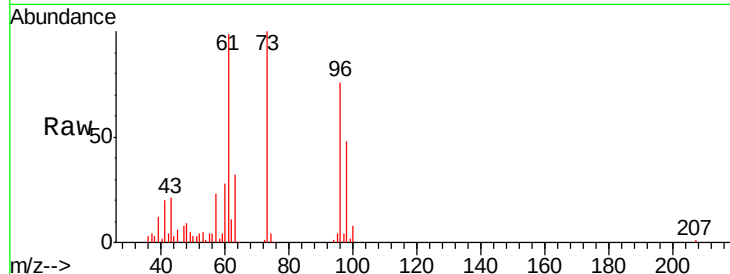
#19
Methyl tert-butyl Ether
Concen: 18.07 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

Tgt Ion: 73 Resp: 57982
Ion Ratio Lower Upper
73 100
57 22.6 17.7 26.5

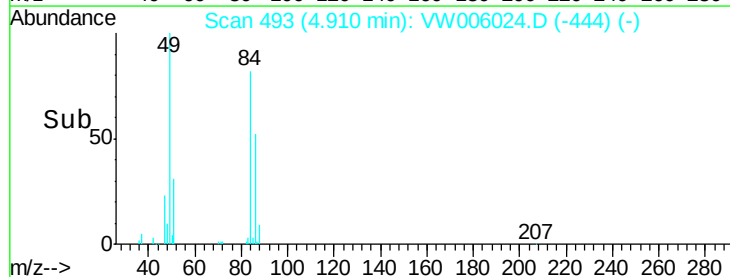
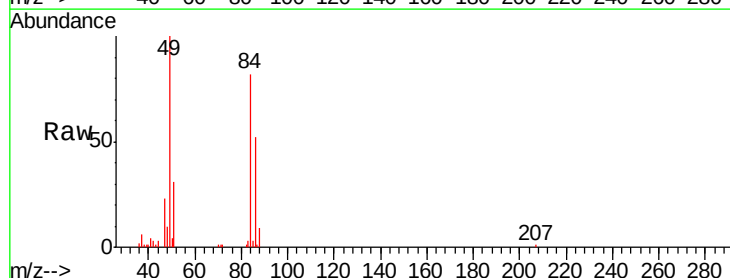
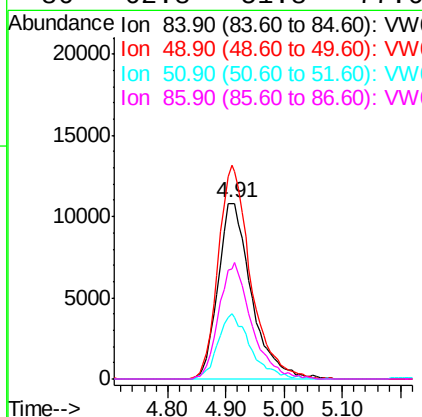
Manual Integrations
APPROVED

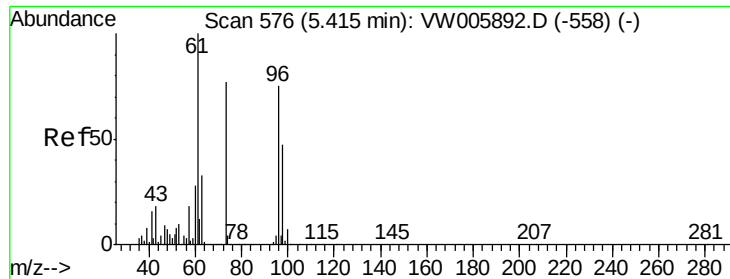
apatel
10/12/2018 11:46:00 AM



#20
Methylene Chloride
Concen: 18.95 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Tgt Ion: 84 Resp: 43132
Ion Ratio Lower Upper
84 100
49 121.4 99.9 149.9
51 37.1 31.1 46.7
86 62.8 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.55 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

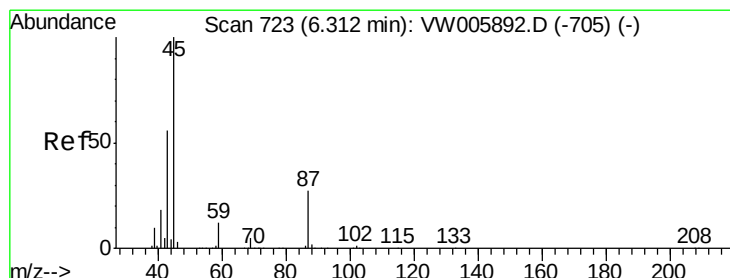
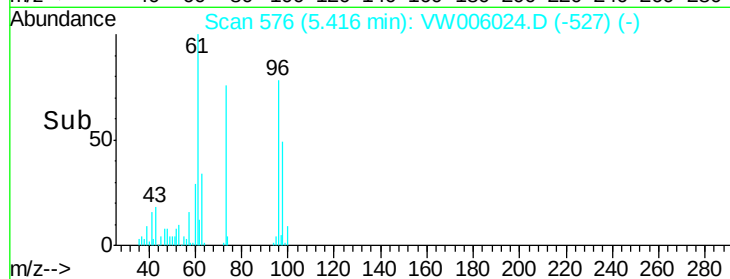
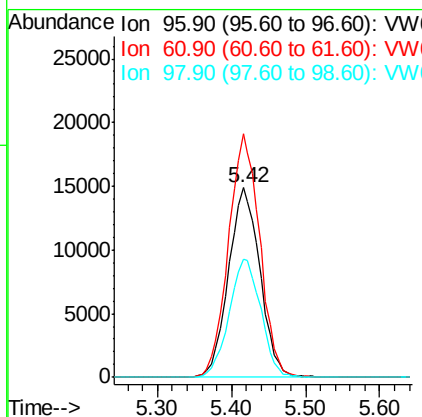
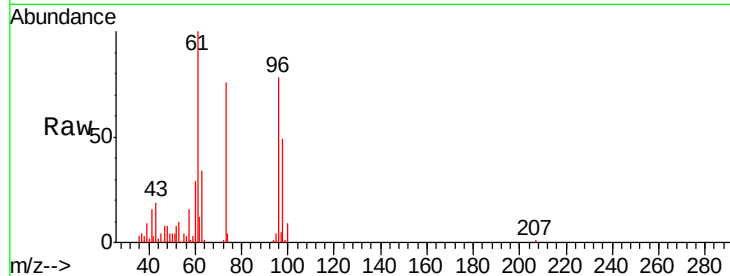
ClientSampleId :

VW1012SBS01

Tgt Ion:	96	Resp:	43956
Ion	Ratio	Lower	Upper
96	100		
61	128.5	107.4	161.0
98	62.6	50.8	76.2

Manual Integrations
APPROVED

apatel
10/12/2018 11:46:00 AM



#22

Diisopropyl ether

Concen: 17.36 ug/l

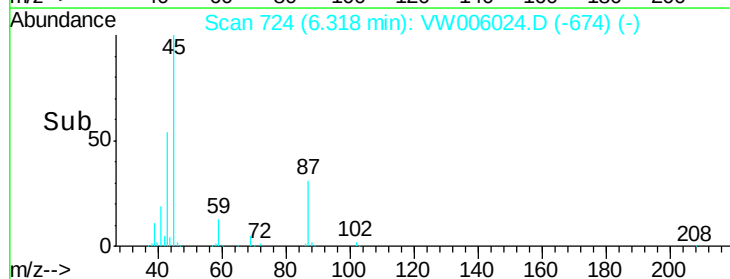
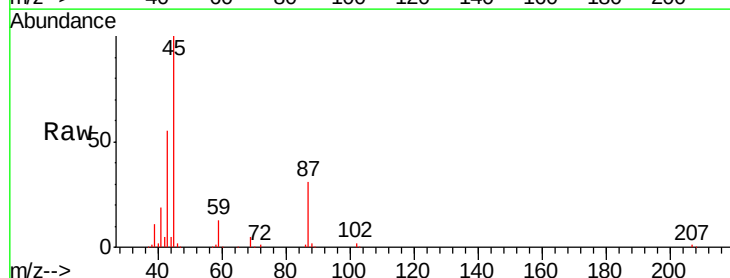
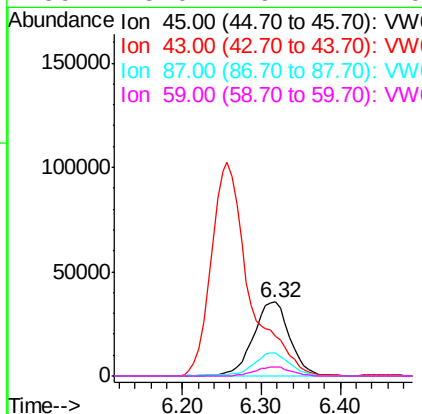
RT: 6.32 min Scan# 724

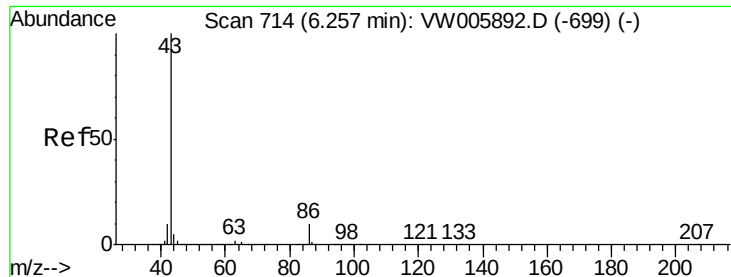
Delta R.T. 0.01 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Tgt Ion:	45	Resp:	114194
Ion	Ratio	Lower	Upper
45	100		
43	53.5	45.9	68.9
87	30.9	22.2	33.4
59	13.0	9.4	14.0





#23

Vinyl Acetate

Concen: 84.64 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW1012SBS01

Tgt Ion: 43 Resp: 342574

Ion Ratio Lower Upper

43 100

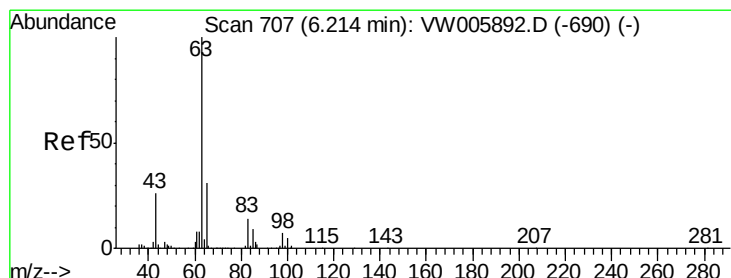
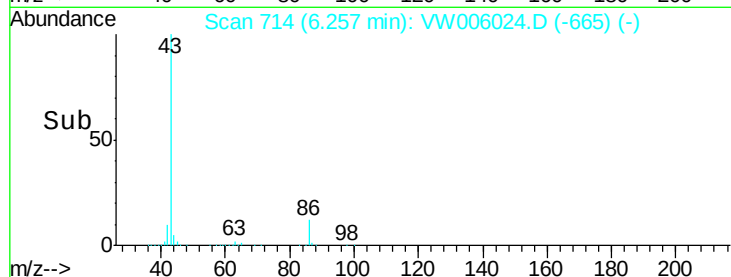
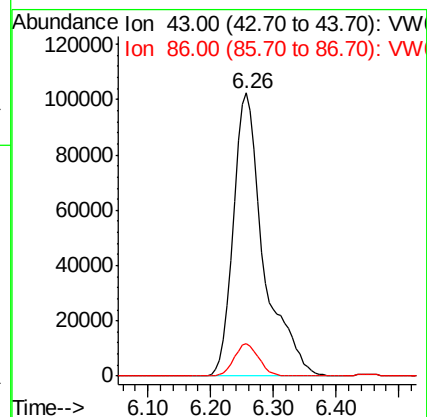
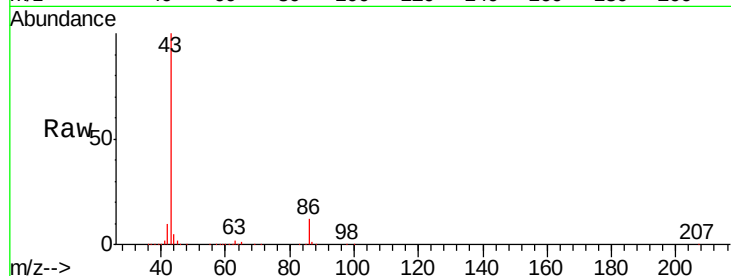
86 11.5 8.2 12.4

Manual Integrations

APPROVED

apatel

10/12/2018 11:46:00 AM



#24

1,1-Dichloroethane

Concen: 18.77 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

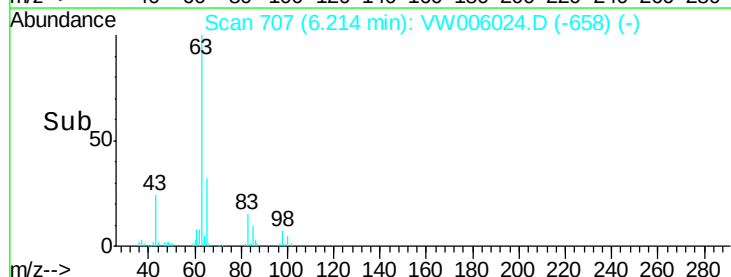
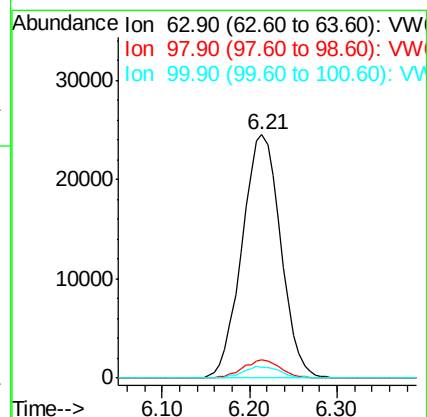
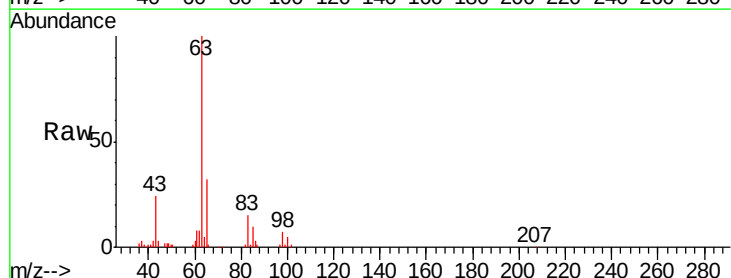
Tgt Ion: 63 Resp: 75533

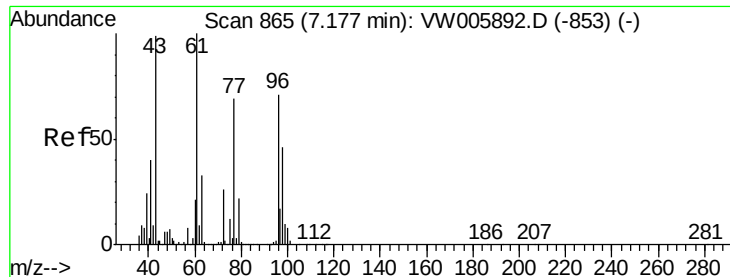
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.6

100 4.6 2.4 7.1





#25

2-Butanone

Concen: 94.33 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampled :

VW1012SBS01

Tgt Ion: 43 Resp: 60966

Ion Ratio Lower Upper

43 100

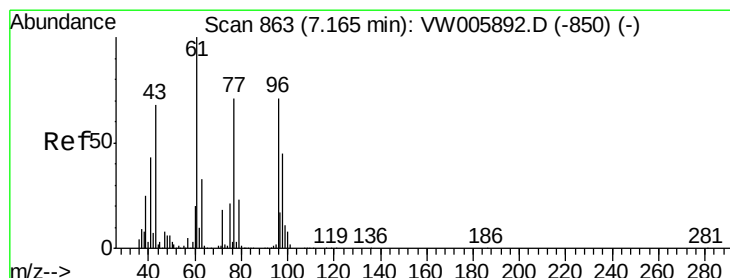
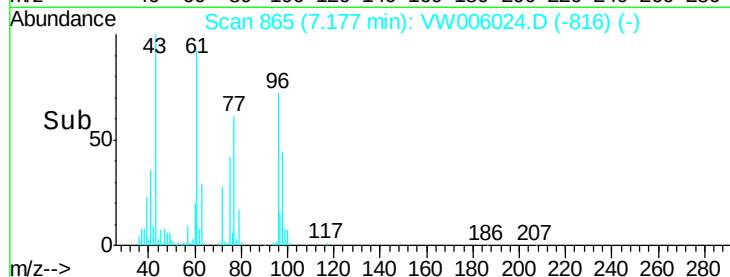
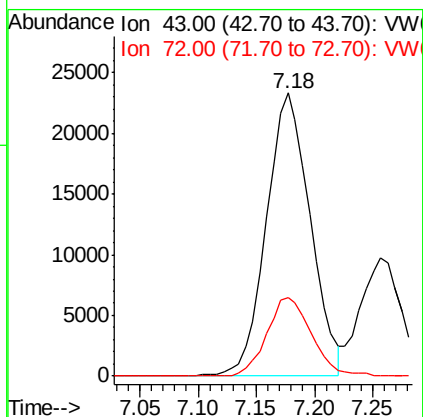
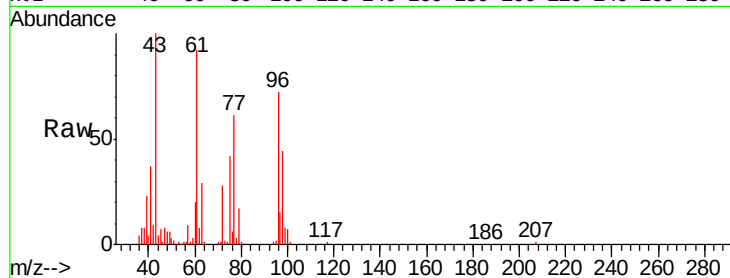
72 27.8 21.0 31.4

Manual Integrations

APPROVED

apatel

10/12/2018 11:46:00 AM



#26

2,2-Dichloropropane

Concen: 17.72 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW006024.D

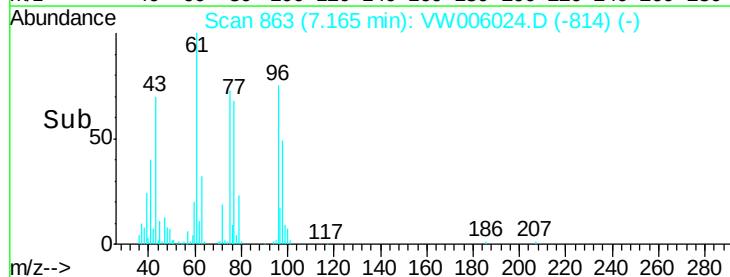
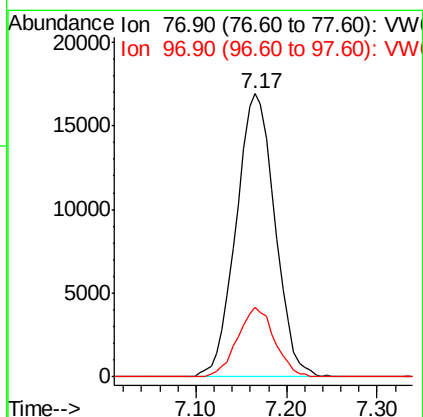
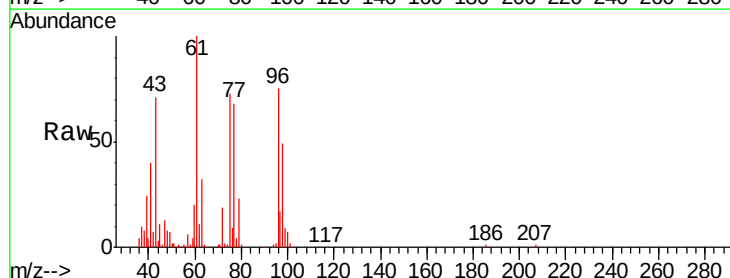
Acq: 11 Oct 2018 11:45

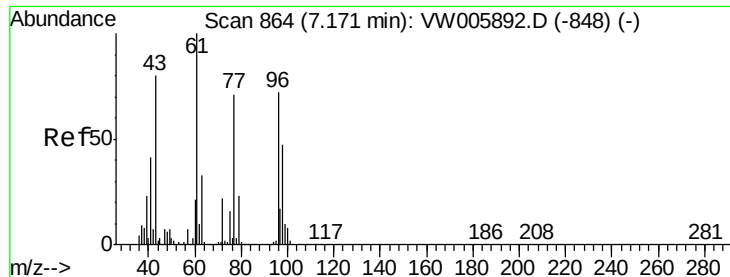
Tgt Ion: 77 Resp: 50184

Ion Ratio Lower Upper

77 100

97 23.3 11.9 35.7





#27

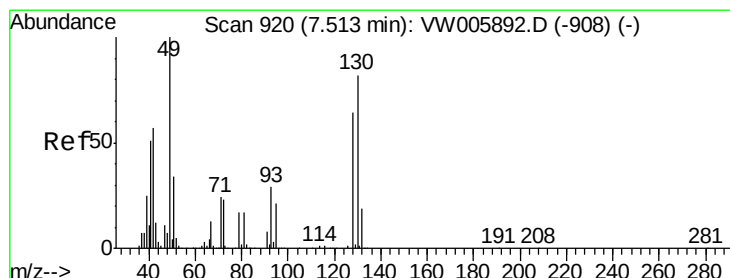
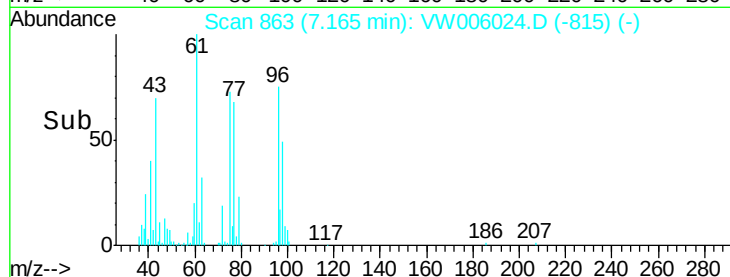
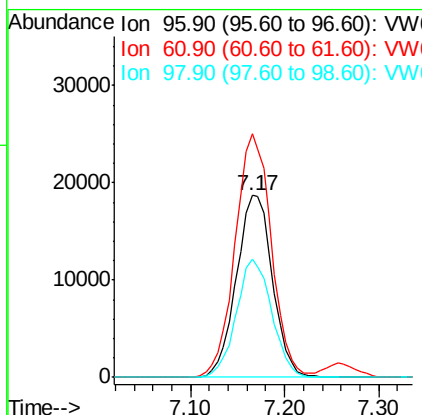
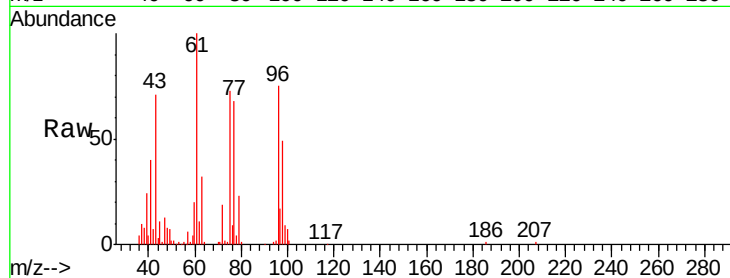
cis-1,2-Dichloroethene
Concen: 19.72 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	134.0	0.0	284.0
98	63.7	0.0	129.8

Manual Integrations
APPROVED

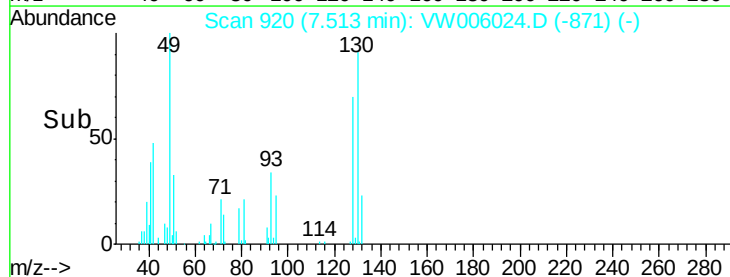
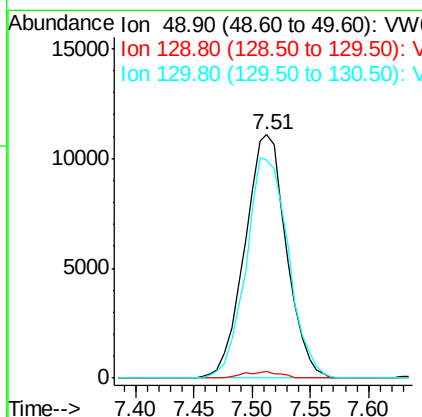
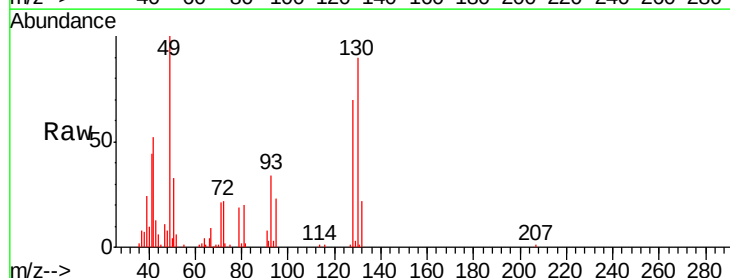
apatel
10/12/2018 11:46:00 AM

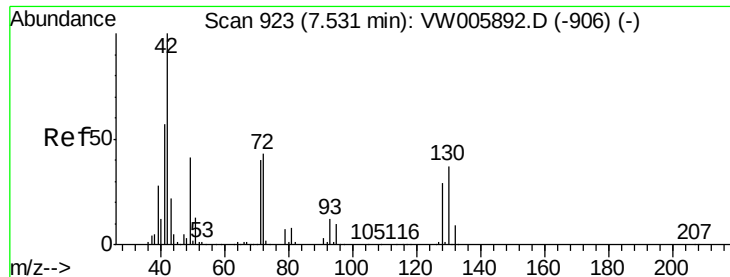


#28

Bromochloromethane
Concen: 18.57 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	5.0
130	92.1	66.9	100.3





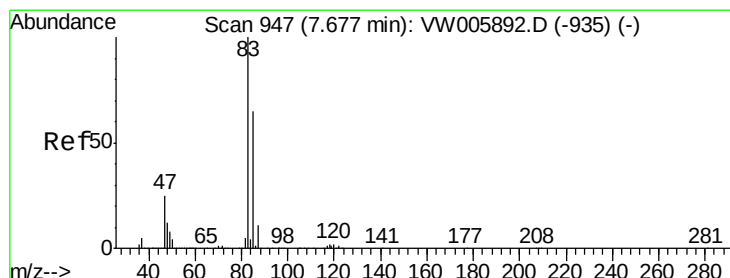
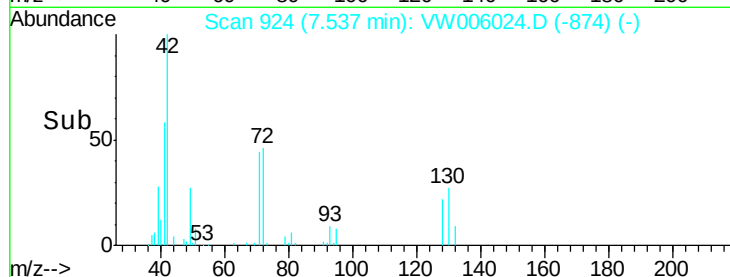
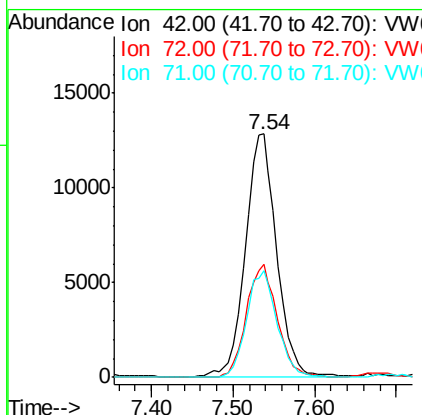
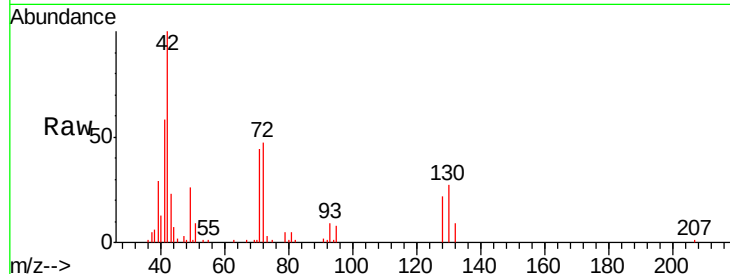
#29
Tetrahydrofuran
Concen: 83.90 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	45.7	34.6	51.8
71	42.9	32.6	49.0

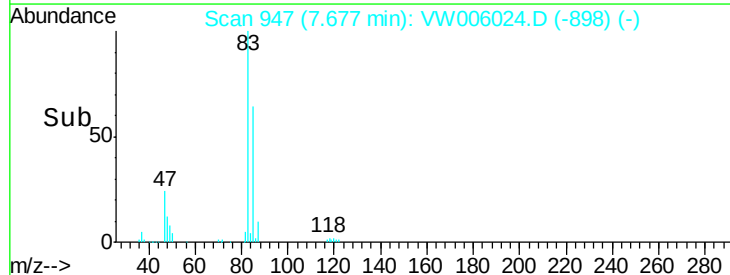
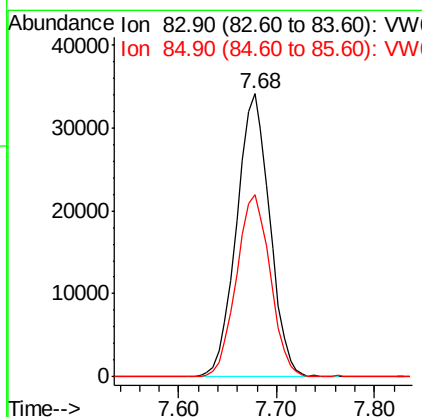
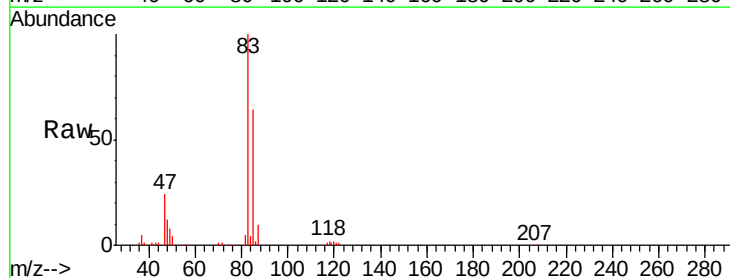
Manual Integrations
APPROVED

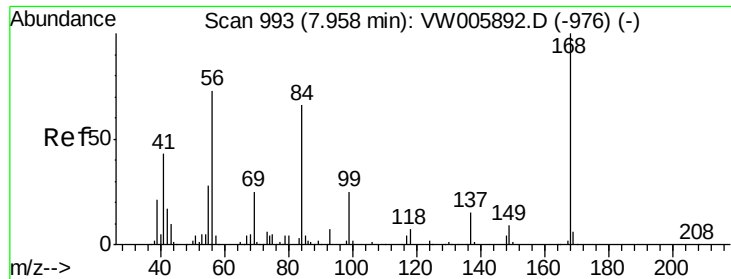
apatel
10/12/2018 11:46:00 AM



#30
Chloroform
Concen: 19.40 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.6	77.4





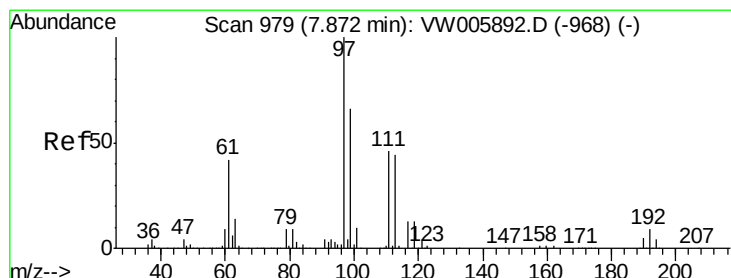
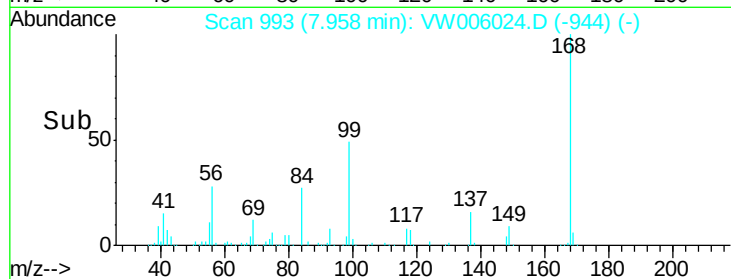
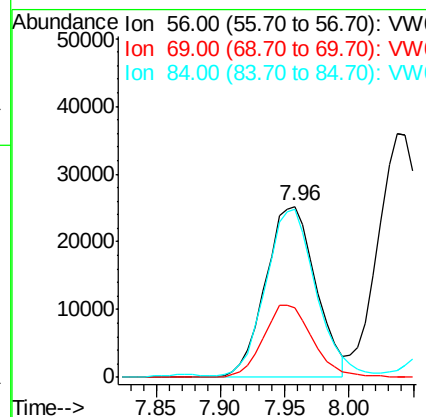
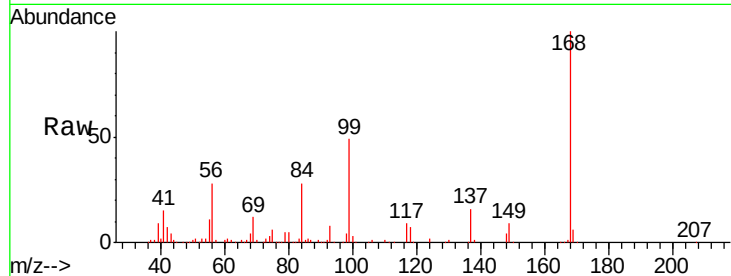
#31
Cyclohexane
Concen: 17.19 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	41.0	27.9	41.9
84	96.6	72.3	108.5

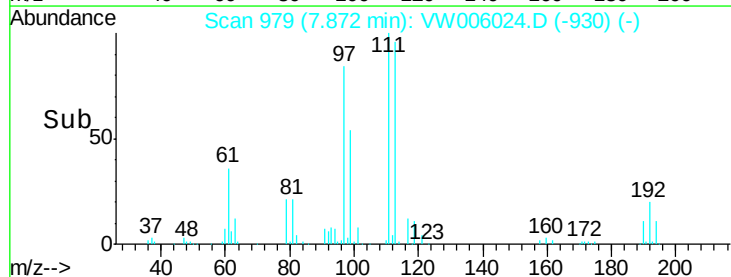
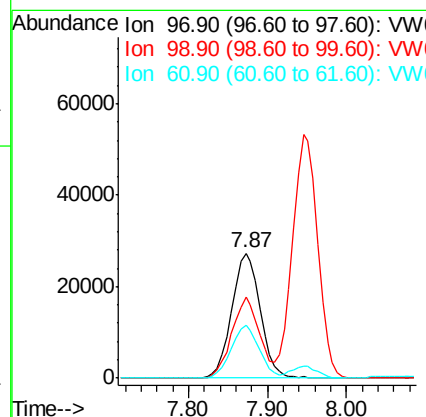
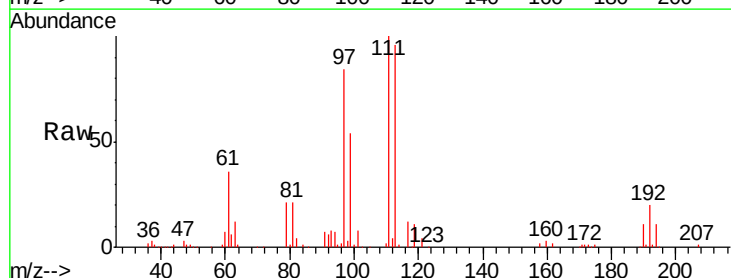
Manual Integrations
APPROVED

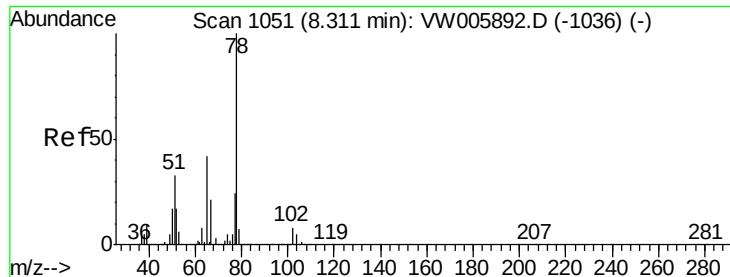
apatel
10/12/2018 11:46:00 AM



#32
1,1,1-Trichloroethane
Concen: 18.59 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.6	77.4
61	41.8	34.5	51.7





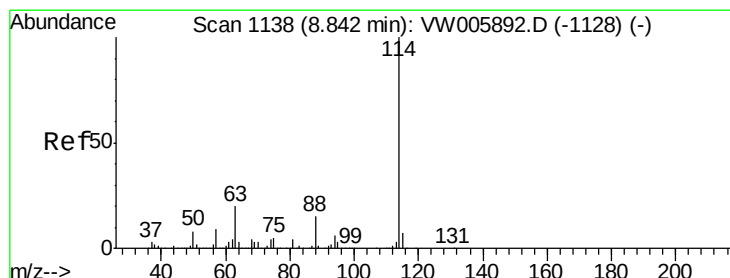
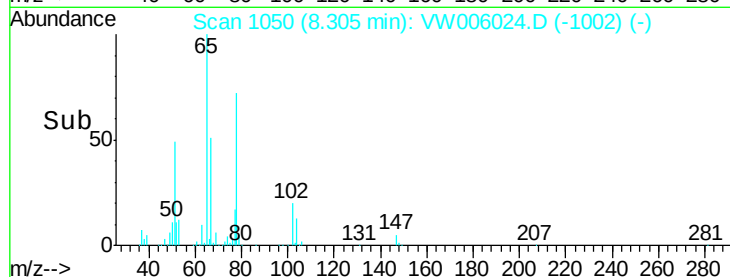
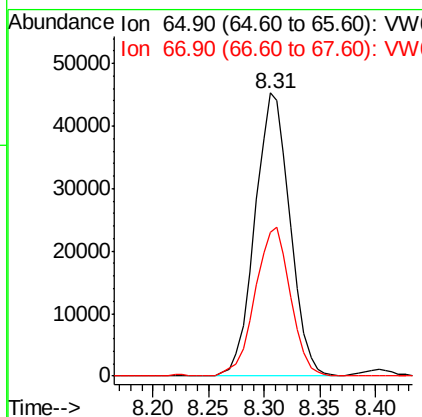
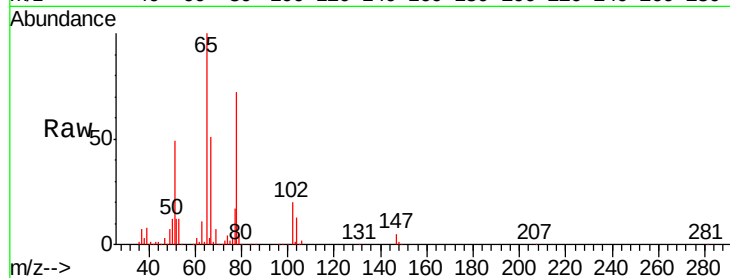
#33
 1,2-Dichloroethane-d4
 Concen: 43.67 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1012SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	99350		
67	53.1	0.0	104.6	

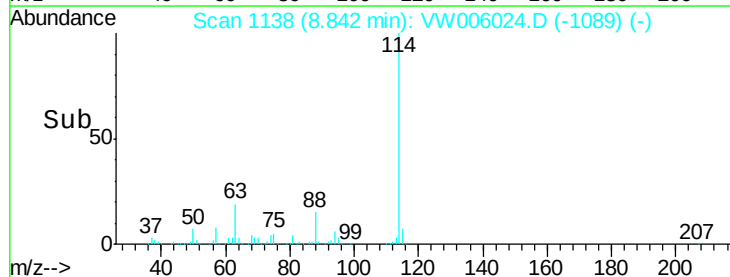
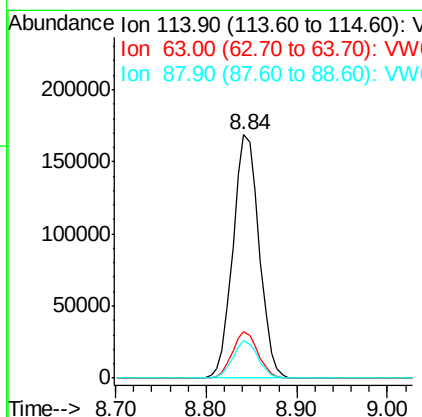
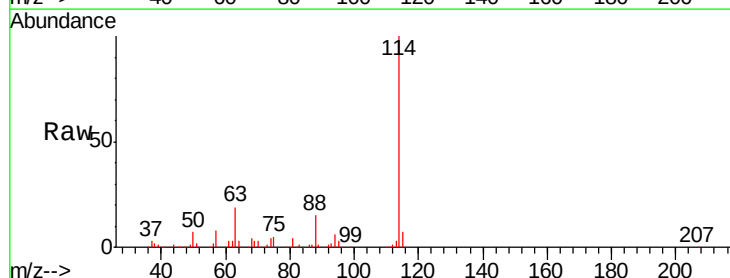
Manual Integrations
 APPROVED

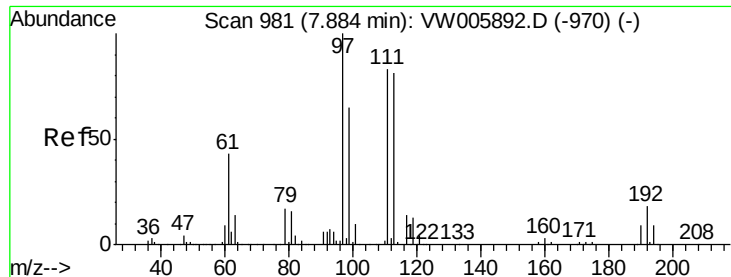
apatel
 10/12/2018 11:46:00 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	337147		
63	18.9	0.0	39.2	
88	15.2	0.0	30.8	





#35

Dibromofluoromethane

Concen: 47.87 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW006024.D

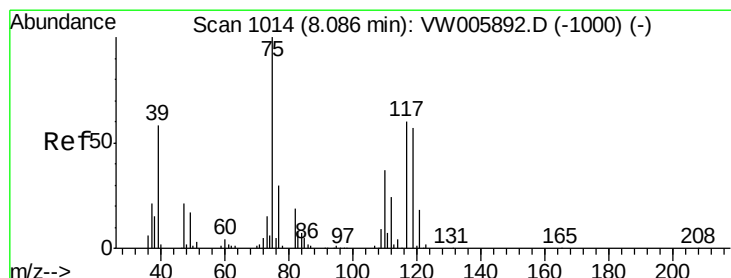
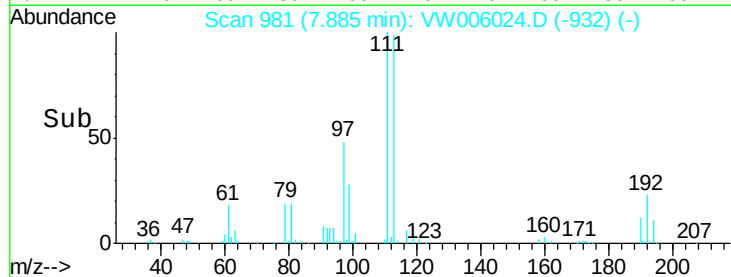
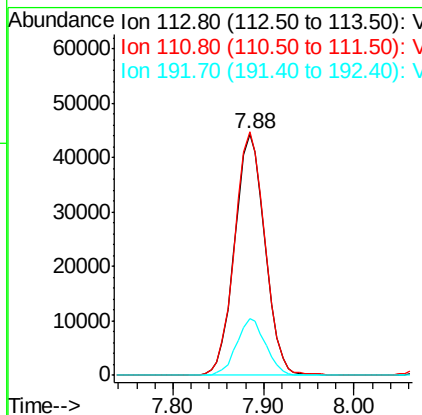
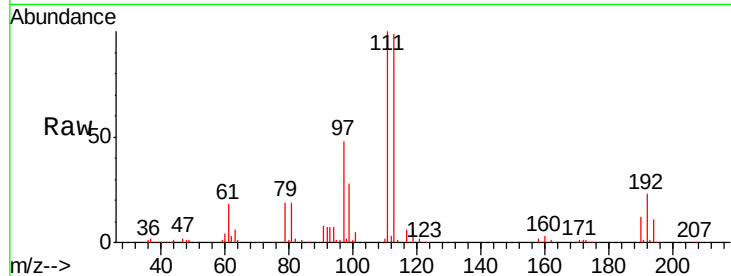
Acq: 11 Oct 2018 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

Tgt Ion:	113	Resp:	103050
Ion Ratio	Lower	Upper	
113	100		
111	101.5	82.0	123.0
192	22.7	18.3	27.5

Manual Integrations
APPROVED

apatel
10/12/2018 11:46:00 AM



#36

1,1-Dichloropropene

Concen: 19.88 ug/l

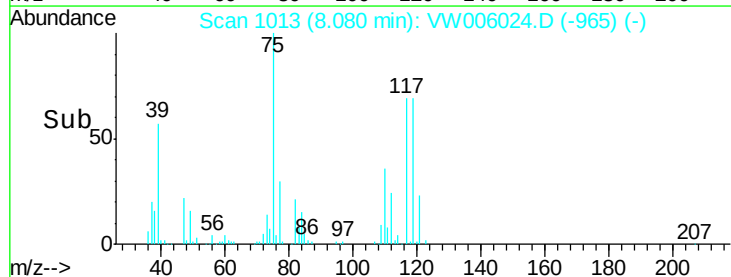
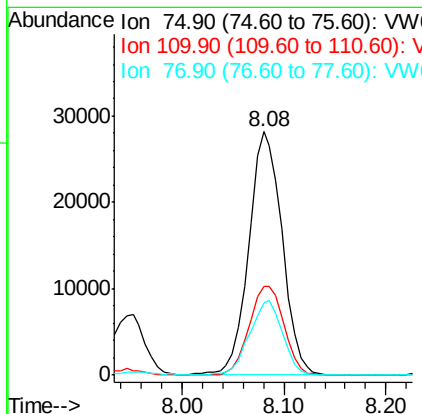
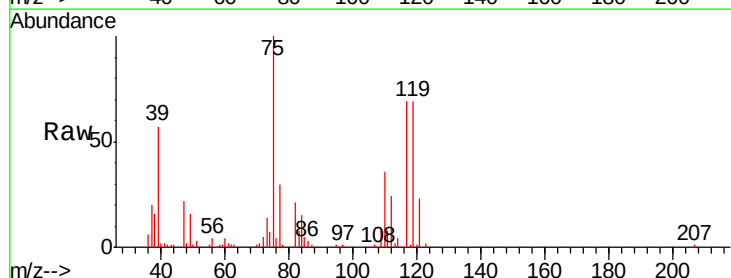
RT: 8.08 min Scan# 1013

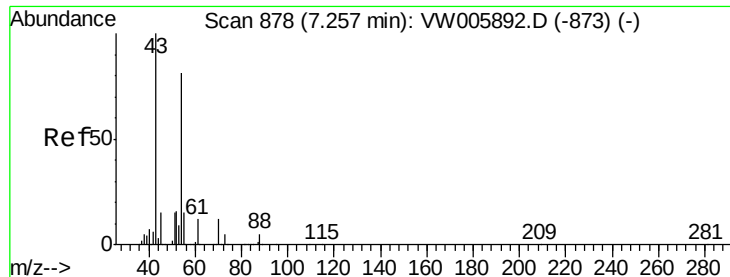
Delta R.T. -0.01 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Tgt Ion:	75	Resp:	64215
Ion Ratio	Lower	Upper	
75	100		
110	37.7	18.6	56.0
77	30.5	24.7	37.1





#37

Ethyl Acetate

Concen: 18.30 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

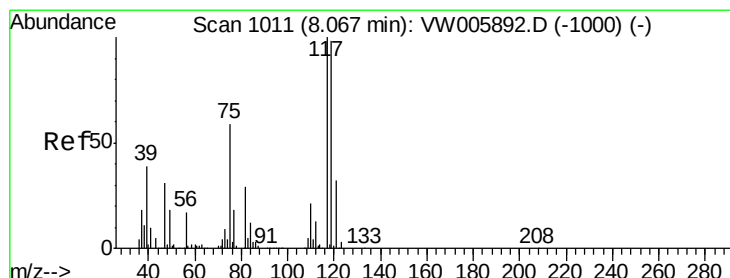
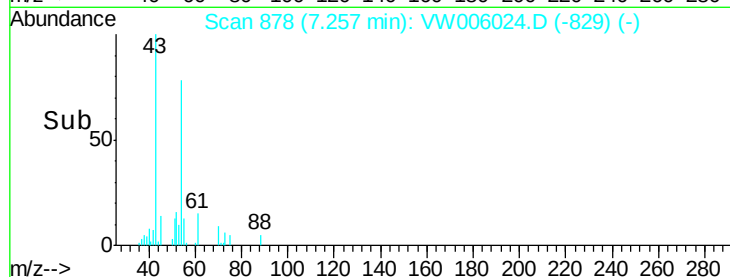
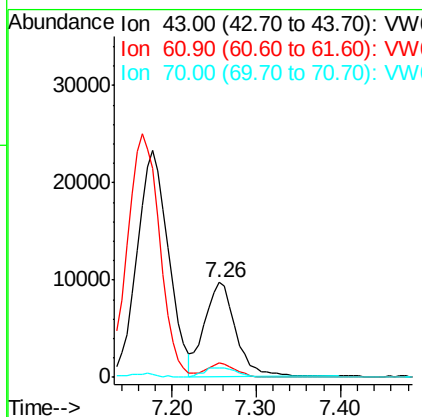
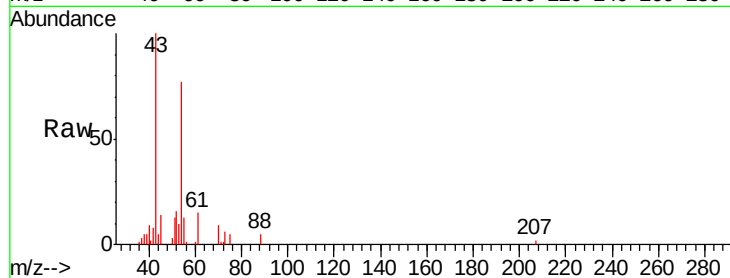
ClientSampleId :

VW1012SBS01

Tgt Ion:	43	Resp:	25039
Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.6	16.0
70	10.8	8.6	13.0

Manual Integrations
APPROVED

apatel
10/12/2018 11:46:00 AM



#38

Carbon Tetrachloride

Concen: 18.48 ug/l

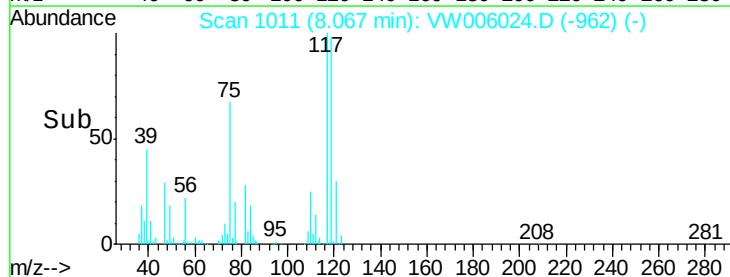
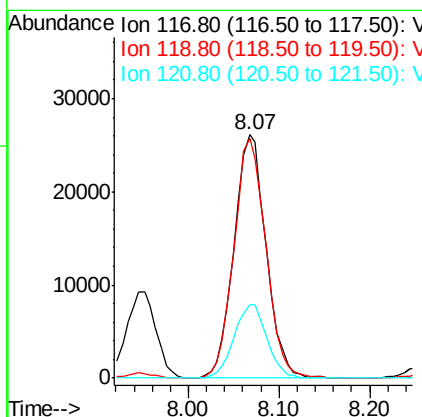
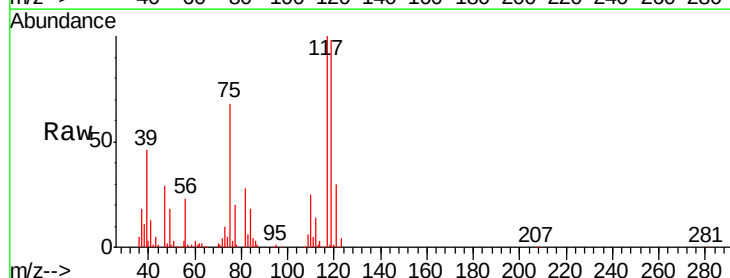
RT: 8.07 min Scan# 1011

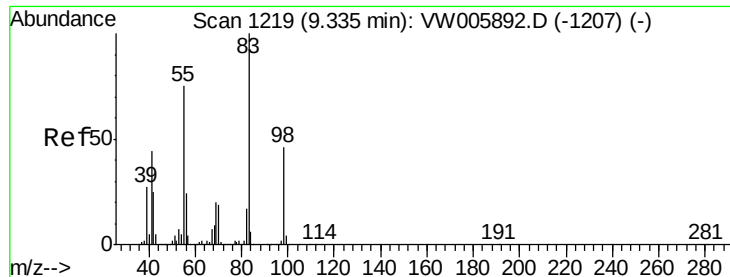
Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Tgt Ion:	117	Resp:	64141
Ion	Ratio	Lower	Upper
117	100		
119	98.3	78.6	117.8
121	30.2	25.3	37.9





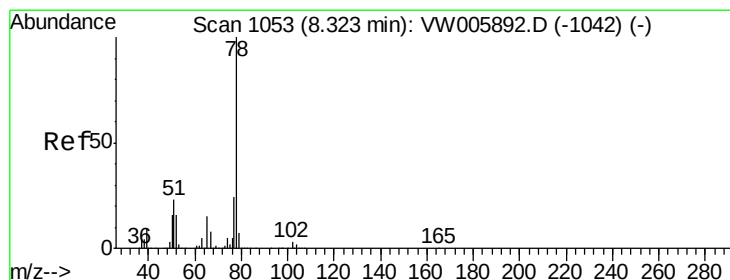
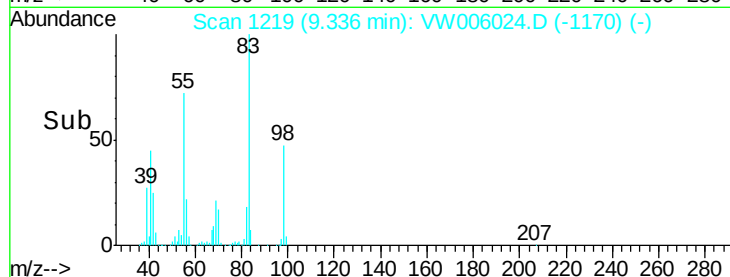
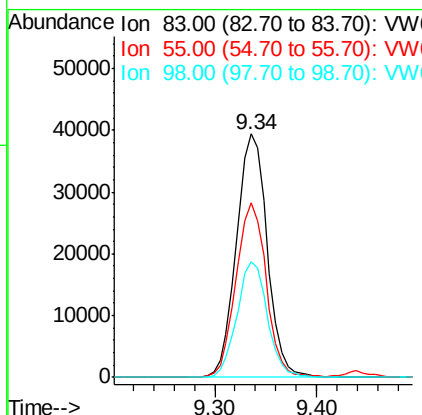
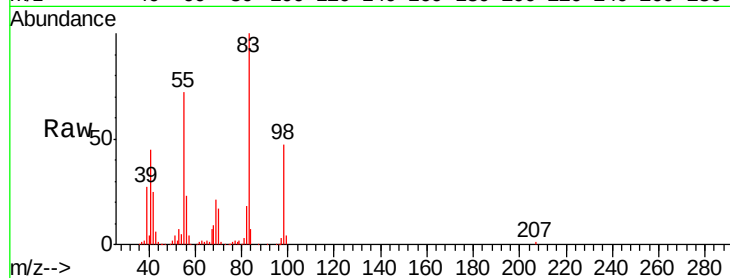
#39
Methylcyclohexane
Concen: 19.36 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	71.4	59.8	89.6
98	47.4	37.1	55.7

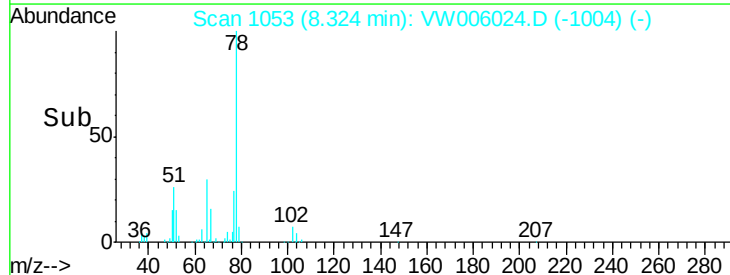
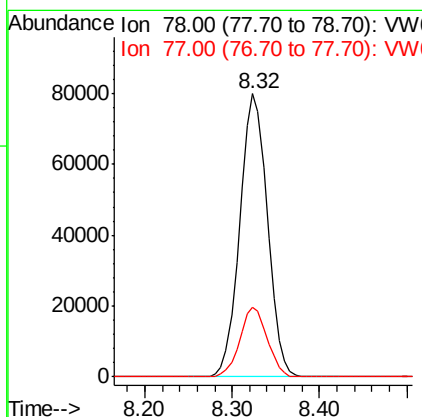
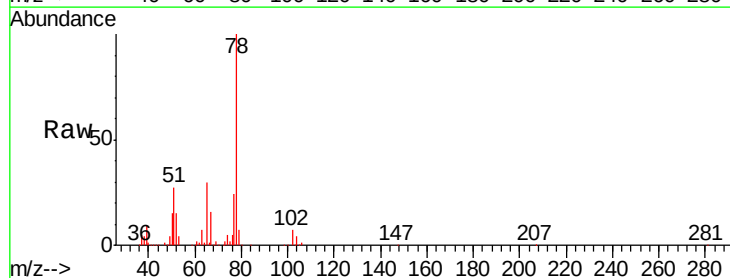
Manual Integrations
APPROVED

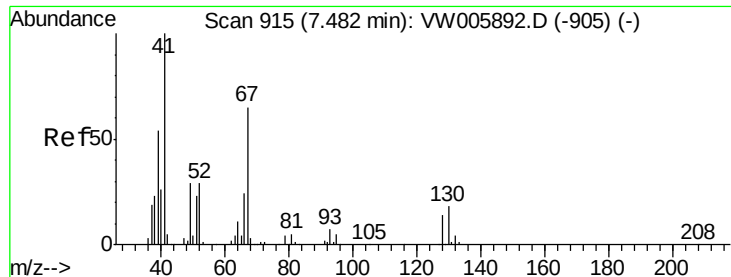
apatel
10/12/2018 11:46:00 AM



#40
Benzene
Concen: 19.81 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.1	28.7





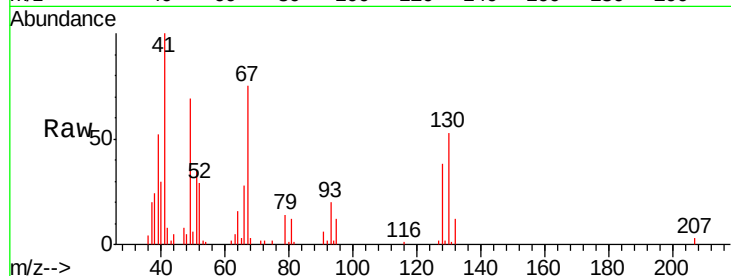
#41
Methacrylonitrile
Concen: 17.24 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.4	45.0	67.4
67	72.9	55.8	83.8
52	30.6	25.3	37.9

Manual Integrations
APPROVED

apatel
10/12/2018 11:46:00 AM



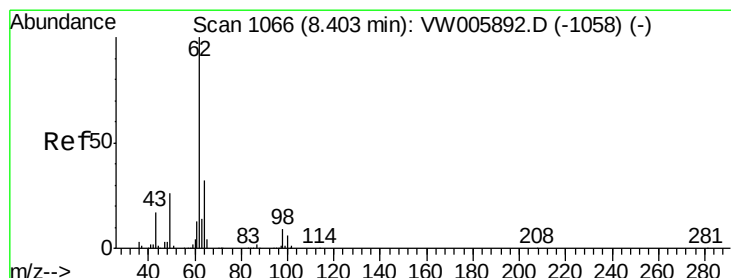
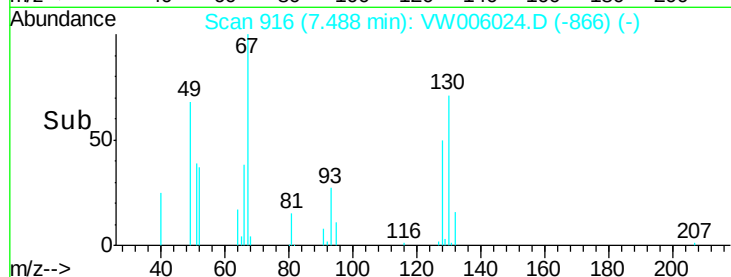
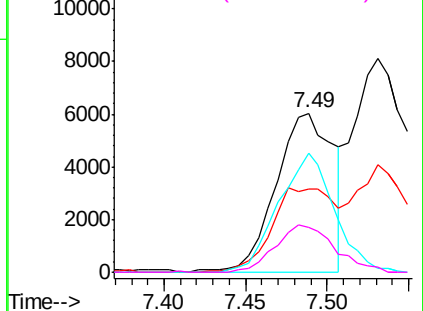
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

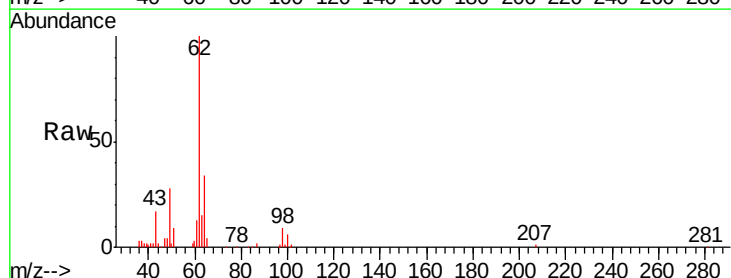
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 18.88 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

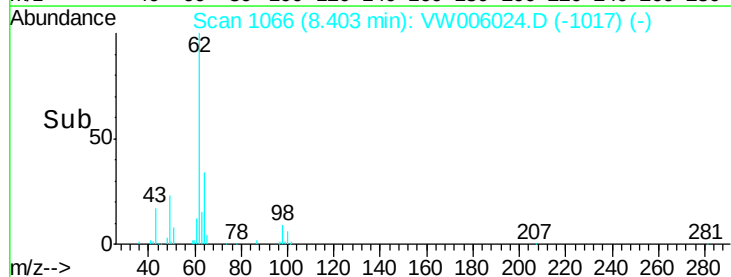
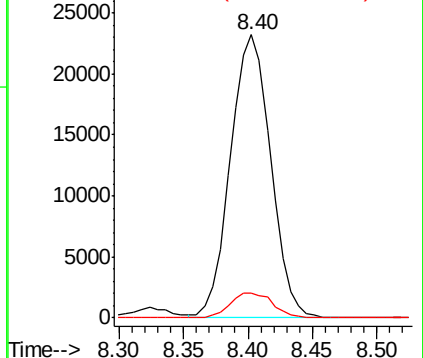
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.0

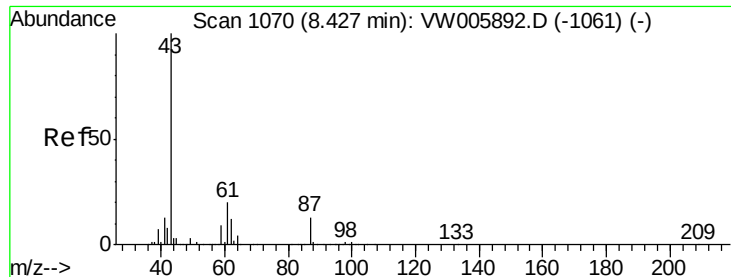


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 17.15 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

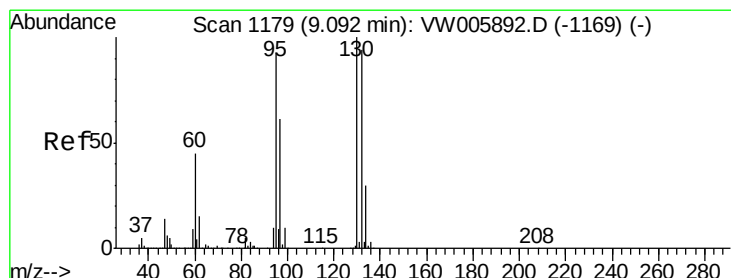
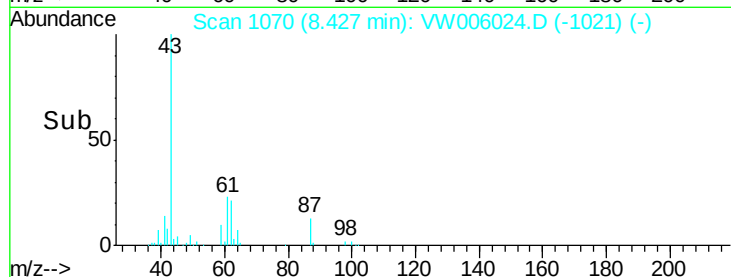
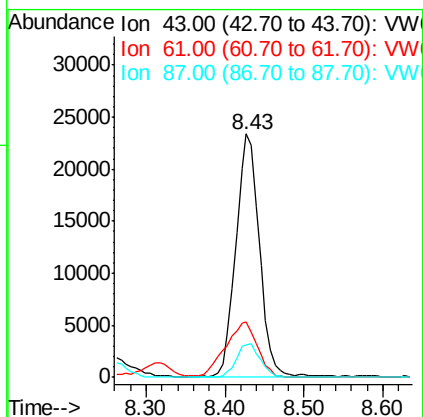
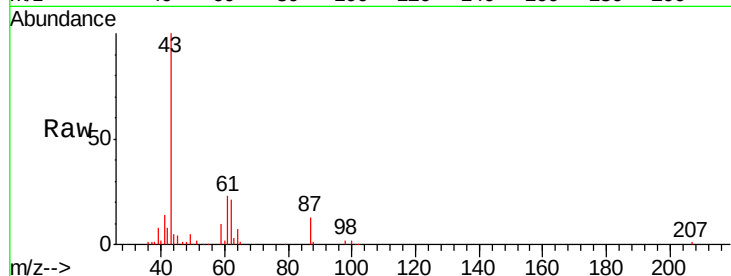
ClientSampleId :

VW1012SBS01

Tgt Ion:	43	Resp:	48997
Ion	Ratio	Lower	Upper
43	100		
61	30.7	23.1	34.7
87	13.9	10.7	16.1

Manual Integrations
APPROVED

apatel
10/12/2018 11:46:00 AM



#44

Trichloroethene

Concen: 20.72 ug/l

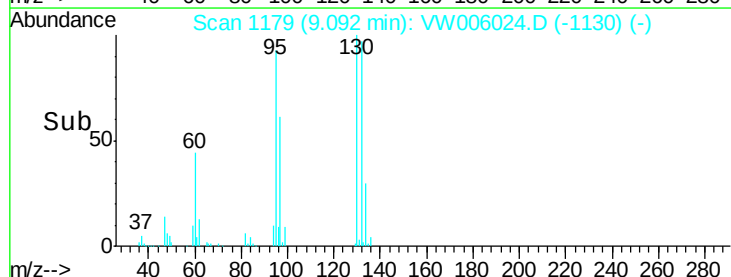
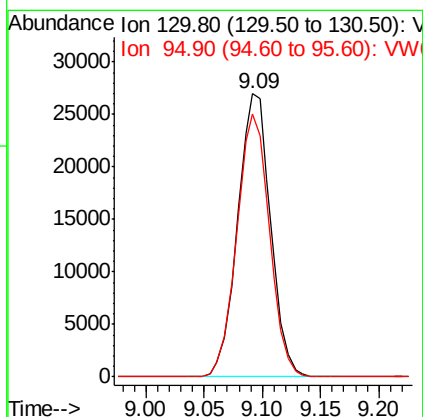
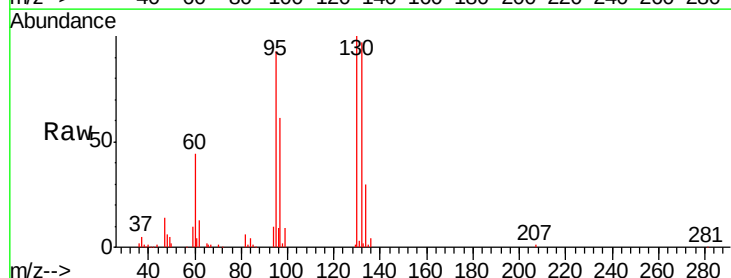
RT: 9.09 min Scan# 1179

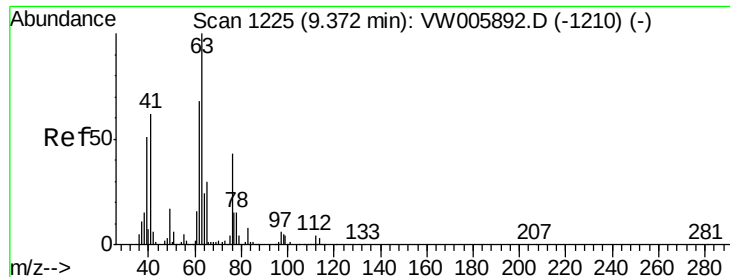
Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Tgt Ion:	130	Resp:	53154
Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	185.6





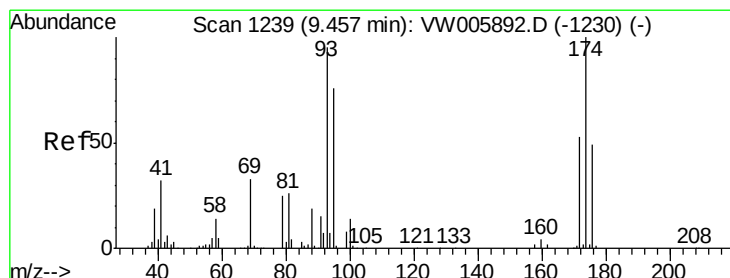
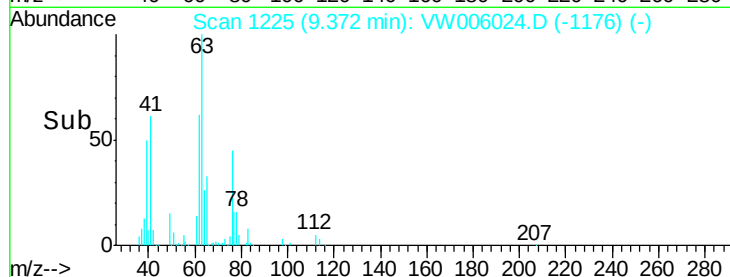
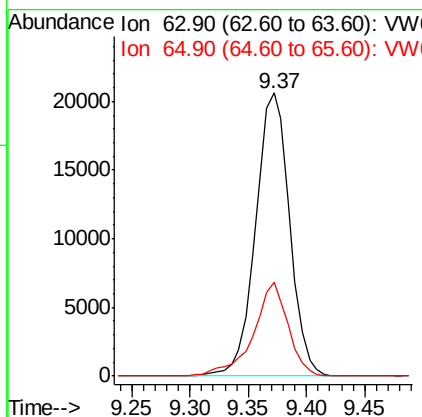
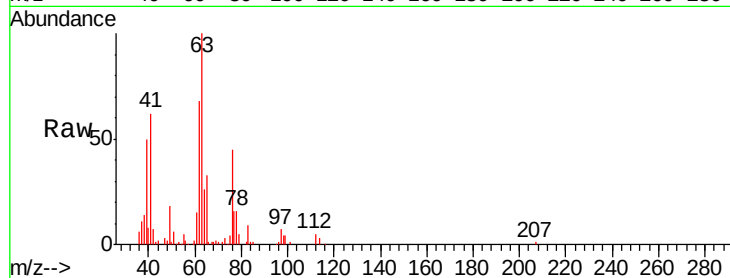
#45
 1,2-Dichloropropane
 Concen: 18.97 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1012SBS01

Tgt Ion	Ratio	Lower	Upper
63	100		
65	33.3	24.3	36.5

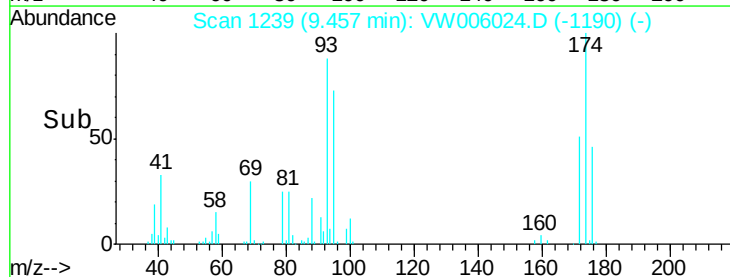
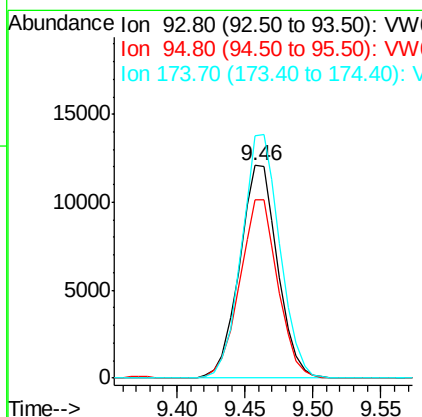
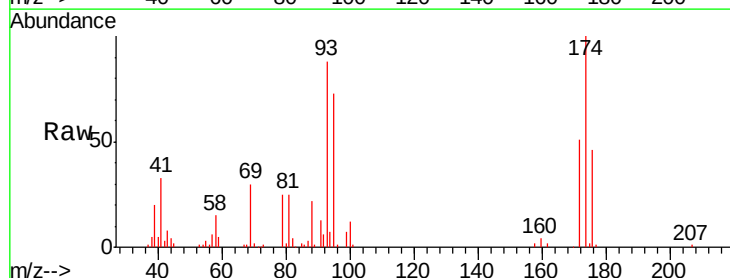
Manual Integrations
 APPROVED

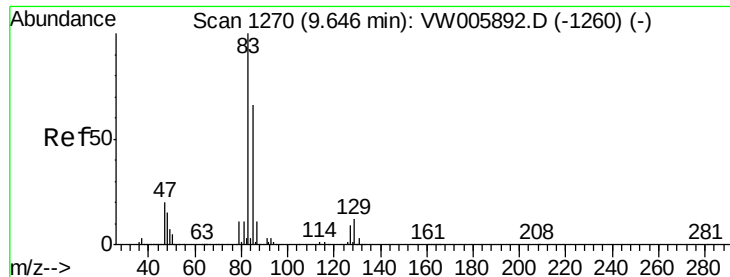
apatel
 10/12/2018 11:46:00 AM



#46
 Dibromomethane
 Concen: 19.43 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	66.6	99.8
174	114.7	90.4	135.6





#47

Bromodichloromethane

Concen: 18.38 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

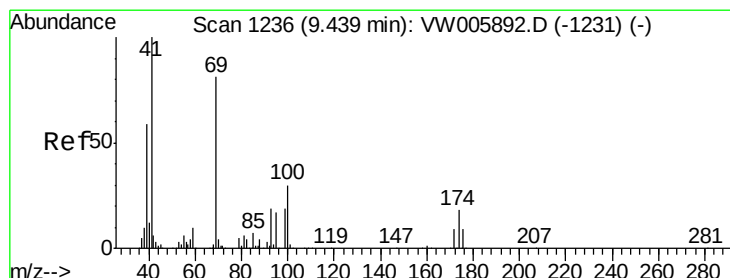
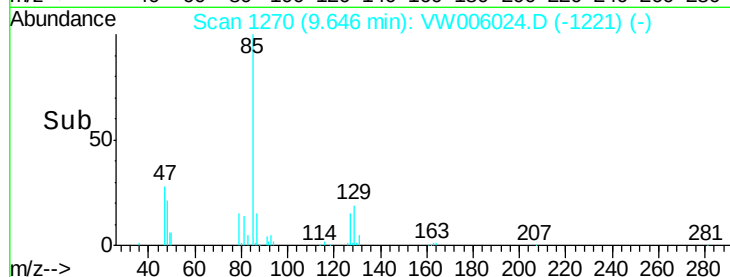
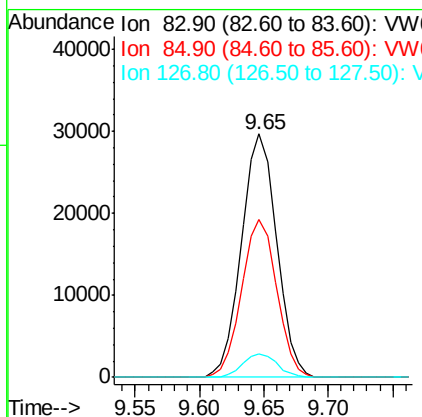
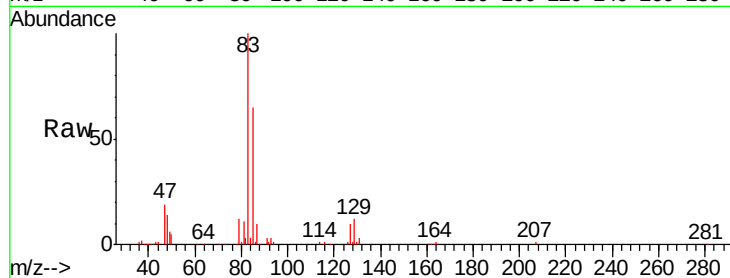
ClientSampleId :

VW1012SBS01

Tgt Ion:	83	Resp:	56254
Ion	Ratio	Lower	Upper
83	100		
85	65.0	53.0	79.6
127	9.8	7.4	11.0

Manual Integrations
APPROVED

apatel
10/12/2018 11:46:00 AM



#48

Methyl methacrylate

Concen: 16.65 ug/l

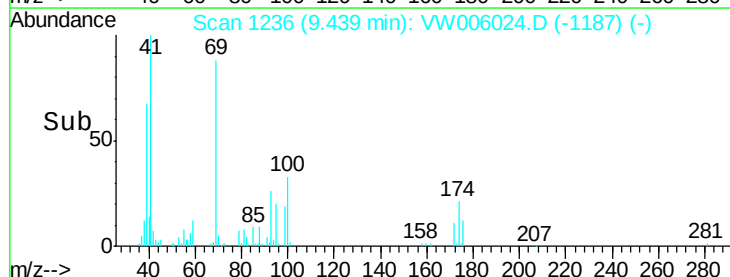
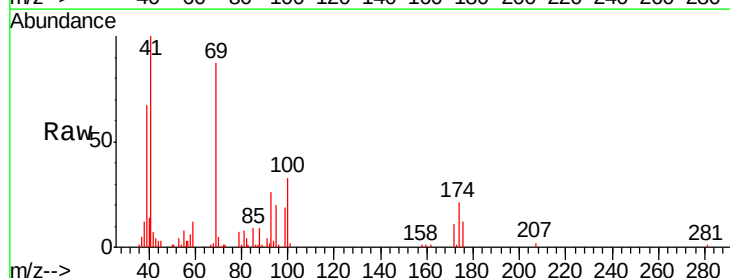
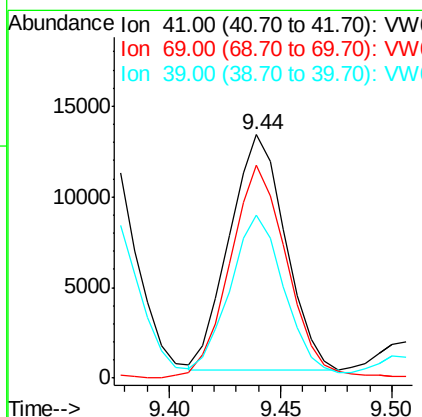
RT: 9.44 min Scan# 1236

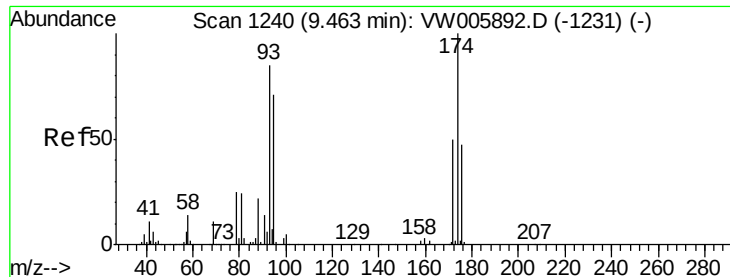
Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Tgt Ion:	41	Resp:	22664
Ion	Ratio	Lower	Upper
41	100		
69	93.1	68.7	103.1
39	64.3	50.0	75.0





#49

1,4-Dioxane

Concen: 400.45 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

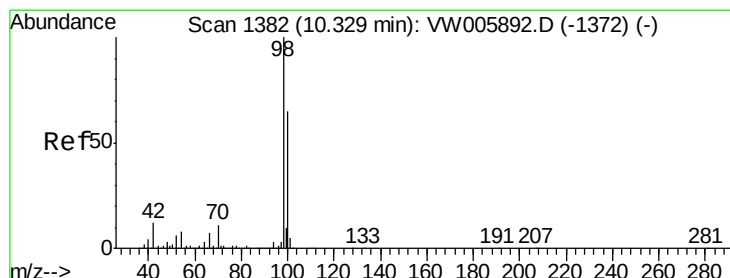
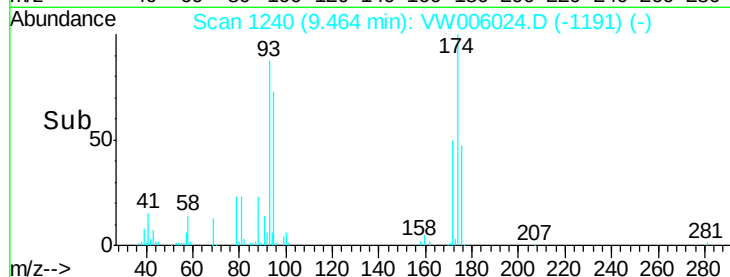
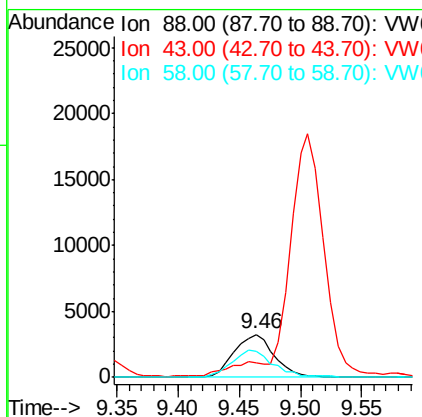
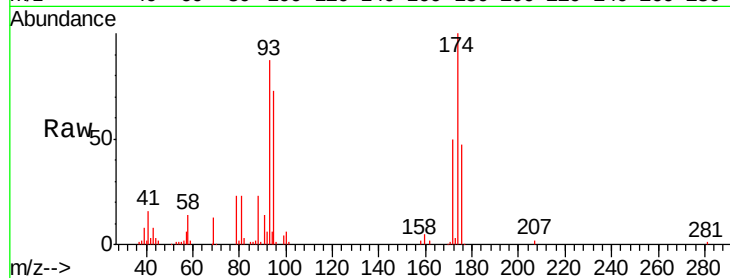
ClientSampleId :

VW1012SBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	29.2	0.0	0.0#
58	66.1	57.7	86.5

Manual Integrations
APPROVED

apatel
10/12/2018 11:46:00 AM



#50

Toluene-d8

Concen: 47.89 ug/l

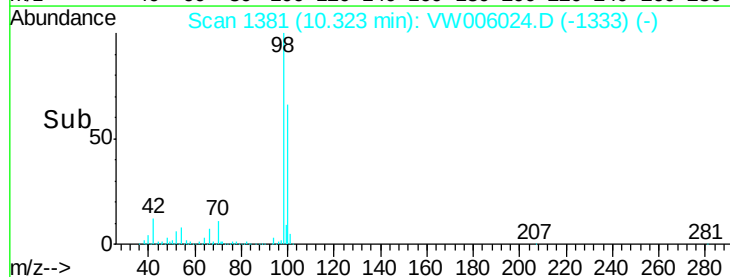
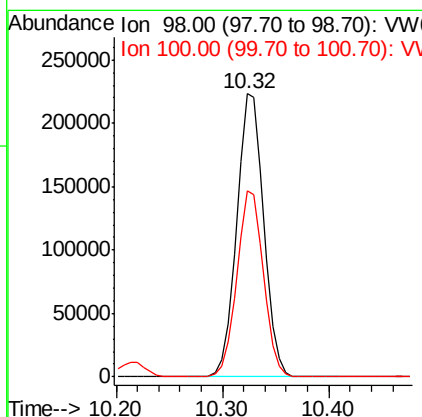
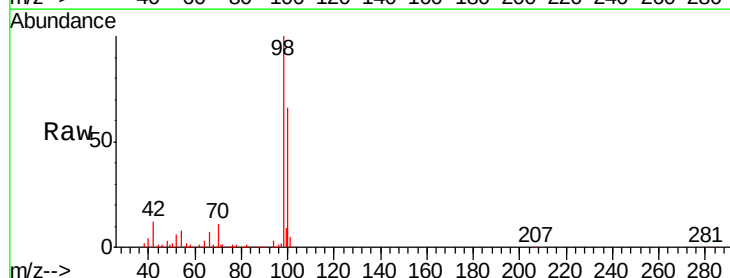
RT: 10.32 min Scan# 1381

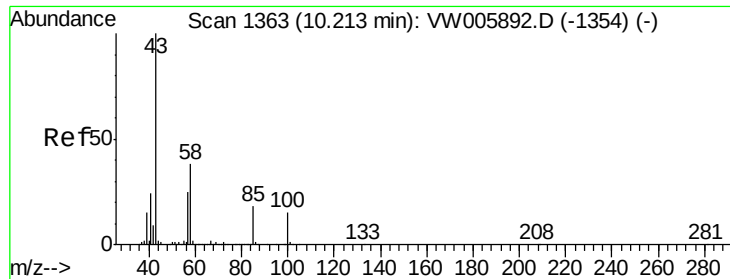
Delta R.T. -0.01 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.9	77.9





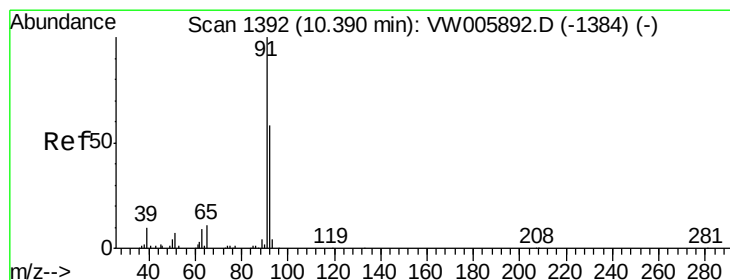
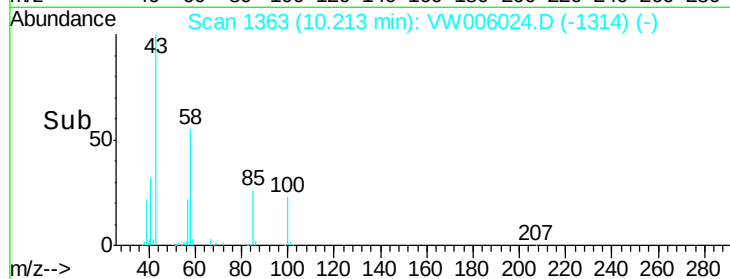
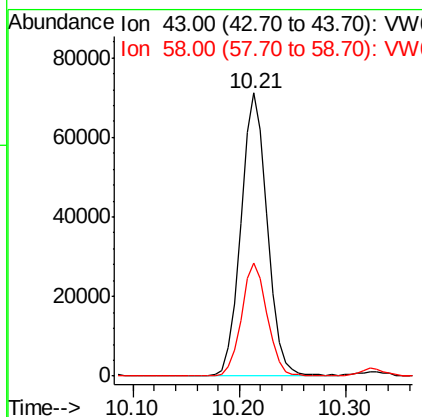
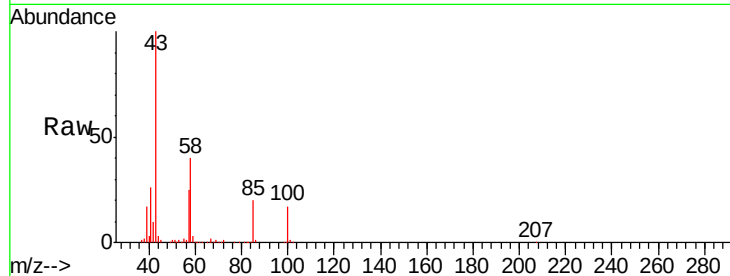
#51
 4-Methyl-2-Pentanone
 Concen: 88.53 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1012SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.2	30.2	45.4

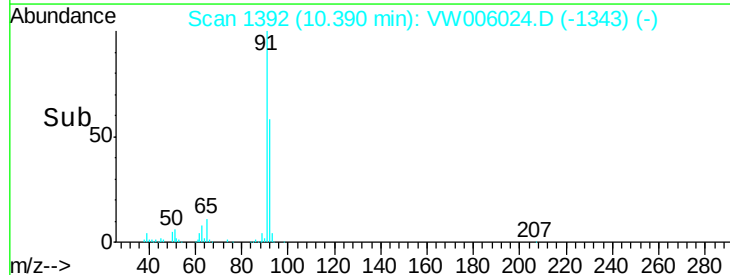
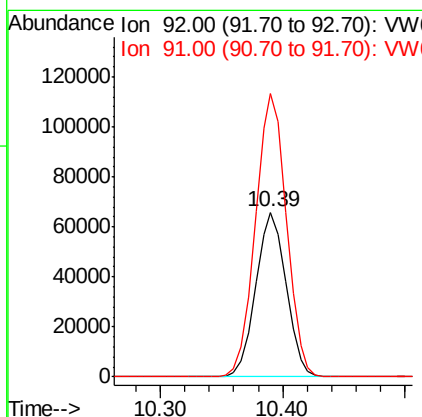
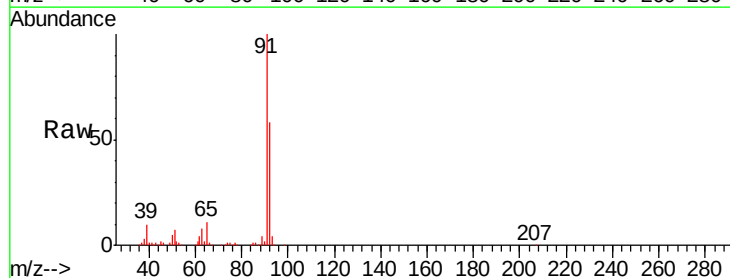
Manual Integrations
 APPROVED

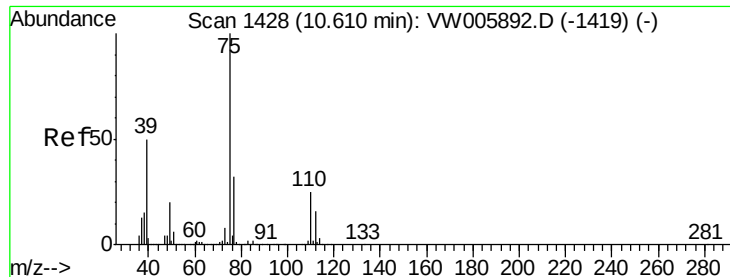
apatel
 10/12/2018 11:46:00 AM



#52
 Toluene
 Concen: 19.64 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.8	138.2	207.4





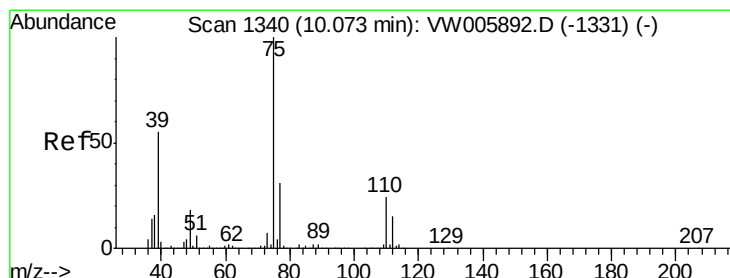
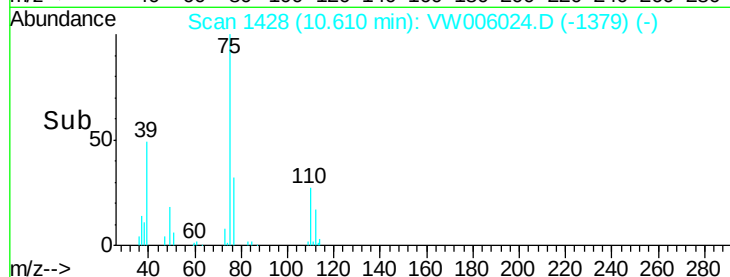
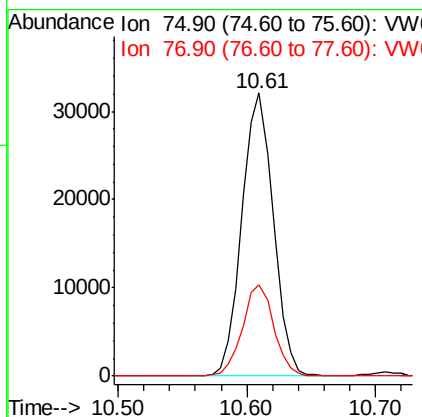
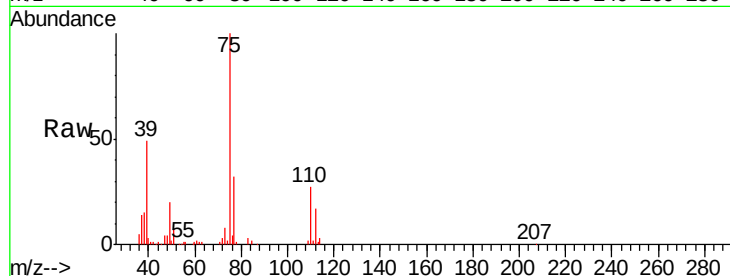
#53
t-1,3-Dichloropropene
Concen: 16.90 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

Tgt Ion: 75 Resp: 54052
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2

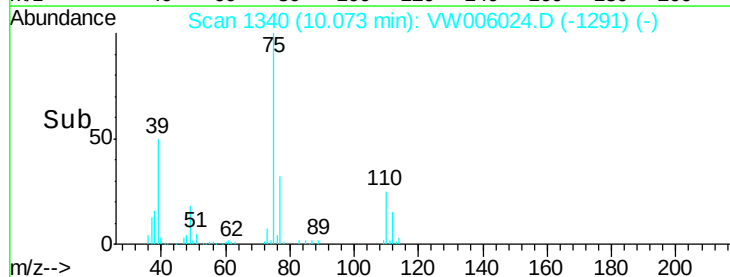
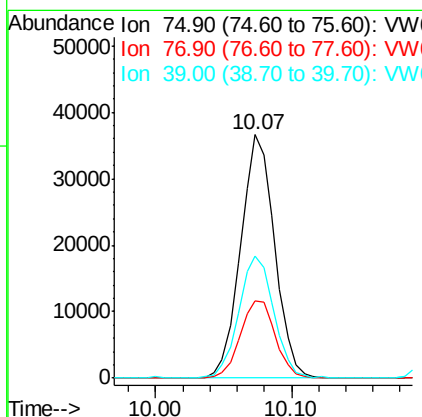
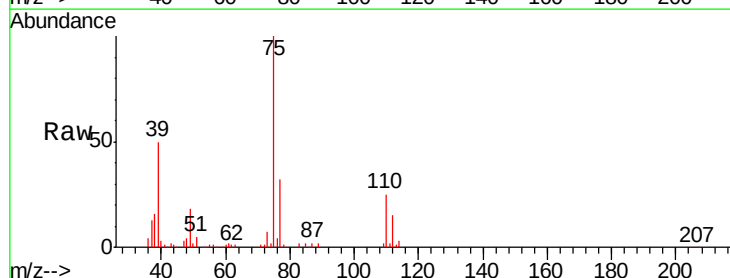
Manual Integrations
APPROVED

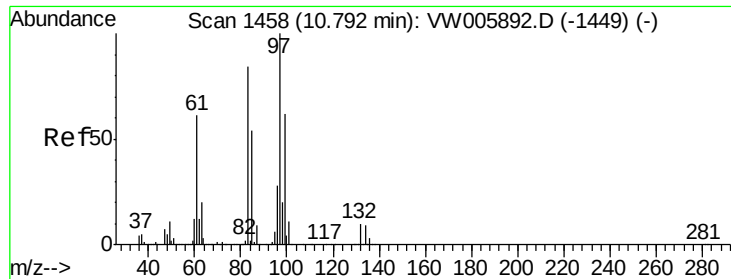
apatel
10/12/2018 11:46:00 AM



#54
cis-1,3-Dichloropropene
Concen: 17.75 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Tgt Ion: 75 Resp: 63815
Ion Ratio Lower Upper
75 100
77 31.9 24.6 37.0
39 50.3 44.2 66.4





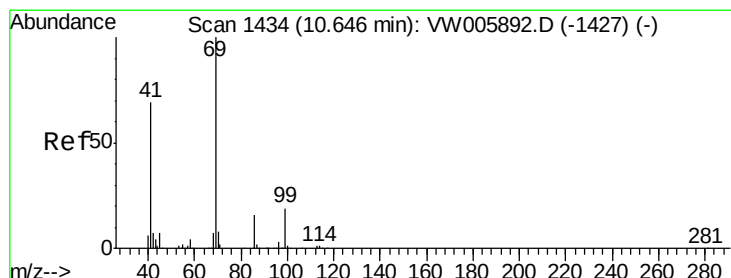
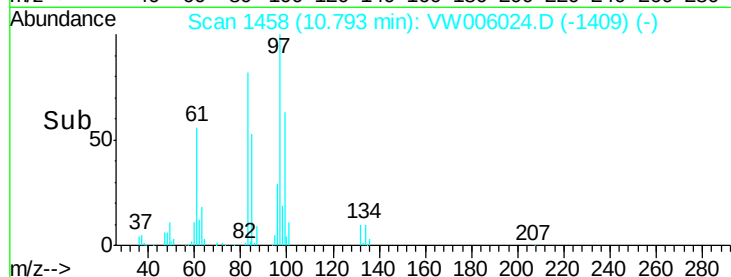
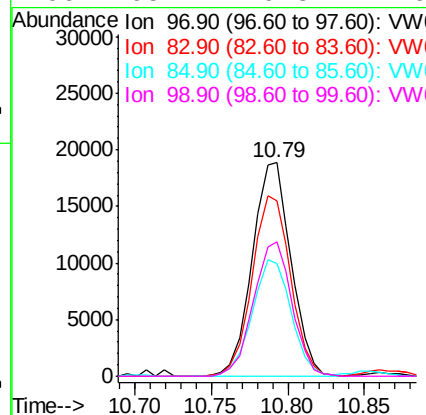
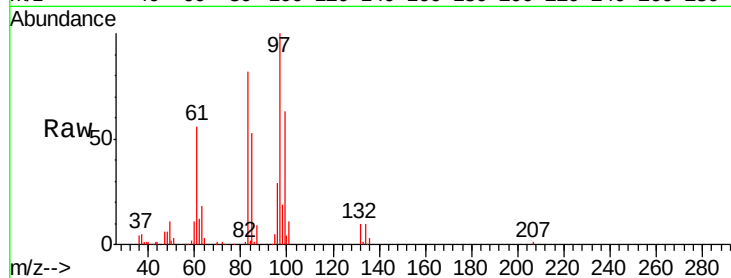
#55
 1,1,2-Trichloroethane
 Concen: 19.79 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1012SBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.0	66.9	100.3
85	52.7	43.4	65.0
99	63.2	49.8	74.6

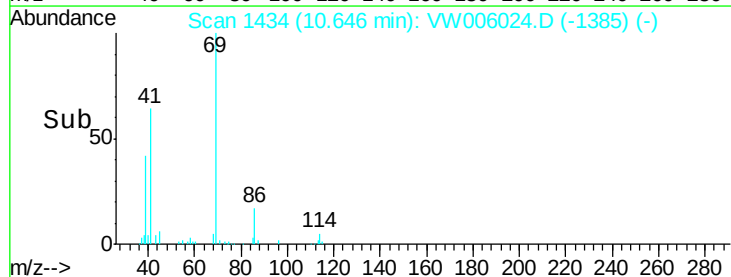
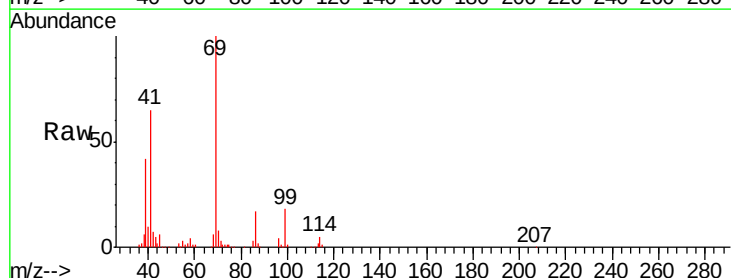
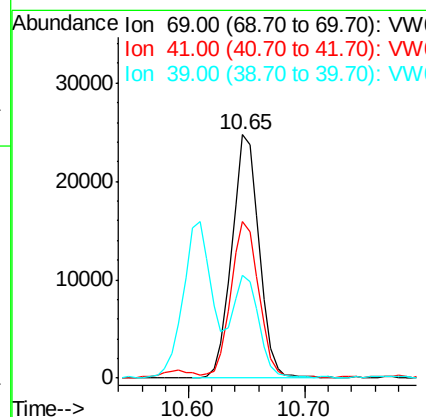
Manual Integrations
 APPROVED

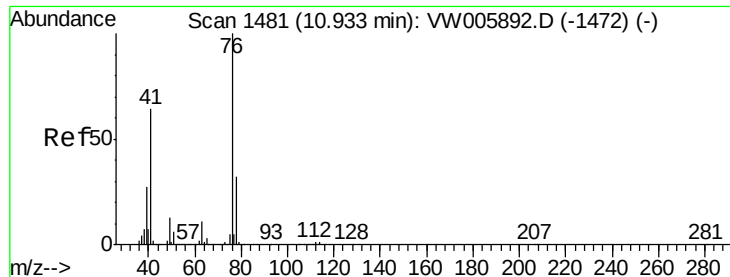
apatel
 10/12/2018 11:46:00 AM



#56
 Ethyl methacrylate
 Concen: 17.81 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.5	56.0	84.0
39	40.9	33.5	50.3





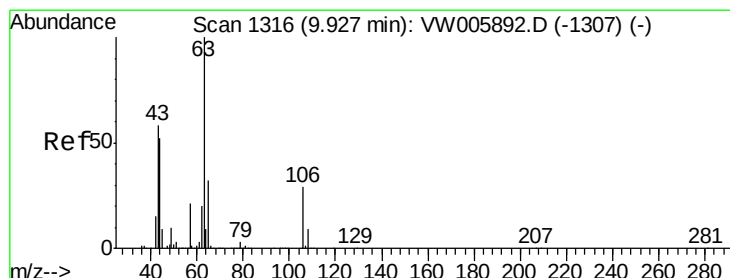
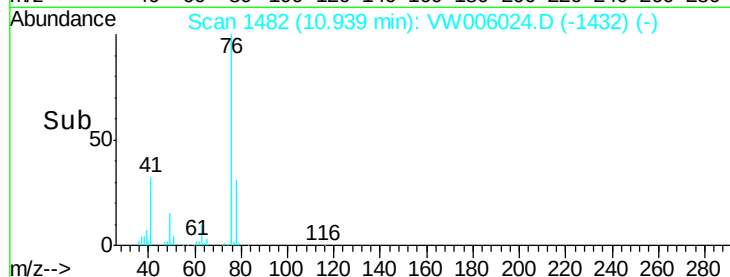
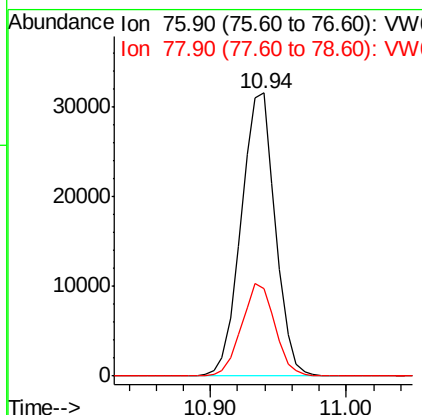
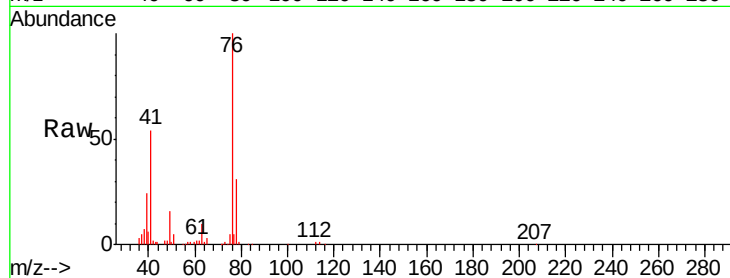
#57
 1,3-Dichloropropane
 Concen: 19.51 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1012SBS01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.6

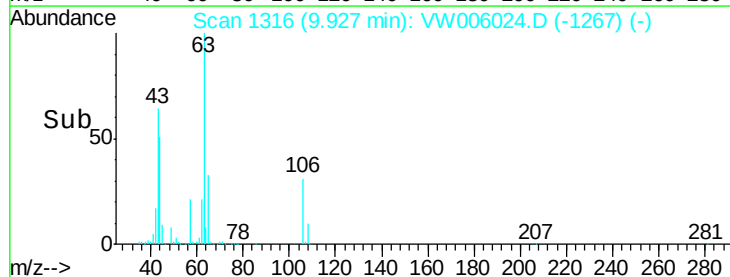
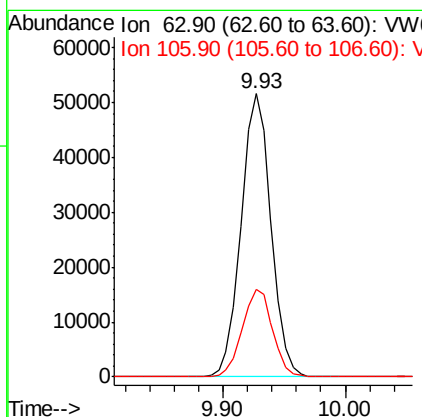
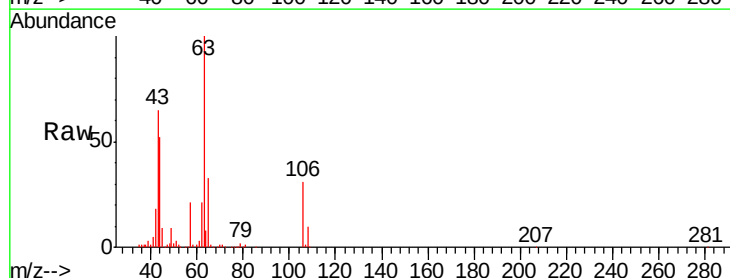
Manual Integrations
 APPROVED

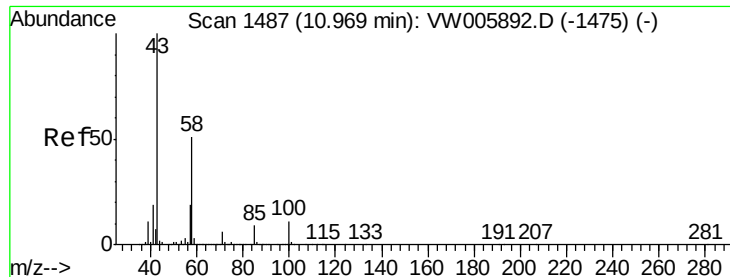
apatel
 10/12/2018 11:46:00 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.38 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.2	23.6	35.4





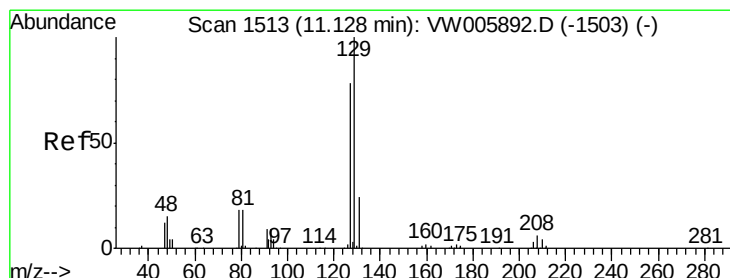
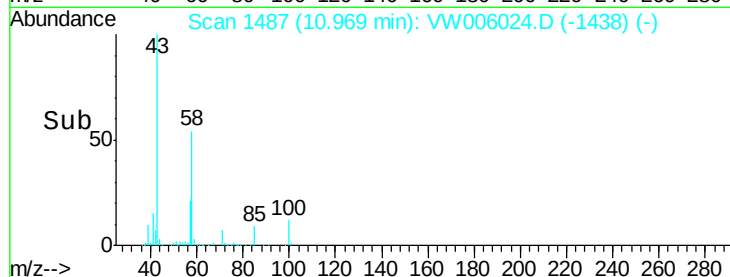
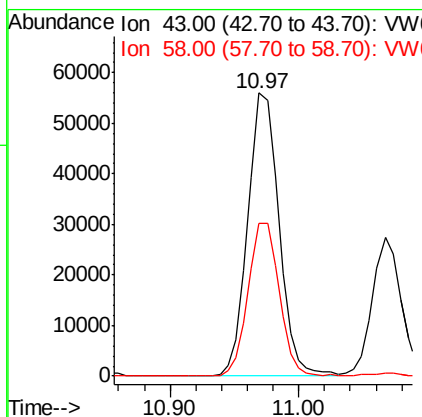
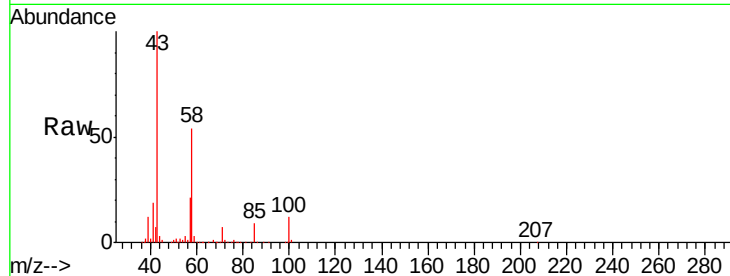
#59
2-Hexanone
Concen: 94.18 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

Tgt Ion: 43 Resp: 93977
Ion Ratio Lower Upper
43 100
58 54.1 25.7 77.1

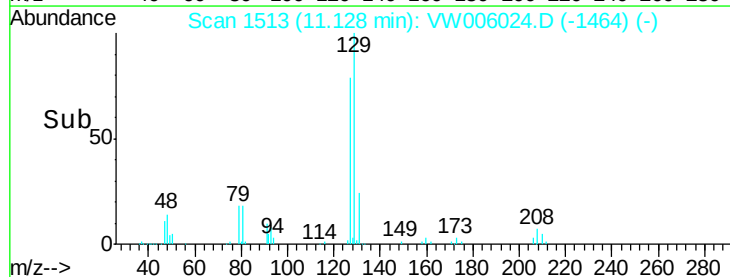
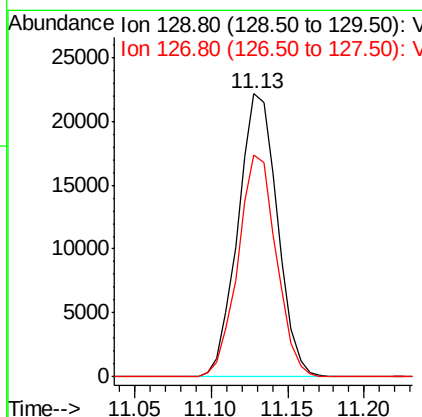
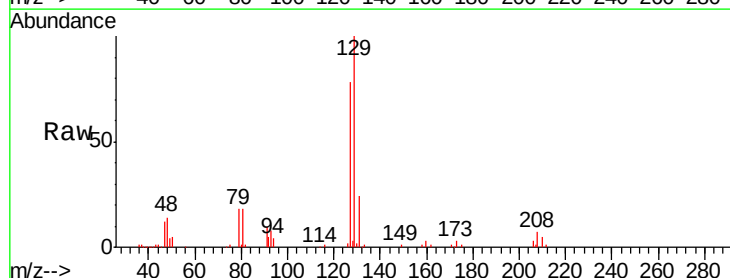
Manual Integrations
APPROVED

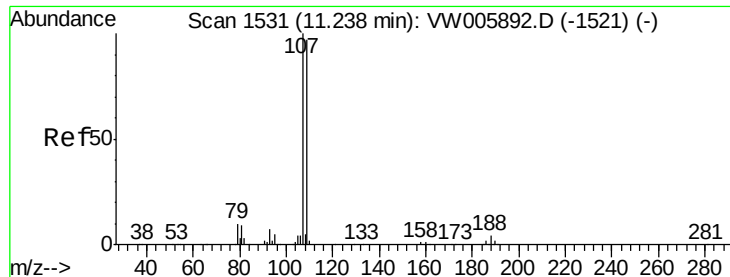
apatel
10/12/2018 11:46:00 AM



#60
Dibromochloromethane
Concen: 18.23 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Tgt Ion: 129 Resp: 39624
Ion Ratio Lower Upper
129 100
127 76.0 38.5 115.5





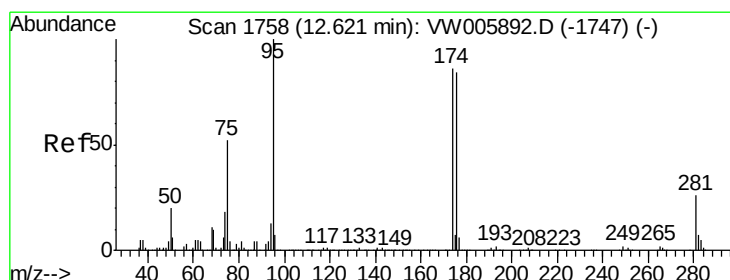
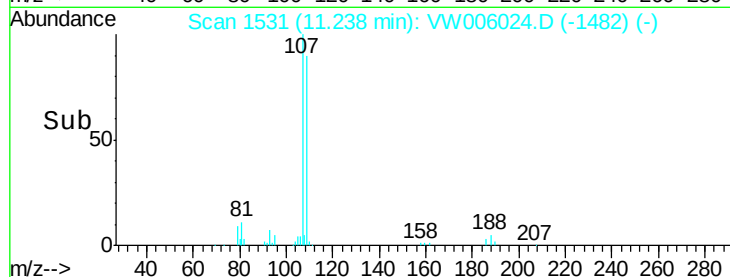
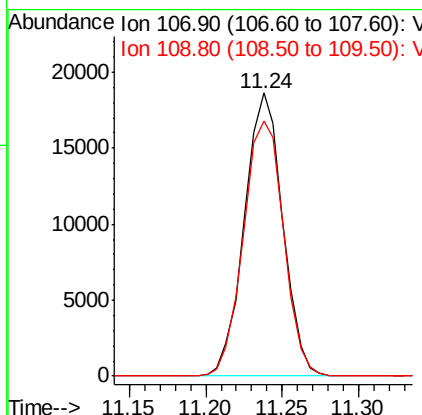
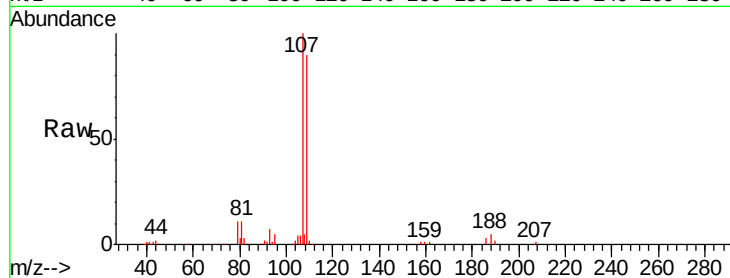
#61
 1,2-Dibromoethane
 Concen: 19.30 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1012SBS01

Tgt Ion: 107 Resp: 32489
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.8 113.8

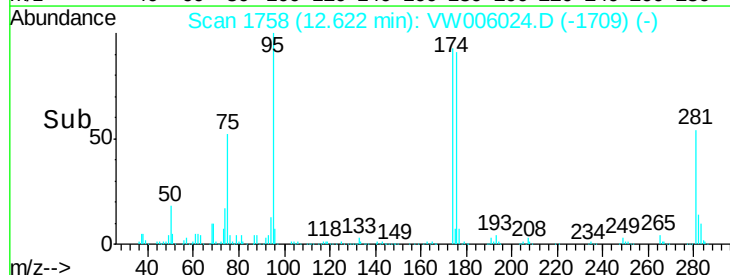
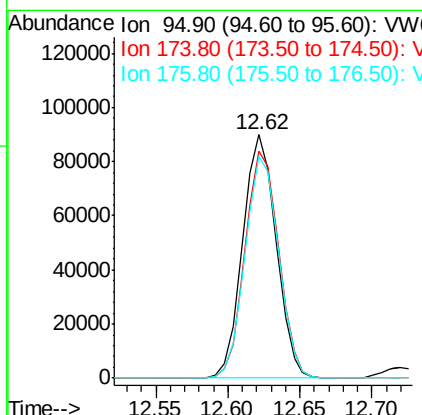
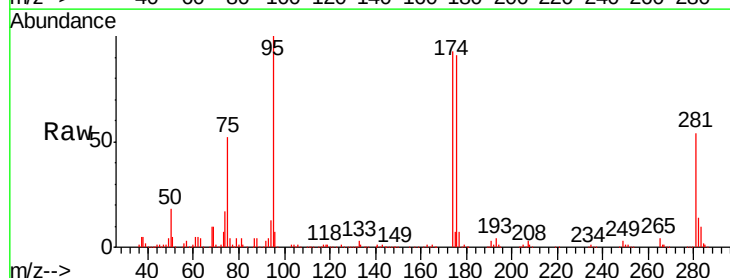
Manual Integrations
 APPROVED

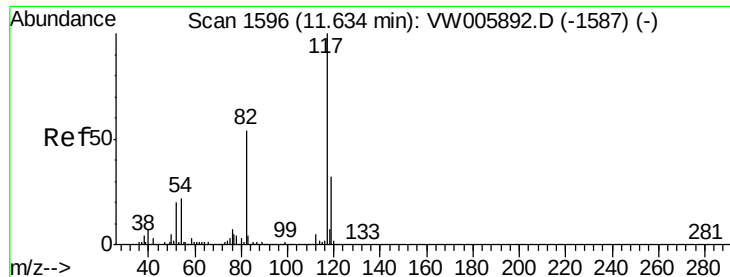
apatel
 10/12/2018 11:46:00 AM



#62
 4-Bromofluorobenzene
 Concen: 45.90 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Tgt Ion: 95 Resp: 144631
 Ion Ratio Lower Upper
 95 100
 174 93.6 0.0 176.4
 176 91.2 0.0 173.0





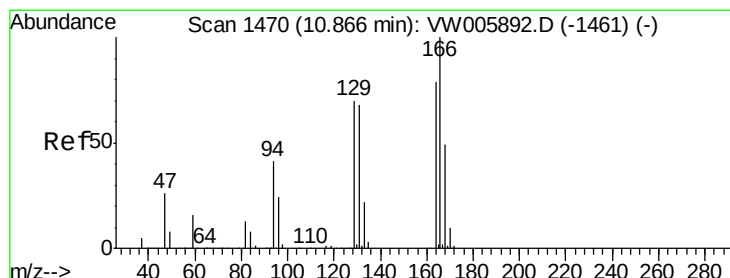
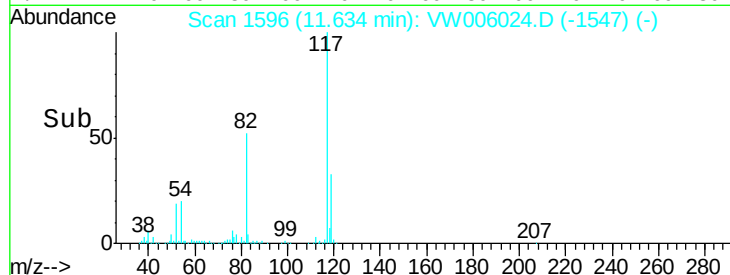
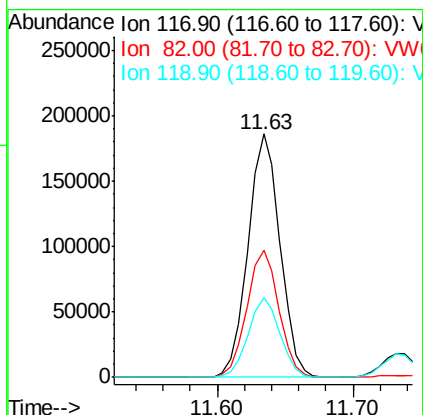
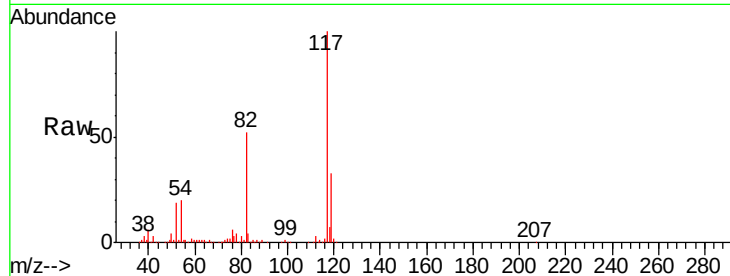
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	52.3	43.5	65.3
119	32.6	25.4	38.2

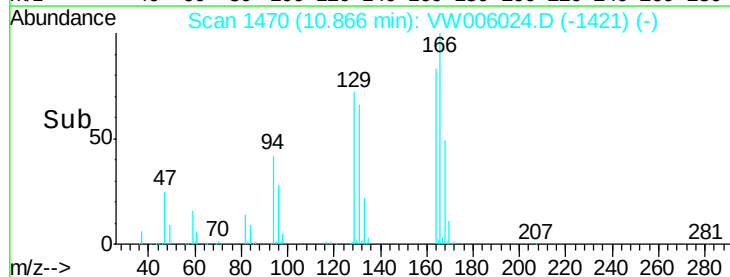
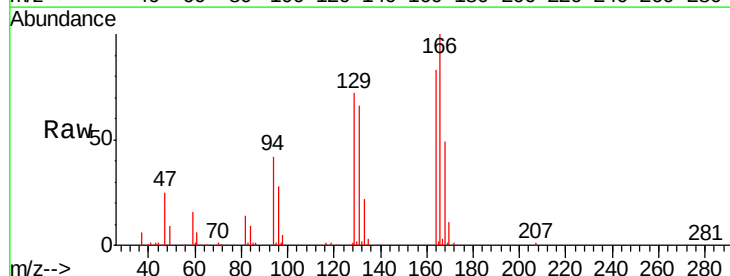
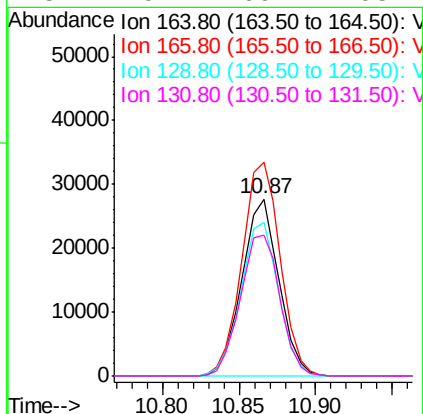
Manual Integrations
APPROVED

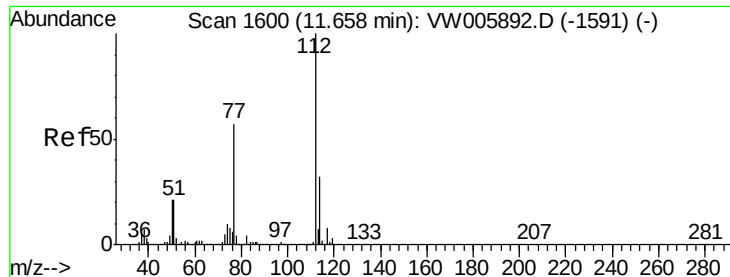
apatel
10/12/2018 11:46:00 AM



#64
Tetrachloroethene
Concen: 20.26 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	120.7	101.5	152.3
129	86.6	71.1	106.7
131	79.4	69.1	103.7





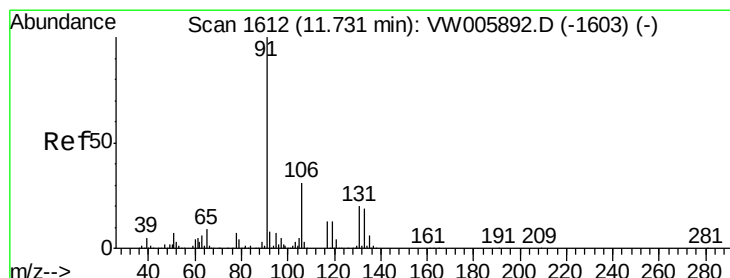
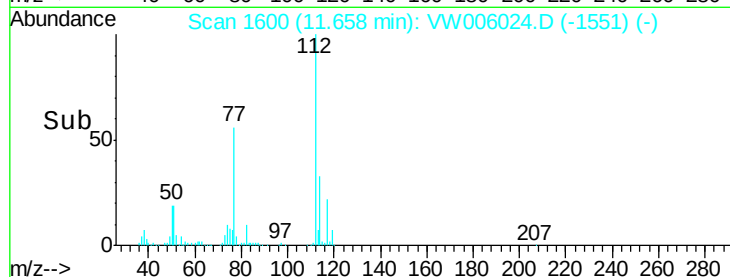
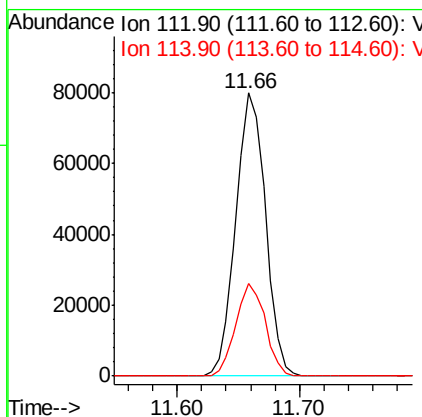
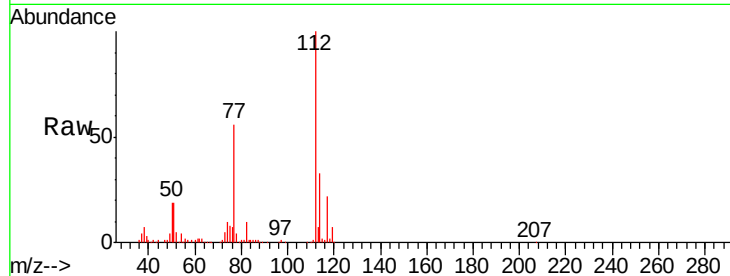
#65
Chlorobenzene
Concen: 20.44 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	134352		
114	32.5	25.6	38.4	

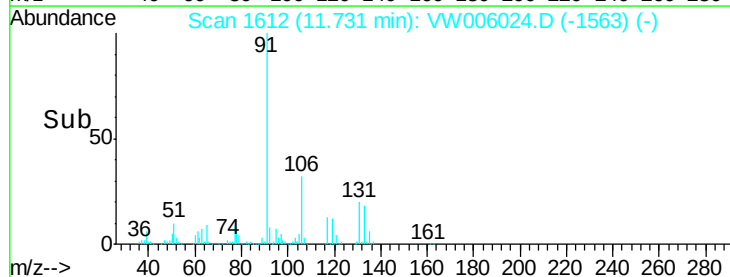
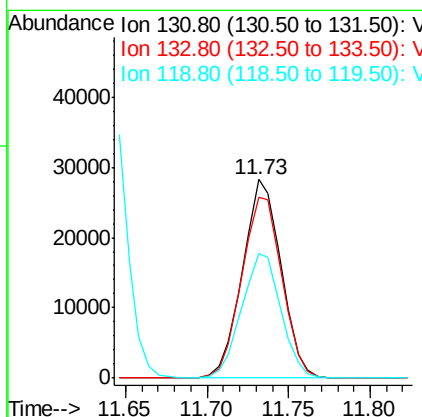
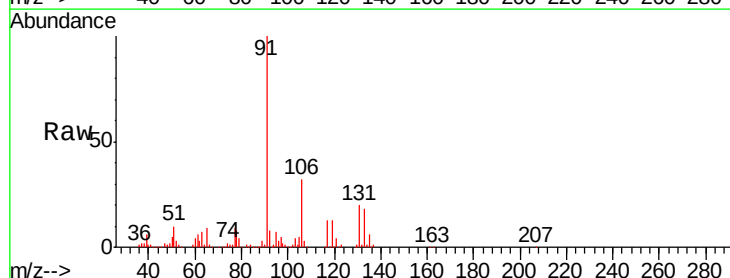
Manual Integrations
APPROVED

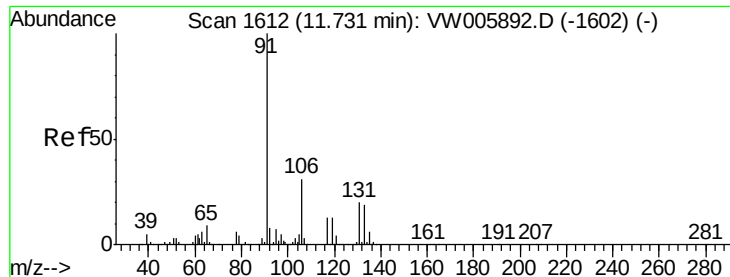
apatel
10/12/2018 11:46:00 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.32 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	46551		
133	95.0	48.2	144.6	
119	64.3	32.5	97.5	





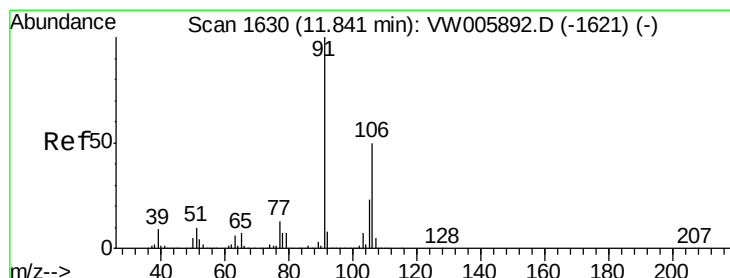
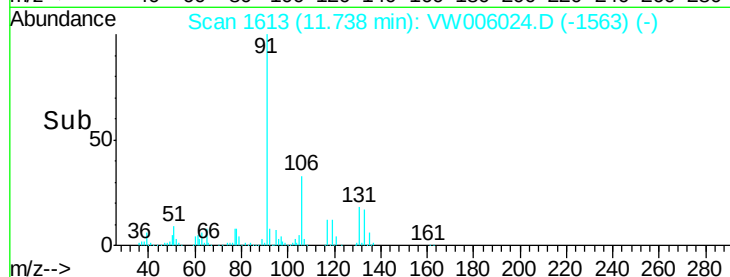
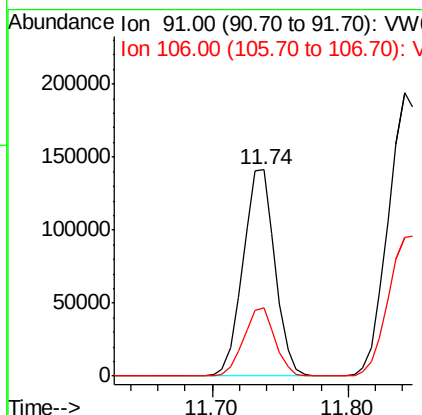
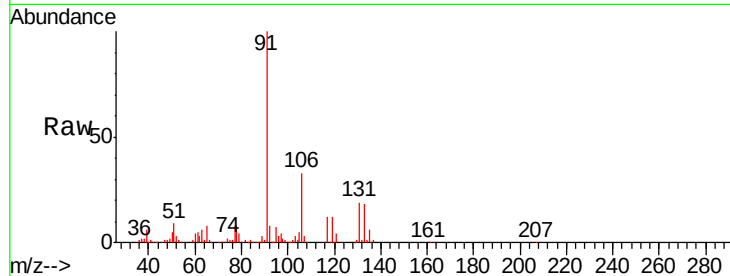
#67
Ethyl Benzene
Concen: 20.03 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

Tgt Ion: 91 Resp: 232485
Ion Ratio Lower Upper
91 100
106 33.0 25.0 37.6

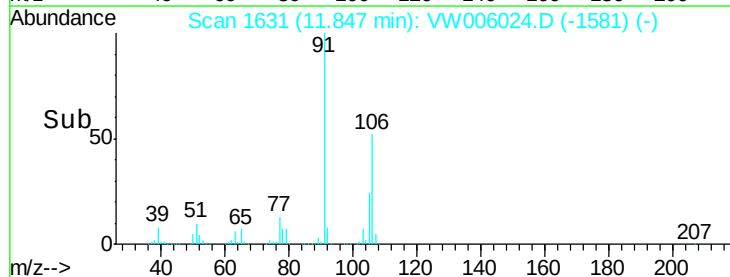
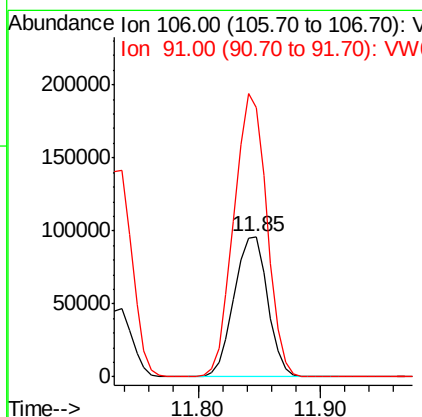
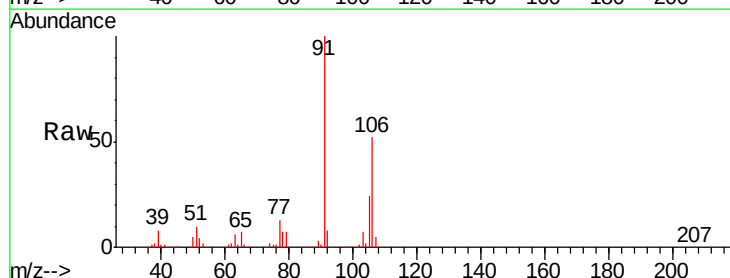
Manual Integrations
APPROVED

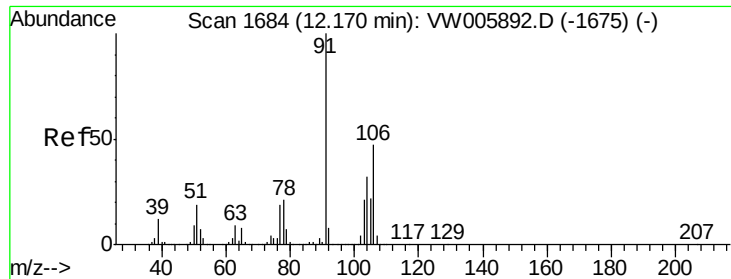
apatel
10/12/2018 11:46:00 AM



#68
m/p-Xylenes
Concen: 40.24 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Tgt Ion: 106 Resp: 182546
Ion Ratio Lower Upper
106 100
91 198.5 160.2 240.2





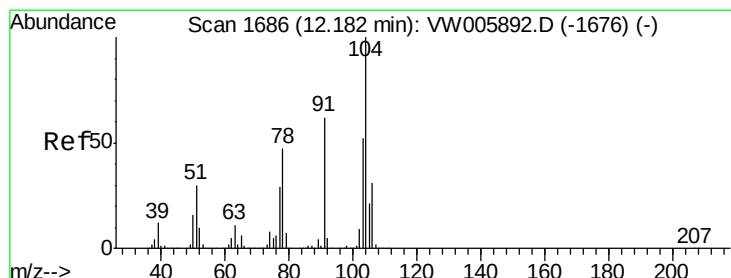
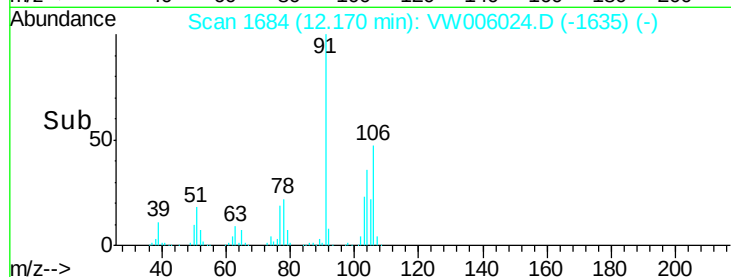
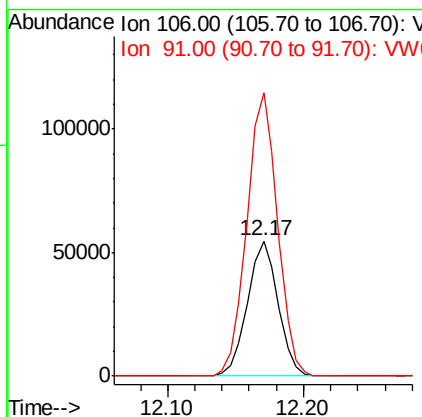
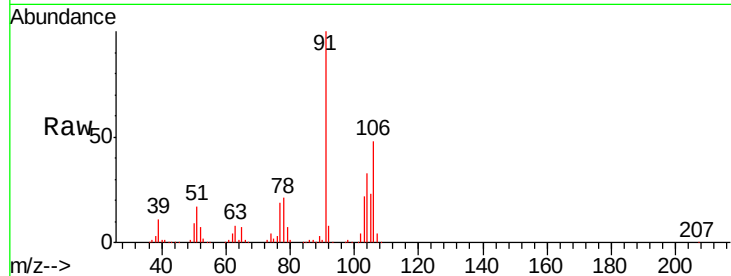
#69
o-Xylene
Concen: 19.88 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

Tgt Ion:106 Resp: 86336
Ion Ratio Lower Upper
106 100
91 209.7 106.2 318.5

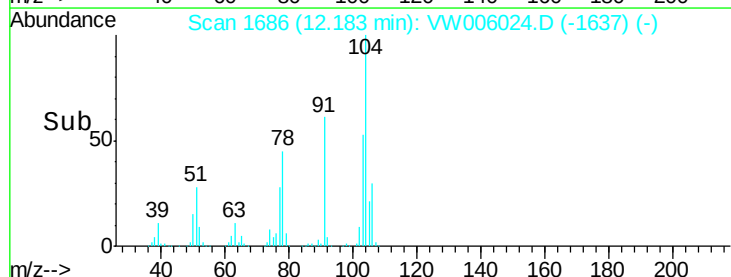
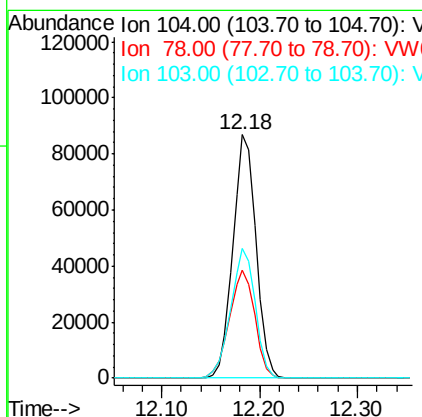
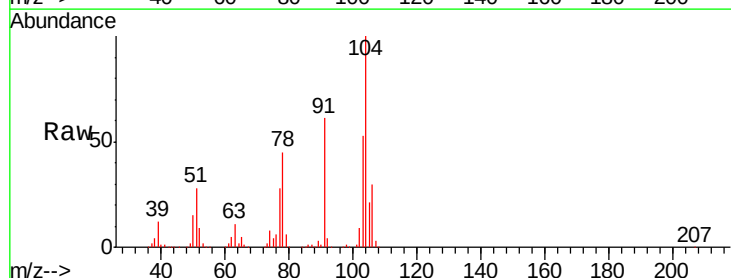
Manual Integrations
APPROVED

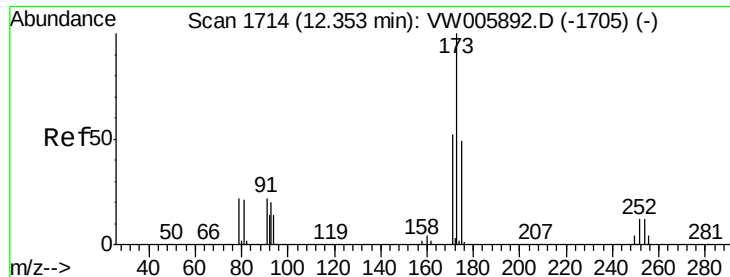
apatel
10/12/2018 11:46:00 AM



#70
Styrene
Concen: 19.78 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Tgt Ion:104 Resp: 142526
Ion Ratio Lower Upper
104 100
78 48.8 40.4 60.6
103 56.4 44.2 66.2





#71

Bromoform

Concen: 16.88 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW1012SBS01

Tgt Ion:173 Resp: 24228

Ion Ratio Lower Upper

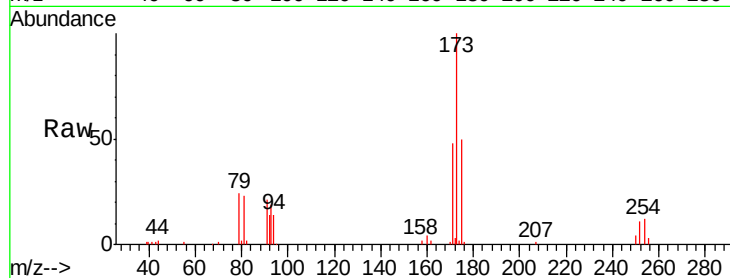
173 100

175 48.2 24.7 74.1

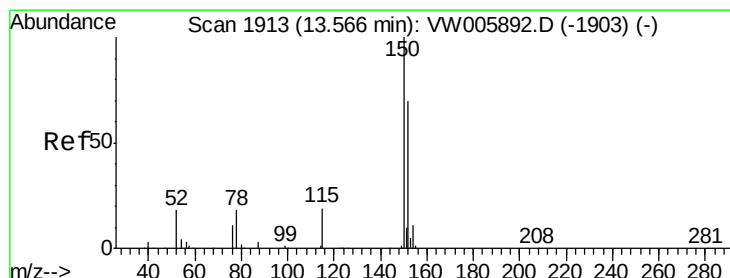
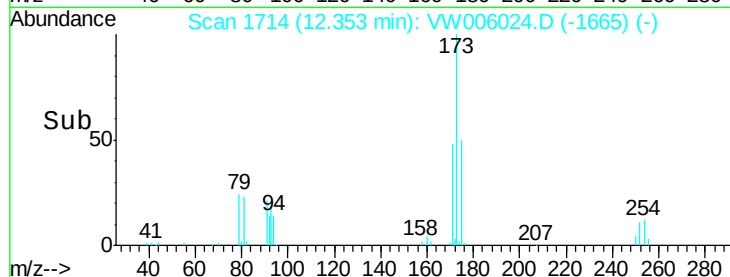
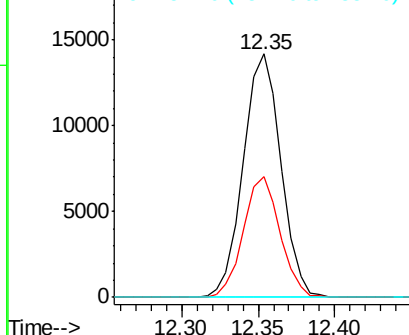
254 0.0 0.2 0.2#

Manual Integrations
APPROVED

apatel
10/12/2018 11:46:00 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: VW006024.D

Acq: 11 Oct 2018 11:45

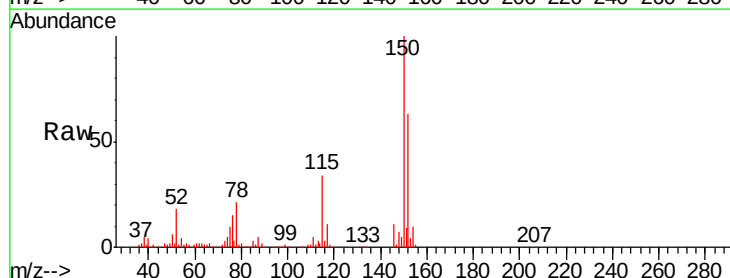
Tgt Ion:152 Resp: 171398

Ion Ratio Lower Upper

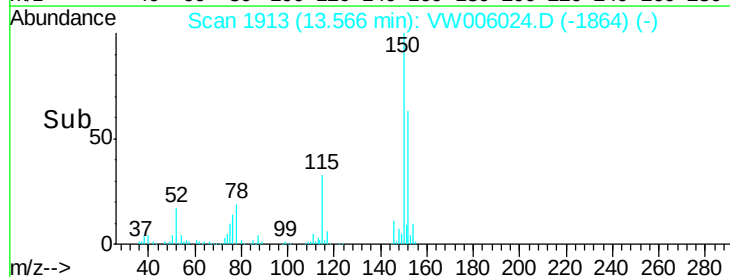
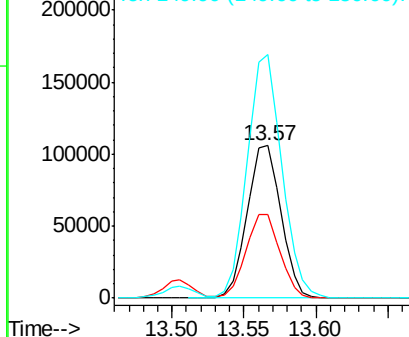
152 100

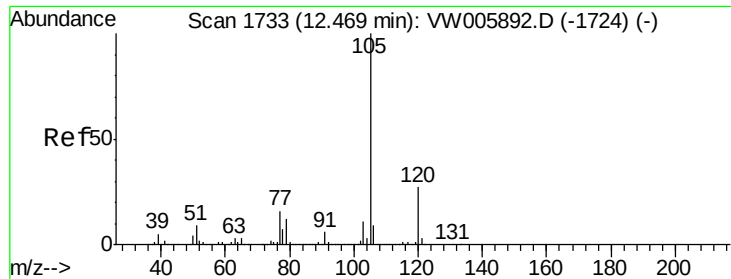
115 55.3 28.3 85.0

150 164.0 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





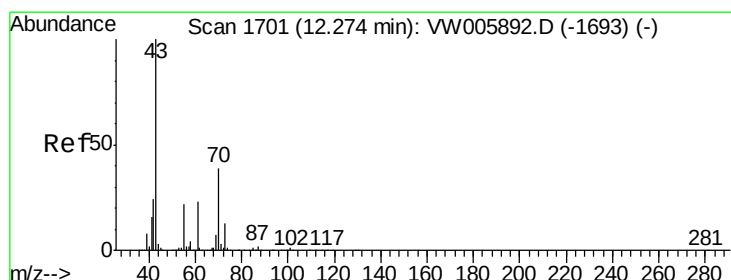
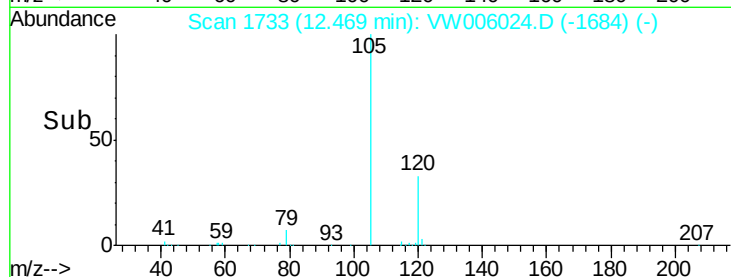
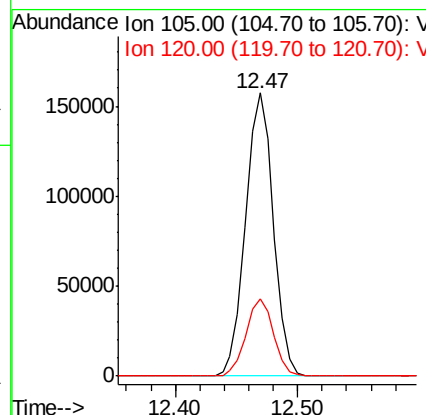
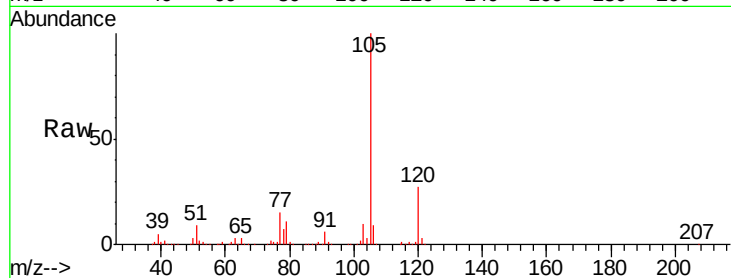
#73
Isopropylbenzene
Concen: 19.77 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

Tgt	Ion	Ratio	Resp	Lower	Upper
105	100		247488		
120	27.1		13.6	40.8	

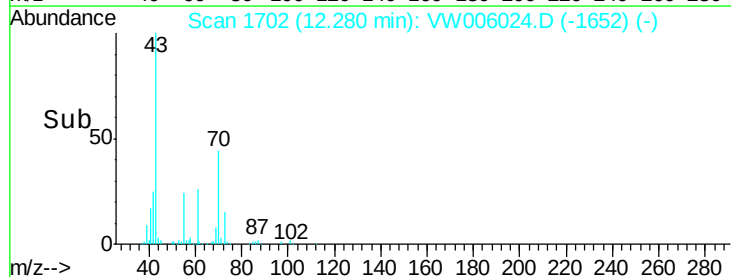
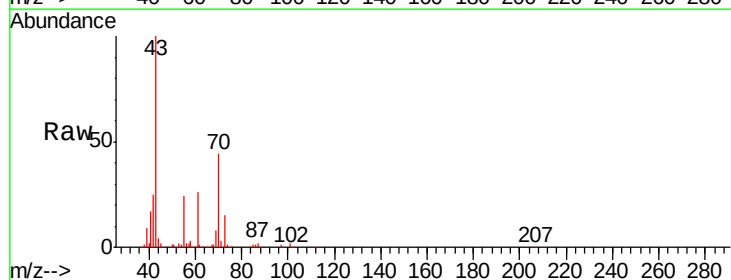
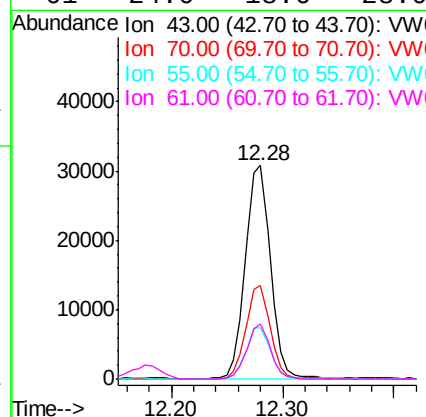
Manual Integrations
APPROVED

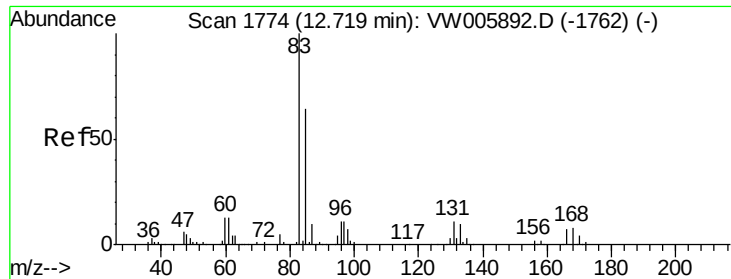
apatel
10/12/2018 11:46:00 AM



#74
N-ethyl acetate
Concen: 16.31 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. 0.01 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Tgt	Ion	Ratio	Resp	Lower	Upper
43	100		48497		
70	42.5		31.6	47.4	
55	24.1		17.9	26.9	
61	24.0		18.6	28.0	





#75

1,1,2,2-Tetrachloroethane

Concen: 19.08 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

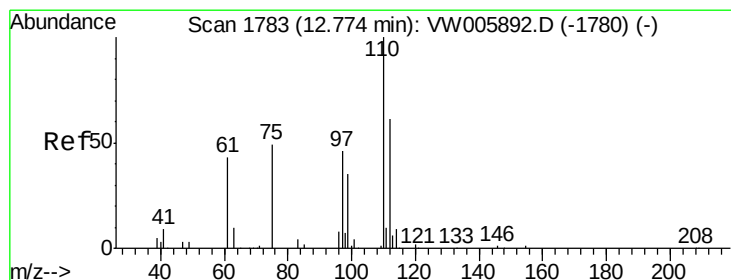
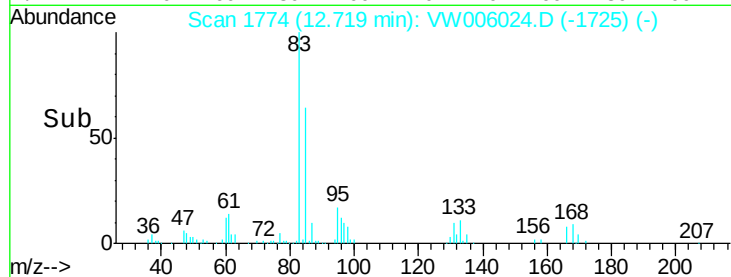
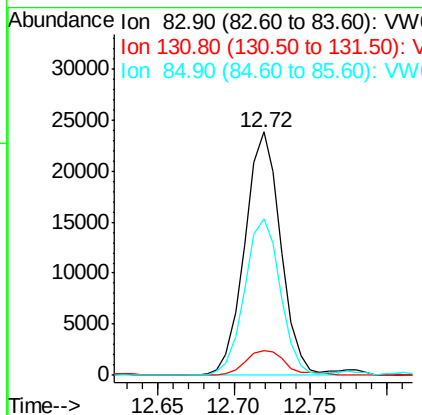
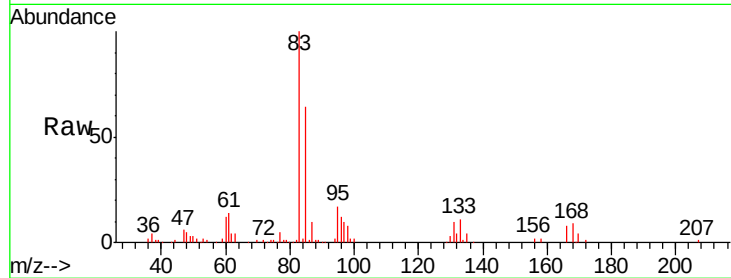
ClientSampleId :

VW1012SBS01

Tgt Ion:	83	Resp:	39142
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.8	17.3
85	63.6	32.4	97.0

Manual Integrations
APPROVED

apatel
10/12/2018 11:46:00 AM



#76

1,2,3-Trichloropropane

Concen: 18.96 ug/l m

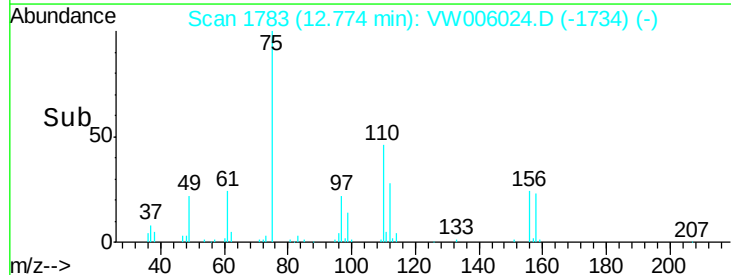
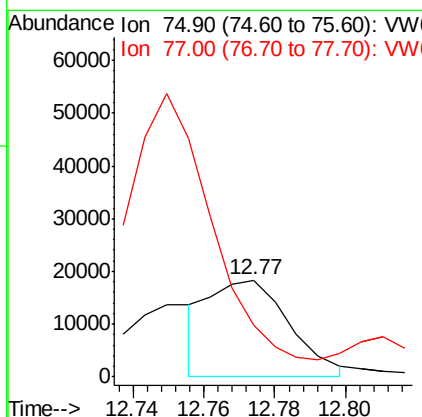
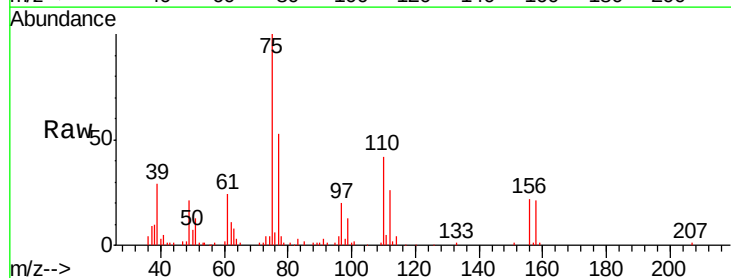
RT: 12.77 min Scan# 1783

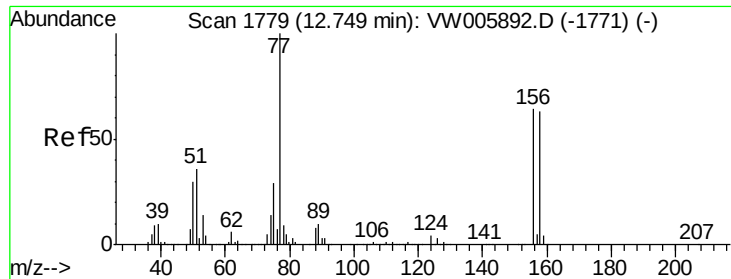
Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Tgt Ion:	75	Resp:	29030
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.10 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

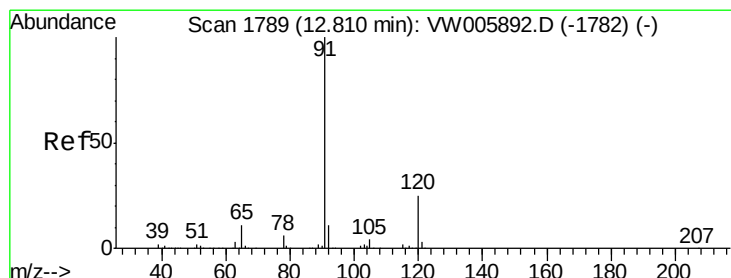
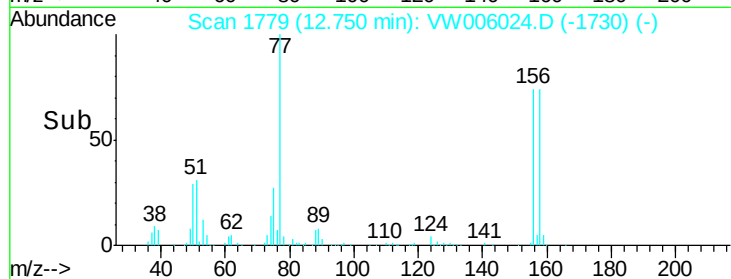
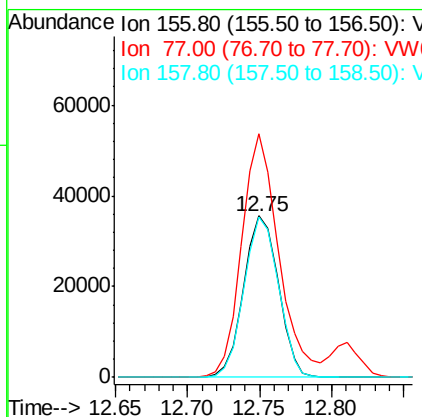
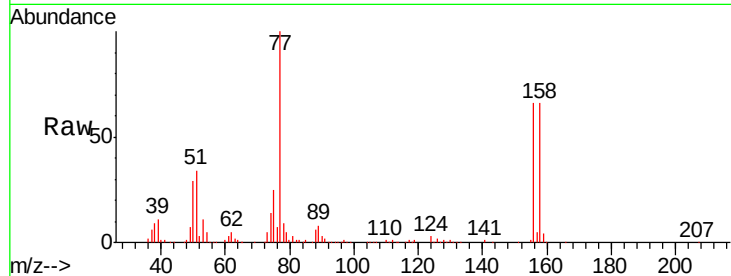
ClientSampleId :

VW1012SBS01

Tgt Ion:	156	Resp:	59608
Ion Ratio	Lower	Upper	
156	100		
77	160.8	85.8	257.4
158	98.1	49.1	147.4

Manual Integrations
APPROVED

apatel
10/12/2018 11:46:00 AM



#78

n-propylbenzene

Concen: 19.69 ug/l

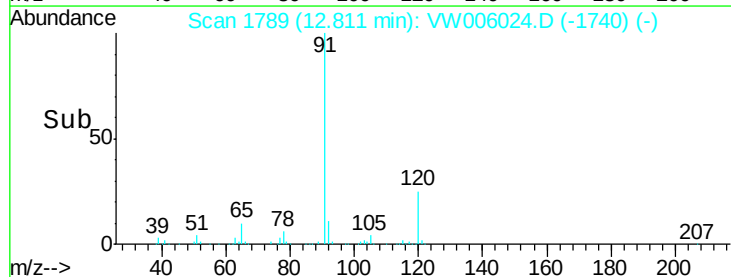
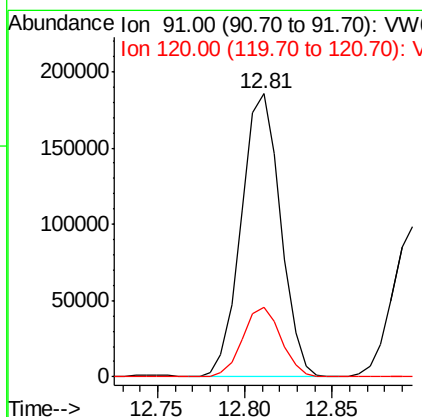
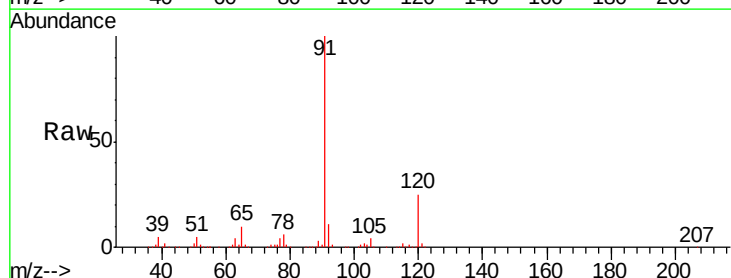
RT: 12.81 min Scan# 1789

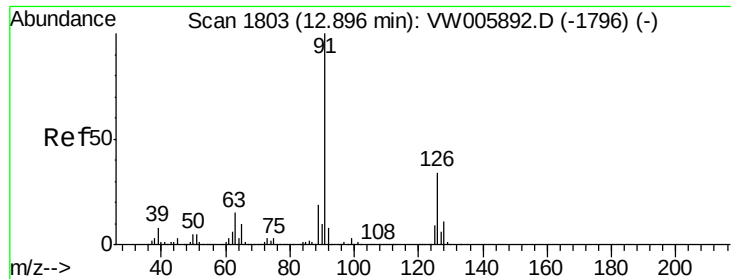
Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Tgt Ion:	91	Resp:	289914
Ion Ratio	Lower	Upper	
91	100		
120	24.2	12.0	36.0





#79

2-Chlorotoluene

Concen: 19.31 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW1012SBS01

Tgt Ion: 91 Resp: 160540

Ion Ratio Lower Upper

91 100

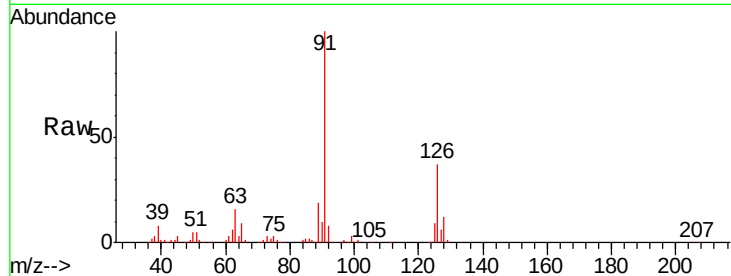
126 36.9 17.5 52.5

Manual Integrations

APPROVED

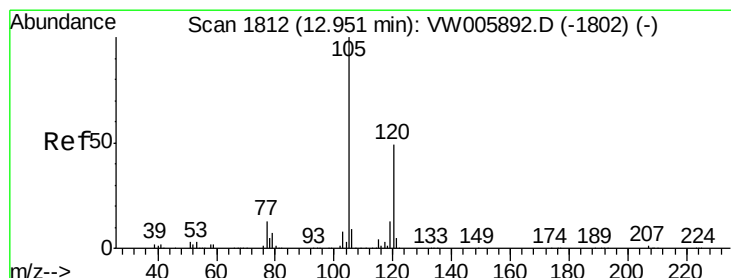
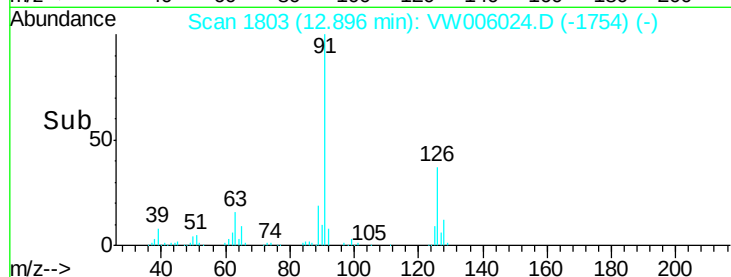
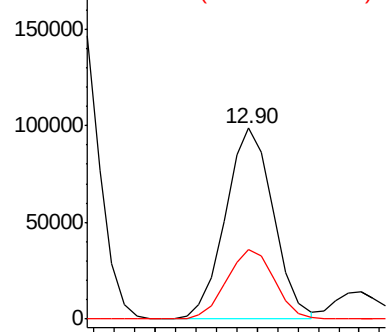
apatel

10/12/2018 11:46:00 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.58 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006024.D

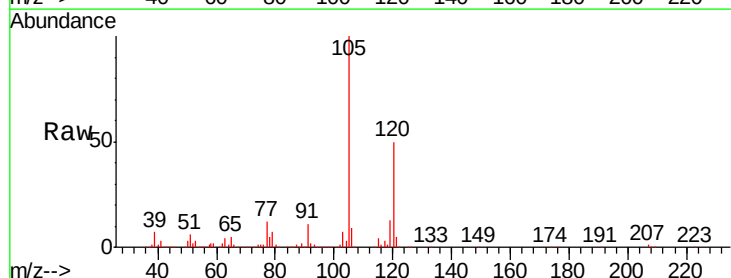
Acq: 11 Oct 2018 11:45

Tgt Ion: 105 Resp: 206909

Ion Ratio Lower Upper

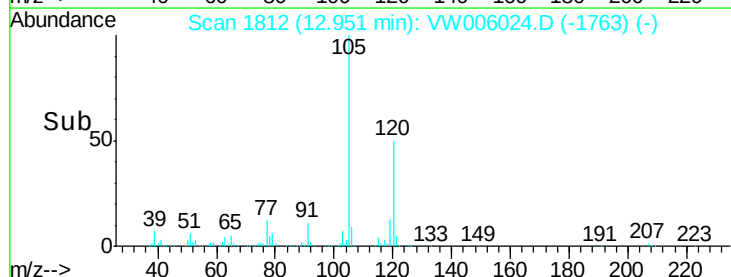
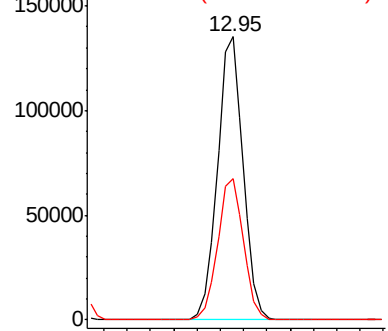
105 100

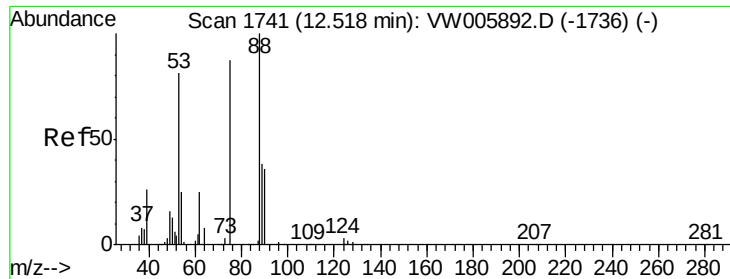
120 50.4 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 14.64 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

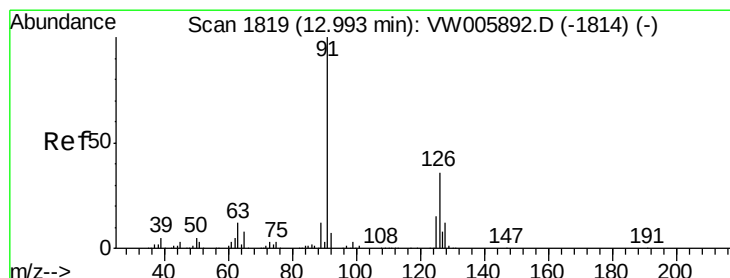
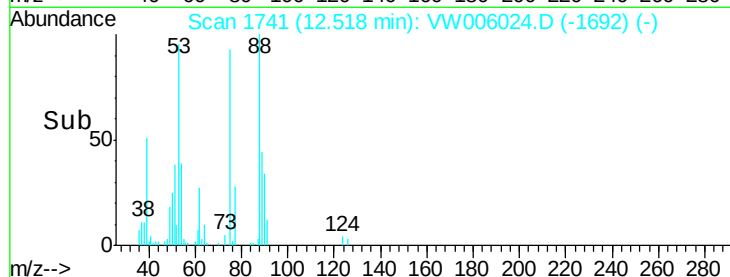
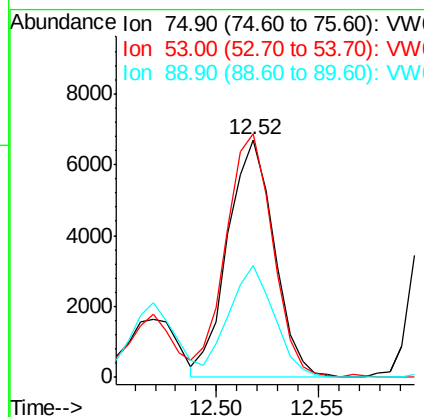
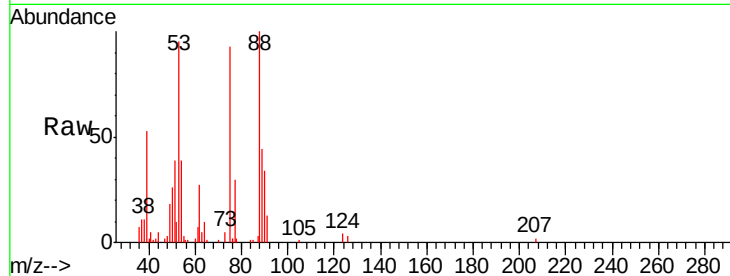
ClientSampleId :

VW1012SBS01

Tgt Ion:	75	Resp:	10617
Ion	Ratio	Lower	Upper
75	100		
53	102.8	76.5	114.7
89	45.5	37.6	56.4

Manual Integrations
APPROVED

apatel
10/12/2018 11:46:00 AM



#82

4-Chlorotoluene

Concen: 19.57 ug/l

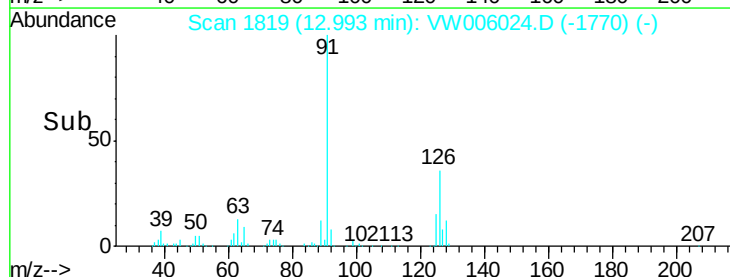
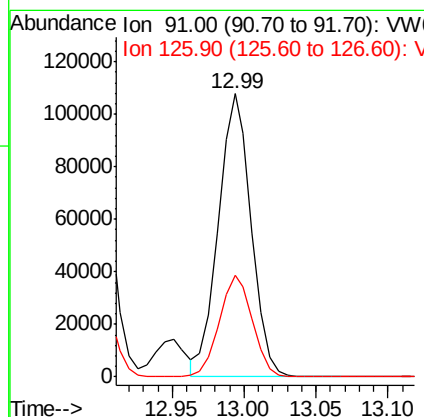
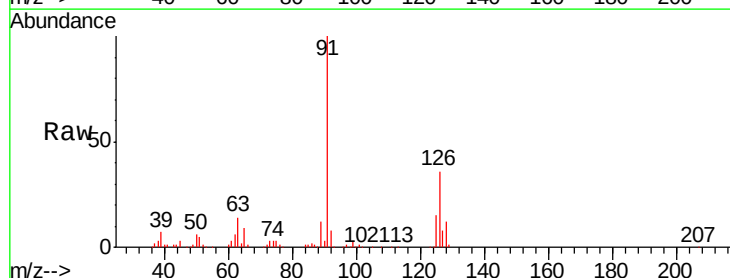
RT: 12.99 min Scan# 1819

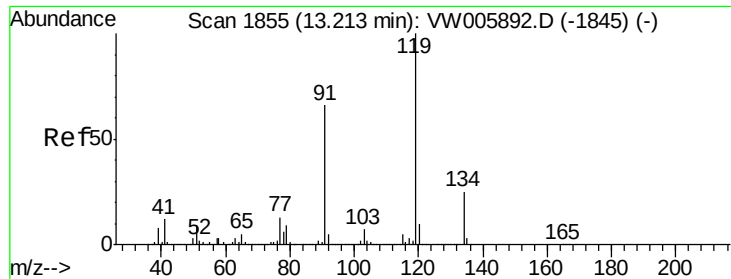
Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Tgt Ion:	91	Resp:	171122
Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.4	52.2





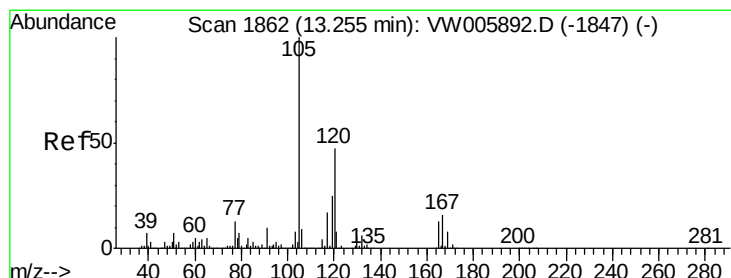
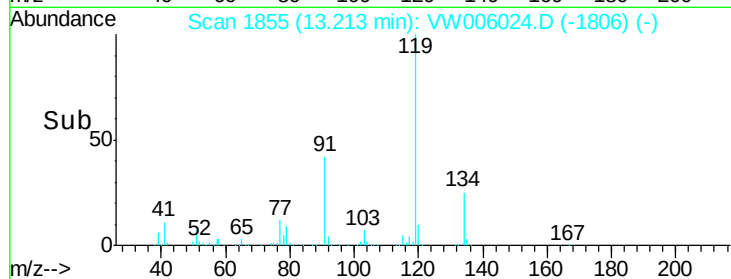
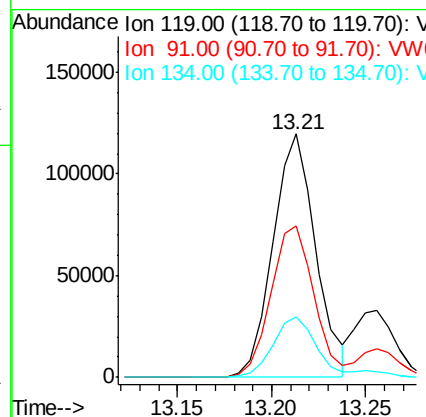
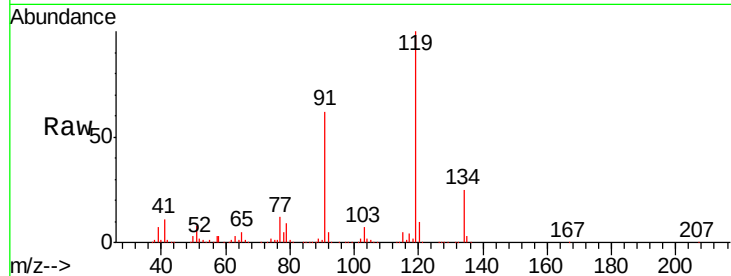
#83
 tert-Butylbenzene
 Concen: 19.98 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1012SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	187765		
91	62.8		32.4	97.0
134	25.1		13.2	39.6

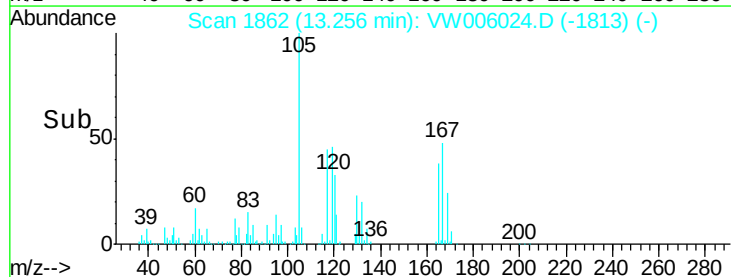
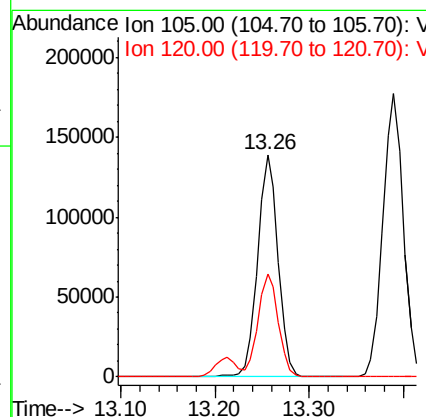
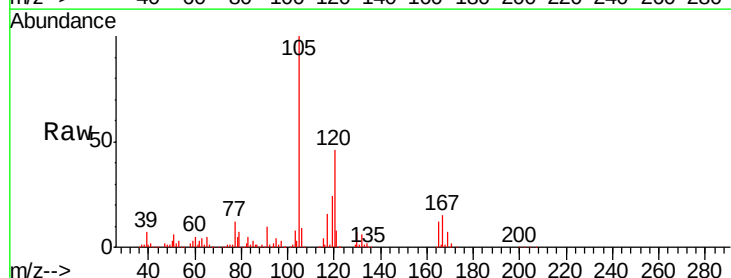
Manual Integrations
 APPROVED

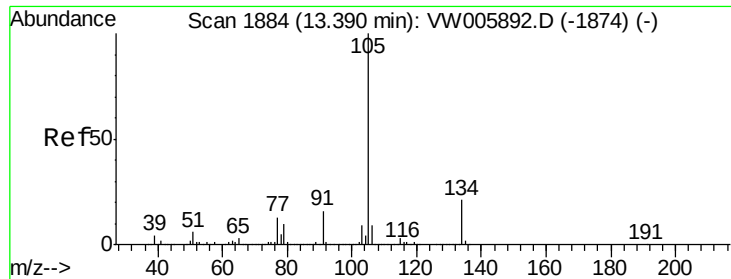
apatel
 10/12/2018 11:46:00 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.99 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	213127		
120	45.5		22.8	68.3





#85

sec-Butylbenzene

Concen: 20.18 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW1012SBS01

Tgt Ion:105 Resp: 266295

Ion Ratio Lower Upper

105 100

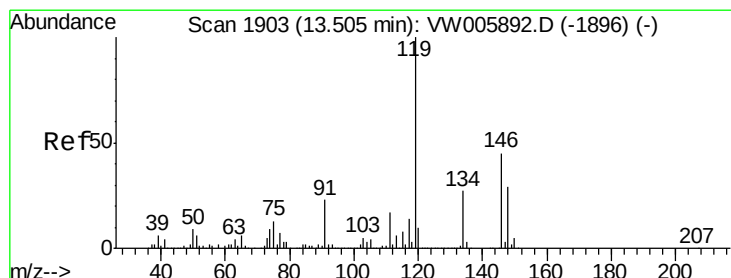
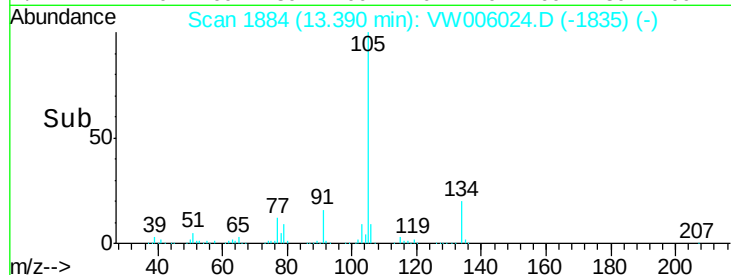
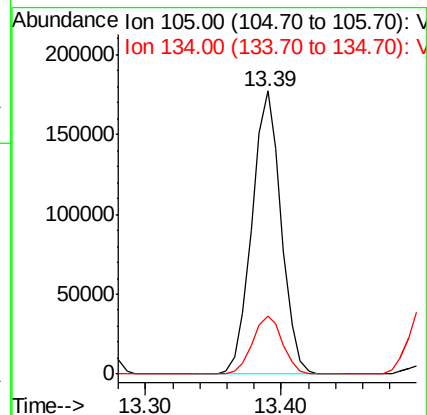
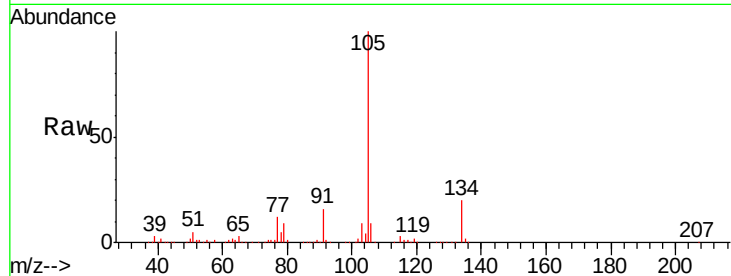
134 21.0 10.4 31.4

Manual Integrations

APPROVED

apatel

10/12/2018 11:46:00 AM



#86

p-Isopropyltoluene

Concen: 20.17 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

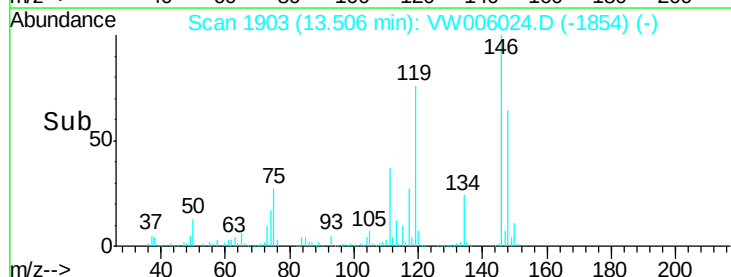
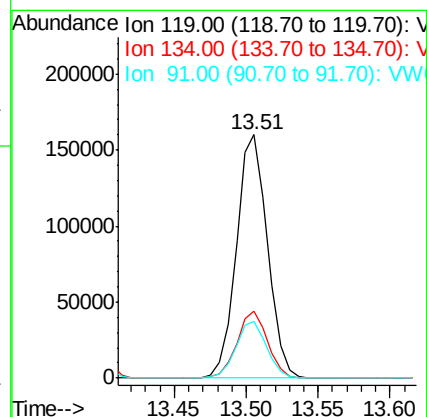
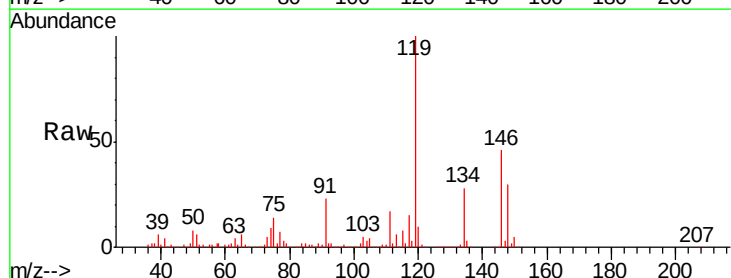
Tgt Ion:119 Resp: 239308

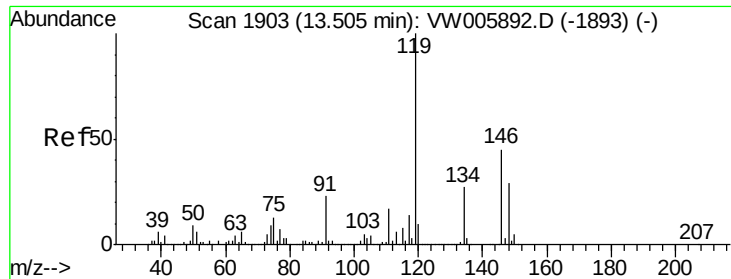
Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.5

91 23.1 11.9 35.5





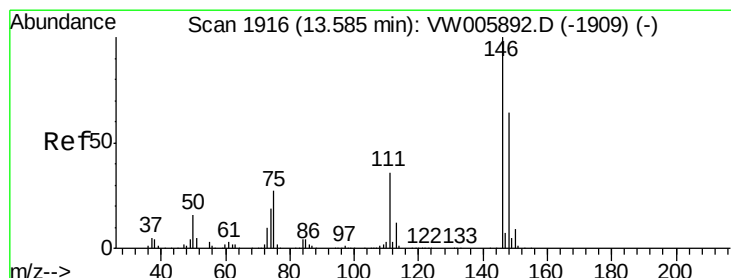
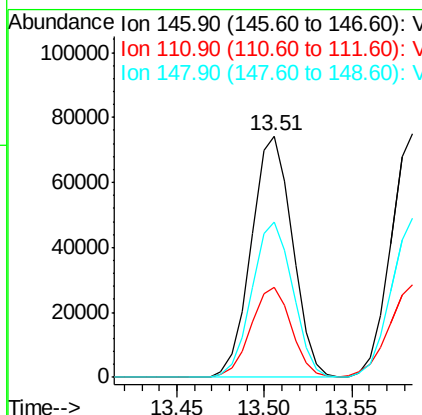
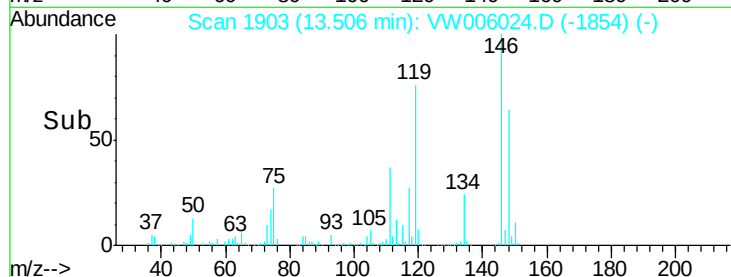
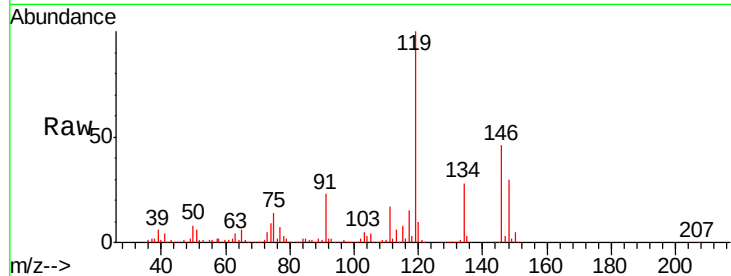
#87
1,3-Dichlorobenzene
Concen: 20.61 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	121428		
111	36.9	19.5	58.5	
148	63.9	32.1	96.5	

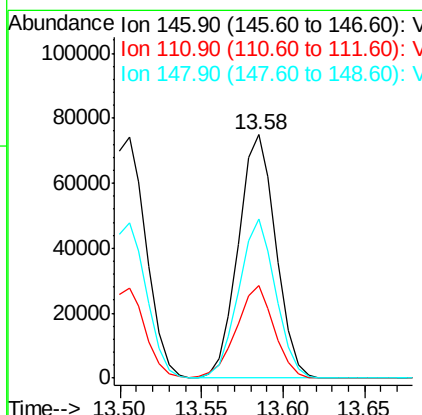
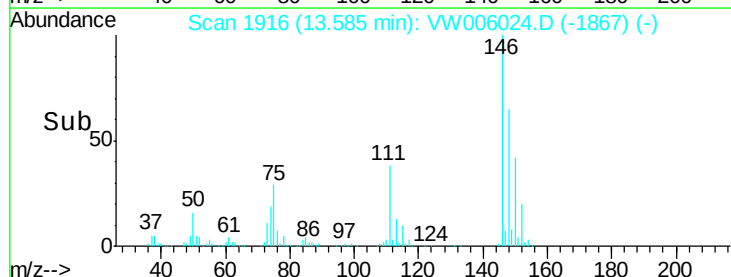
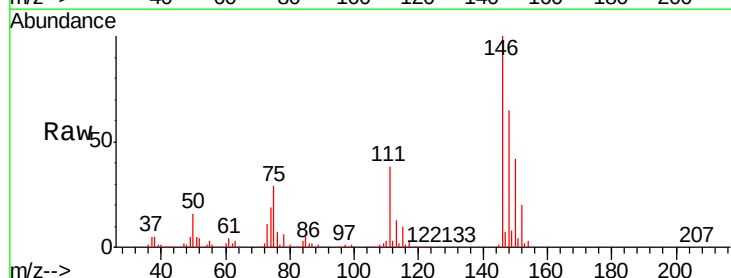
Manual Integrations
APPROVED

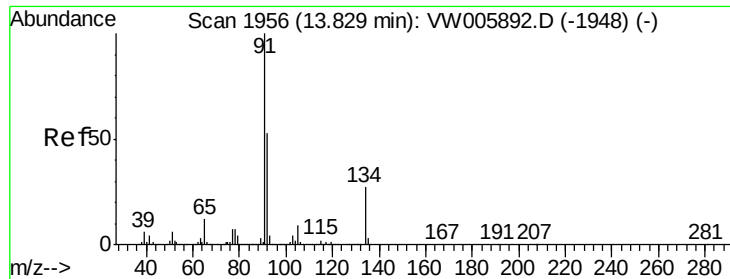
apatel
10/12/2018 11:46:00 AM



#88
1,4-Dichlorobenzene
Concen: 20.49 ug/l
RT: 13.58 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	119959		
111	38.1	19.0	57.0	
148	64.5	32.0	96.2	





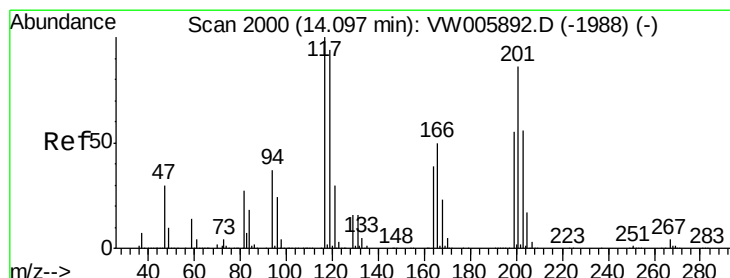
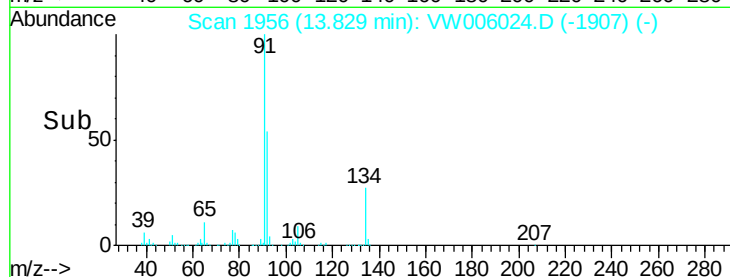
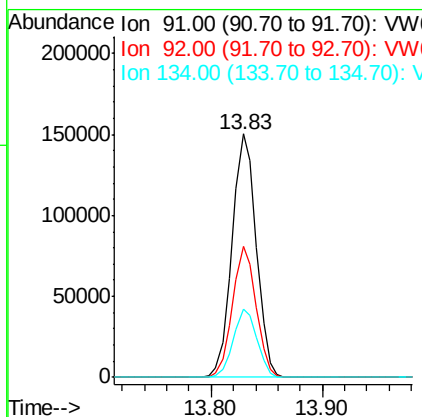
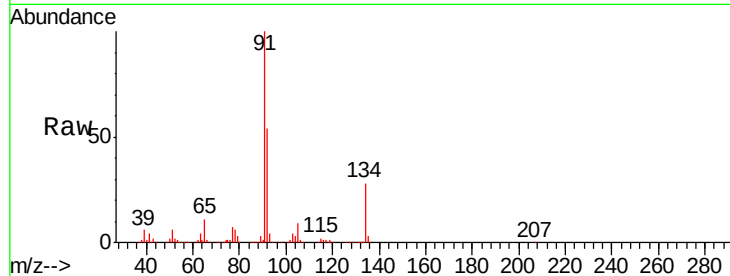
#89
n-Butylbenzene
Concen: 20.15 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.6	79.8
134	27.6	13.8	41.4

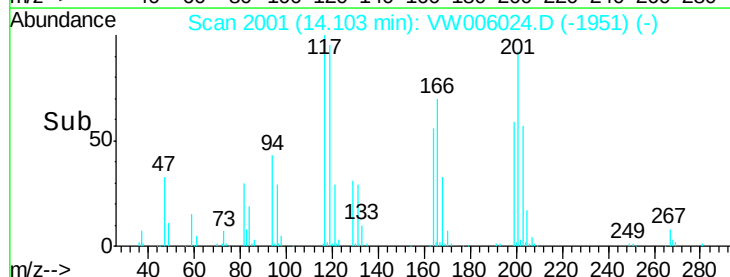
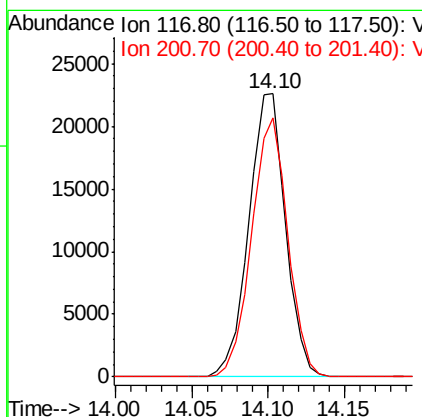
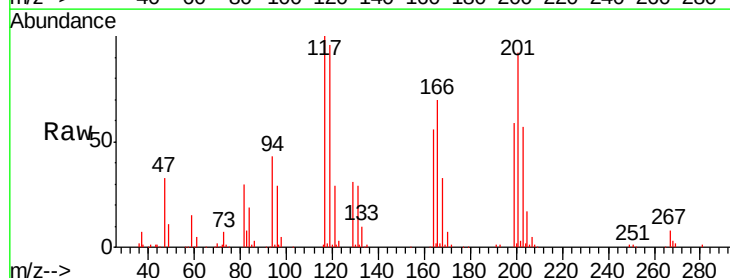
Manual Integrations
APPROVED

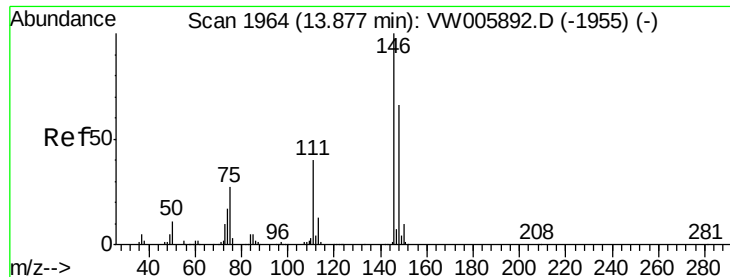
apatel
10/12/2018 11:46:00 AM



#90
Hexachloroethane
Concen: 16.89 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. 0.01 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.0	44.5	133.5





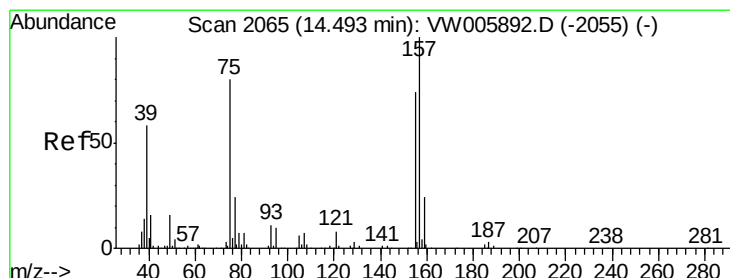
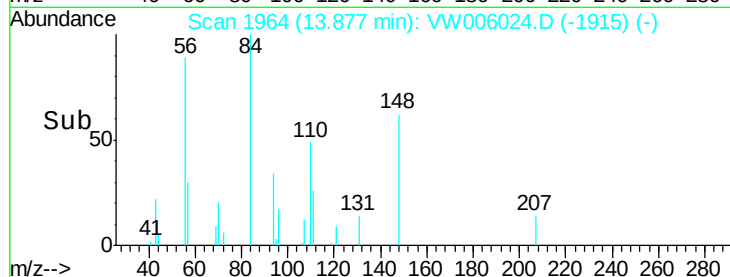
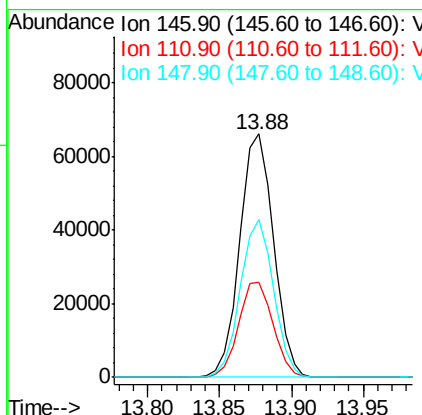
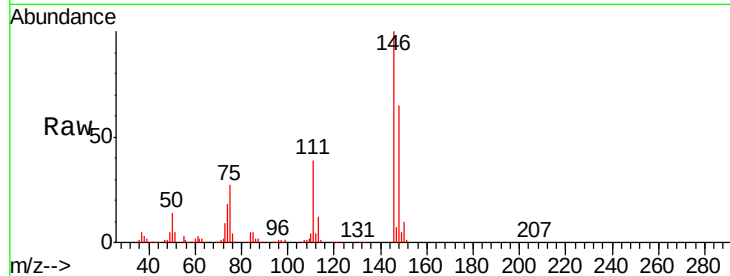
#91
 1,2-Dichlorobenzene
 Concen: 20.56 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1012SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	107562		
111	39.6	20.3	61.0	
148	63.9	32.5	97.4	

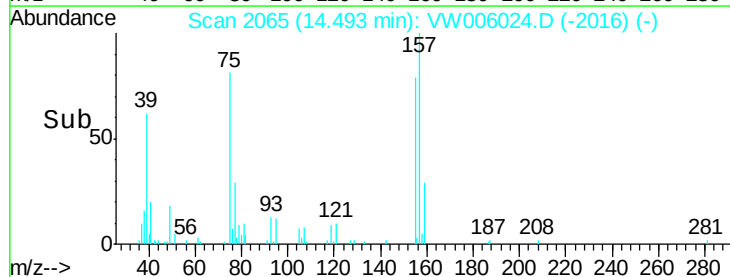
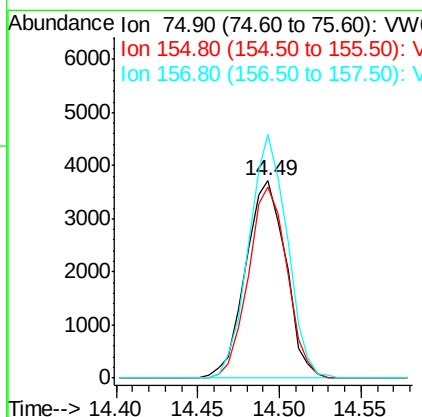
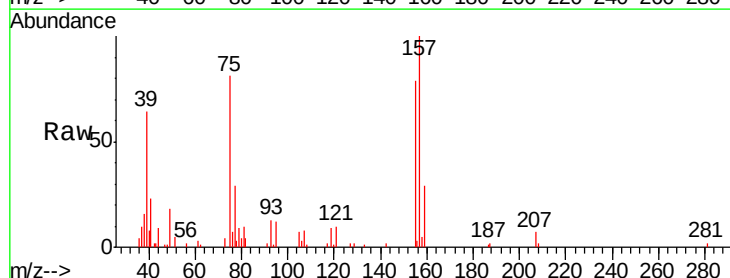
Manual Integrations
 APPROVED

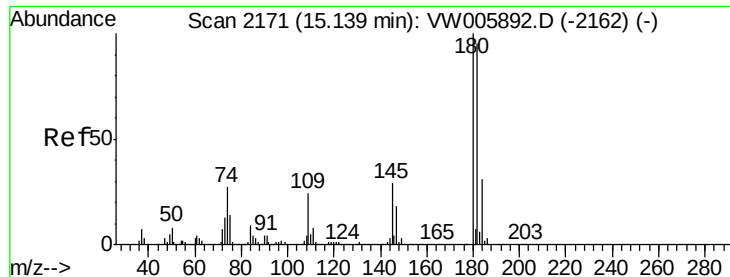
apatel
 10/12/2018 11:46:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.66 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	6369		
155	93.3	44.8	134.3	
157	118.0	58.9	176.6	





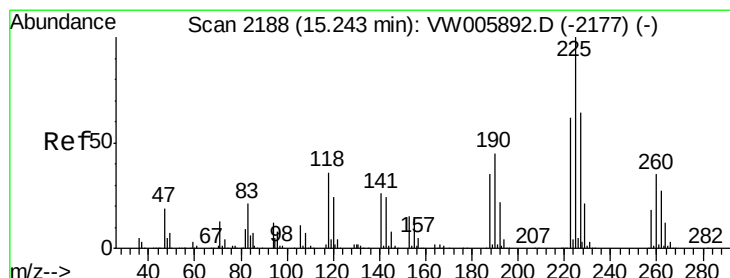
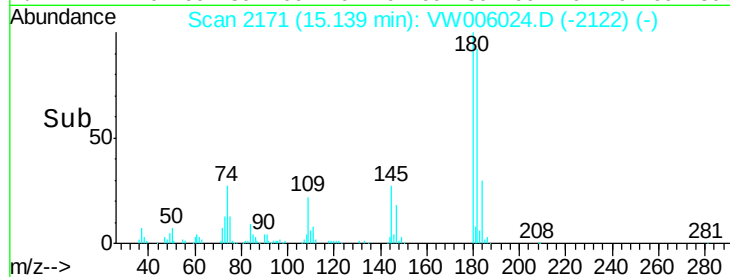
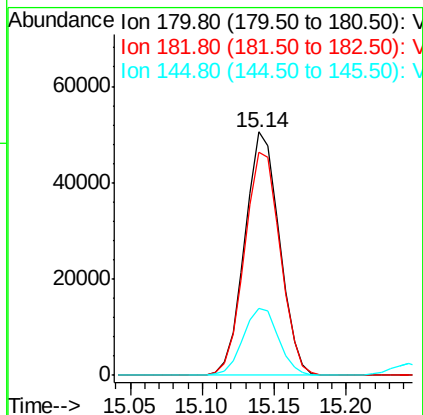
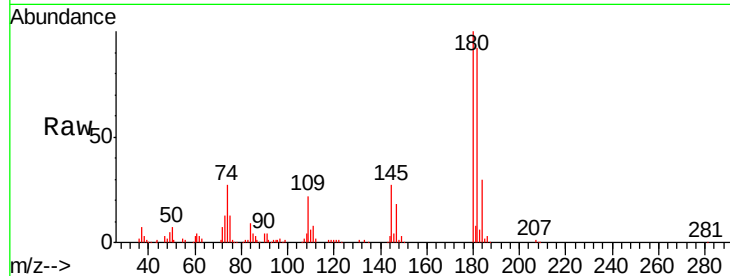
#93
 1,2,4-Trichlorobenzene
 Concen: 20.74 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1012SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	84115		
182	94.1	47.8	143.3	
145	28.1	14.5	43.6	

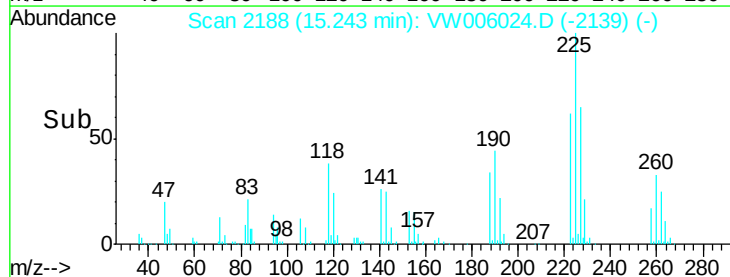
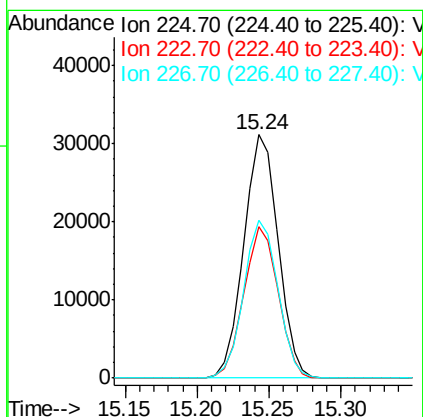
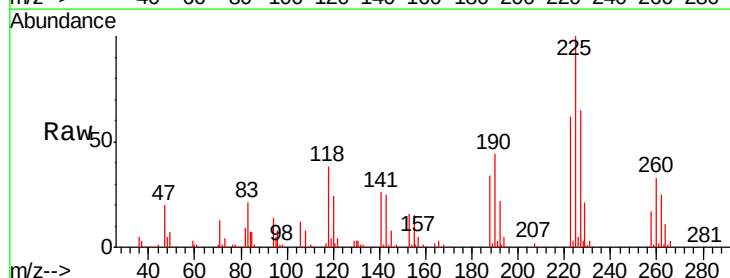
Manual Integrations
 APPROVED

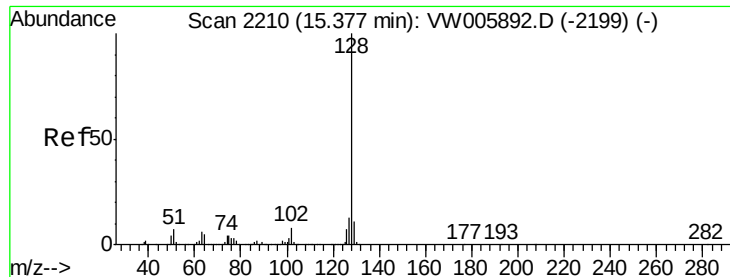
apatel
 10/12/2018 11:46:00 AM



#94
 Hexachlorobutadiene
 Concen: 20.29 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51377		
223	62.0	31.2	93.6	
227	64.5	31.9	95.9	





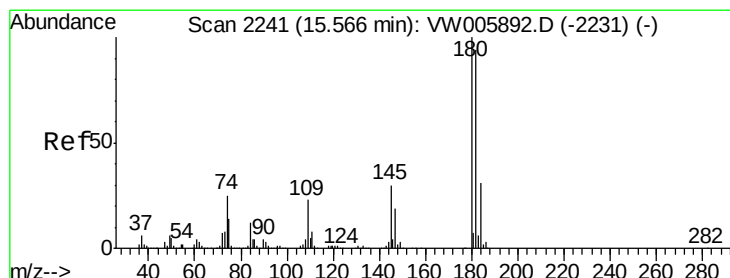
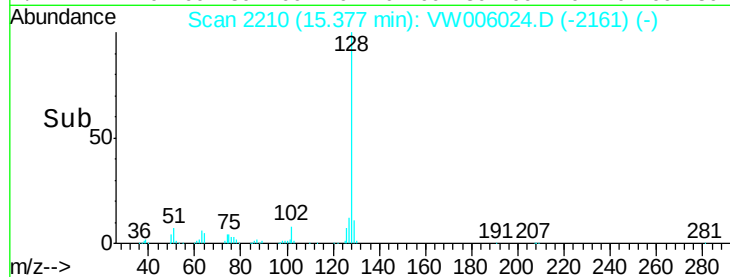
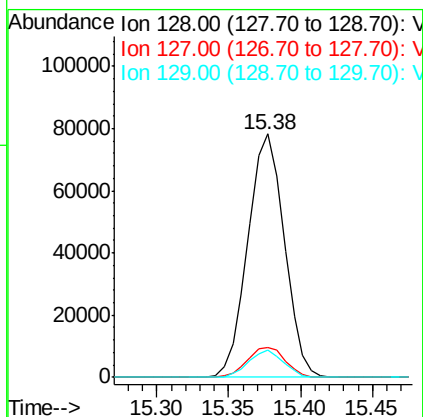
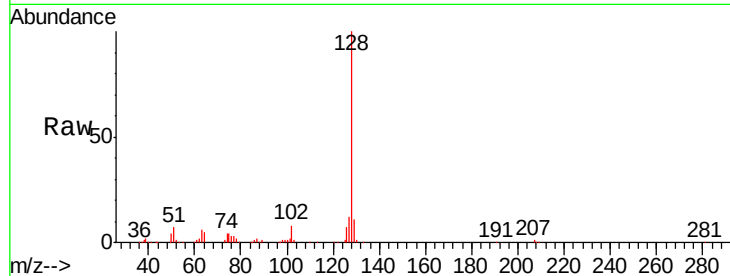
#95
Naphthalene
Concen: 19.63 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	137247		
127	12.8	10.5	15.7	
129	10.8	8.9	13.3	

Manual Integrations
APPROVED

apatel
10/12/2018 11:46:00 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.57 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	72242		
182	94.6	47.6	142.8	
145	30.5	15.3	45.9	

