

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051518\
 Data File : VW002531.D
 Acq On : 15 May 2018 00:11
 Operator : JC/SY
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051518

Manual Integrations
 APPROVED

apatel
 5/15/2018 6:12:10 PM

Quant Time: May 15 07:37:56 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 03:32:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	243524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	371038	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	338771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	186047	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135322	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	
35) Dibromofluoromethane	7.88	113	123386	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
50) Toluene-d8	10.33	98	478569	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
62) 4-Bromofluorobenzene	12.63	95	174569	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	45253	48.16	ug/l	97
3) Chloromethane	2.21	50	97683	54.34	ug/l	97
4) Vinyl Chloride	2.36	62	153445	54.44	ug/l	96
5) Bromomethane	2.77	94	111953	48.44	ug/l	93
6) Chloroethane	2.92	64	98124	50.58	ug/l	100
7) Trichlorofluoromethane	3.25	101	65906	53.06	ug/l	95
8) Diethyl Ether	3.67	74	70048	47.13	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	102645	49.88	ug/l	99
10) Methyl Iodide	4.26	142	163644	49.90	ug/l	100
11) Tert butyl alcohol	5.18	59	53353	275.81	ug/l	100
12) 1,1-Dichloroethene	4.03	96	100041	49.12	ug/l	99
13) Acrolein	3.89	56	48662	255.35	ug/l	94
14) Allyl chloride	4.65	41	154391	51.08	ug/l	98
15) Acrylonitrile	5.37	53	141183	263.41	ug/l	99
16) Acetone	4.12	43	133694	251.65	ug/l	97
17) Carbon Disulfide	4.37	76	271018	48.36	ug/l	96
18) Methyl Acetate	4.67	43	81396	52.56	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	197597	52.80	ug/l	99
20) Methylene Chloride	4.91	84	108866	51.59	ug/l	99
21) trans-1,2-Dichloroethene	5.41	96	108498	49.28	ug/l	98
22) Diisopropyl ether	6.31	45	348960	52.12	ug/l	99
23) Vinyl Acetate	6.25	43	1087905	268.10	ug/l	99
24) 1,1-Dichloroethane	6.21	63	201714	49.99	ug/l	98
25) 2-Butanone	7.17	43	197995	263.55	ug/l	98
26) 2,2-Dichloropropane	7.16	77	108540	48.00	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	125716	50.04	ug/l	100
28) Bromochloromethane	7.51	49	87927	48.81	ug/l	100
29) Tetrahydrofuran	7.53	42	125276	266.94	ug/l	99
30) Chloroform	7.67	83	214623	49.81	ug/l	96
31) Cyclohexane	7.95	56	166016	46.44	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	163680	50.36	ug/l	99
36) 1,1-Dichloropropene	8.08	75	158436	48.39	ug/l	99
37) Ethyl Acetate	7.26	43	85948	52.93	ug/l	99
38) Carbon Tetrachloride	8.07	117	158146	49.33	ug/l	96

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051518\
 Data File : VW002531.D
 Acq On : 15 May 2018 00:11
 Operator : JC/SY
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051518

Manual Integrations
 APPROVED

apatel
 5/15/2018 6:12:10 PM

Quant Time: May 15 07:37:56 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 03:32:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	183029	48.80	ug/l	99
40) Benzene	8.32	78	463741	49.33	ug/l	99
41) Methacrylonitrile	7.49	41	54157	59.59	ug/l	89
42) 1,2-Dichloroethane	8.40	62	148053	49.59	ug/l	99
43) Isopropyl Acetate	8.43	43	165932	53.13	ug/l	99
44) Trichloroethene	9.09	130	126501	49.10	ug/l	97
45) 1,2-Dichloropropane	9.37	63	119450	49.86	ug/l	97
46) Dibromomethane	9.46	93	67795	49.73	ug/l	99
47) Bromodichloromethane	9.65	83	161900	50.92	ug/l	98
48) Methyl methacrylate	9.44	41	84550	55.87	ug/l	93
49) 1,4-Dioxane	9.45	88	22200	977.22	ug/l	98
51) 4-Methyl-2-Pentanone	10.22	43	458209	267.20	ug/l	100
52) Toluene	10.39	92	294514	49.55	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	164048	51.03	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	180988	50.51	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	95006	49.47	ug/l	97
56) Ethyl methacrylate	10.65	69	125459	53.61	ug/l	99
57) 1,3-Dichloropropane	10.94	76	161497	50.70	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	317916	276.70	ug/l	99
59) 2-Hexanone	10.98	43	318850	269.32	ug/l	100
60) Dibromochloromethane	11.13	129	116316	51.33	ug/l	100
61) 1,2-Dibromoethane	11.24	107	94290	50.87	ug/l	99
64) Tetrachloroethene	10.87	164	122579	51.33	ug/l	95
65) Chlorobenzene	11.66	112	339204	50.27	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	123410	51.09	ug/l	100
67) Ethyl Benzene	11.74	91	591331	51.57	ug/l	98
68) m/p-Xylenes	11.85	106	450558	101.06	ug/l	99
69) o-Xylene	12.18	106	216680	51.15	ug/l	100
70) Styrene	12.19	104	363062	51.49	ug/l	100
71) Bromoform	12.36	173	75374	53.11	ug/l #	100
73) Isopropylbenzene	12.48	105	591205	51.55	ug/l	99
74) N-amyl acetate	12.28	43	163495	55.96	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	121837	52.43	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	94616m	53.80	ug/l	
77) Bromobenzene	12.76	156	148462	50.74	ug/l	99
78) n-propylbenzene	12.82	91	721494	52.09	ug/l	99
79) 2-Chlorotoluene	12.90	91	408522	51.94	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	509446	52.05	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	34742	53.86	ug/l	99
82) 4-Chlorotoluene	13.00	91	439760	51.71	ug/l	98
83) tert-Butylbenzene	13.22	119	442070	52.30	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	526233	51.80	ug/l	99
85) sec-Butylbenzene	13.40	105	629378	51.83	ug/l	100
86) p-Isopropyltoluene	13.51	119	571471	52.32	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	298754	50.48	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	295010	50.10	ug/l	99
89) n-Butylbenzene	13.84	91	538353	52.11	ug/l	100
90) Hexachloroethane	14.11	117	102118	52.20	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	272530	50.75	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.50	75	21921	53.47	ug/l	98

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051518\
 Data File : VW002531.D
 Acq On : 15 May 2018 00:11
 Operator : JC/SY
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051518

Manual Integrations
 APPROVED

apatel
 5/15/2018 6:12:10 PM

Quant Time: May 15 07:37:56 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 03:32:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	198670	50.82	ug/l	99
94) Hexachlorobutadiene	15.25	225	109783	50.47	ug/l	99
95) Naphthalene	15.38	128	390118	54.88	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	179270	51.25	ug/l	100

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

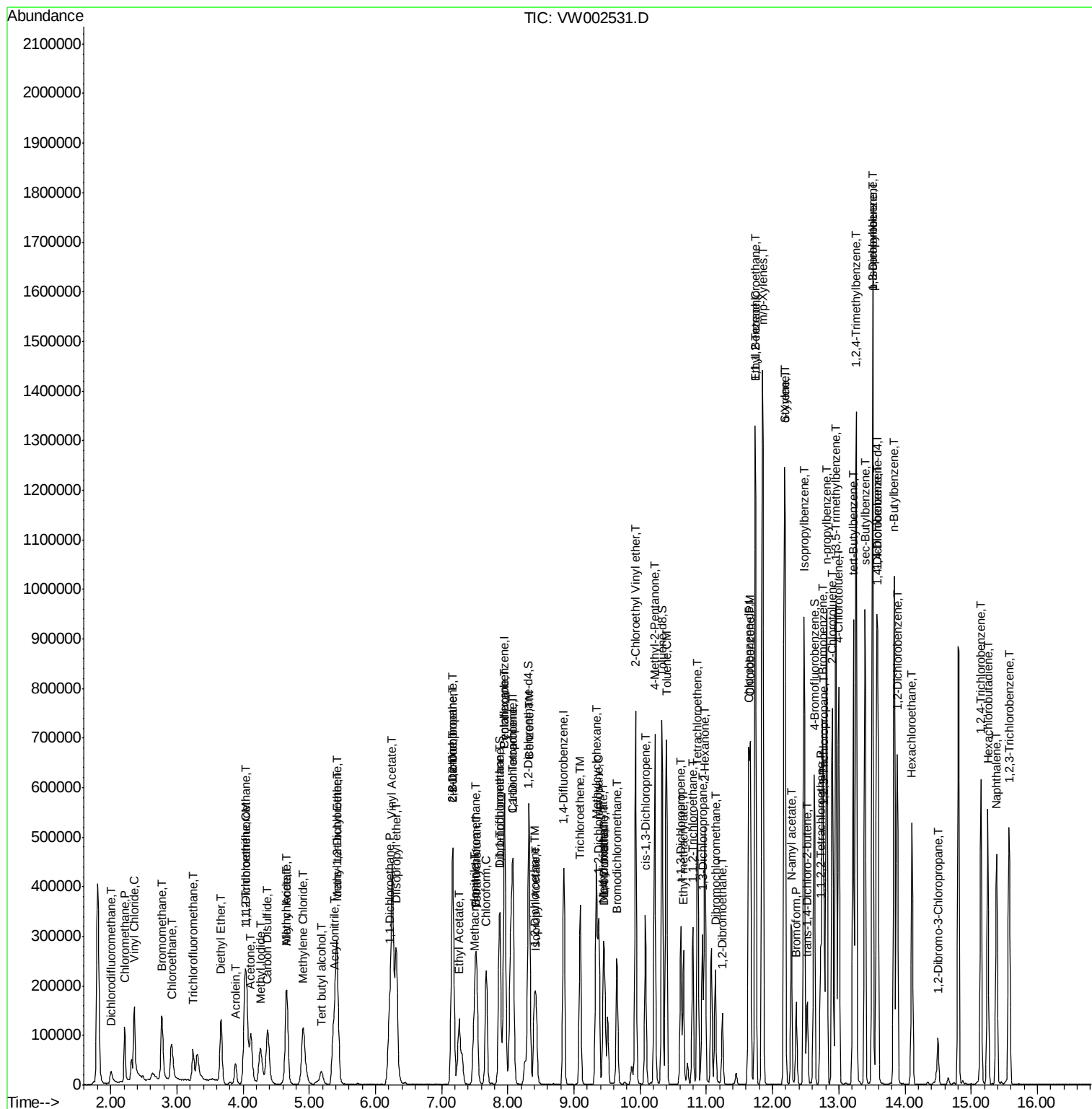
Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051518\
Data File : VW002531.D
Acq On : 15 May 2018 00:11
Operator : JC/SY
Sample : VSTDICV050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 27 Sample Multiplier: 1

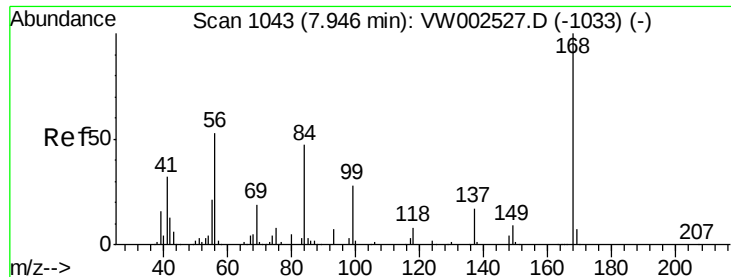
Instrument :
MSVOA_W
ClientSampleId :
ICVW051518

Manual Integrations
APPROVED

apatel
5/15/2018 6:12:10 PM

Quant Time: May 15 07:37:56 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
Quant Title : SW846 8260
QLast Update : Tue May 15 03:32:11 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Instrument :

MSVOA_W

ClientSampleId :

ICVW051518

Tot Ion:168 Resp: 243524

Ion Ratio Lower Upper

168 100

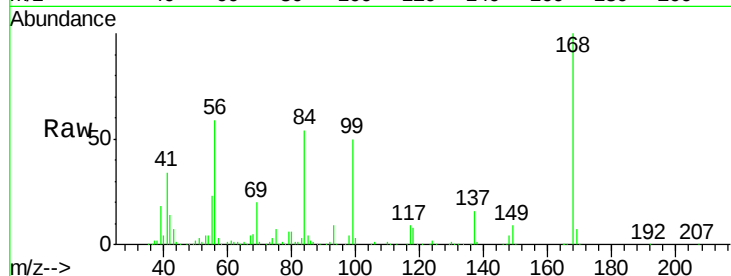
99 50.0 42.6 64.0

Manual Integrations

APPROVED

apatel

5/15/2018 6:12:10 PM



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

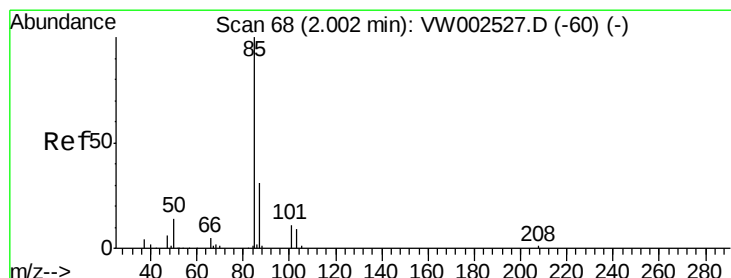
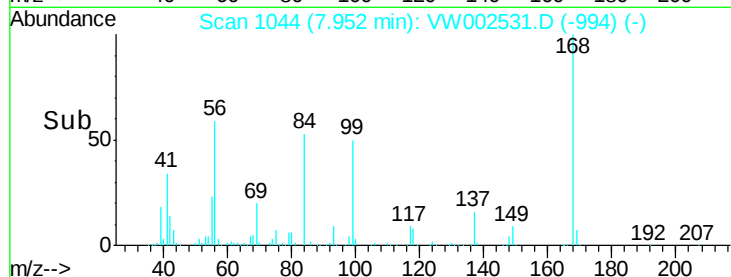
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 48.16 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW002531.D

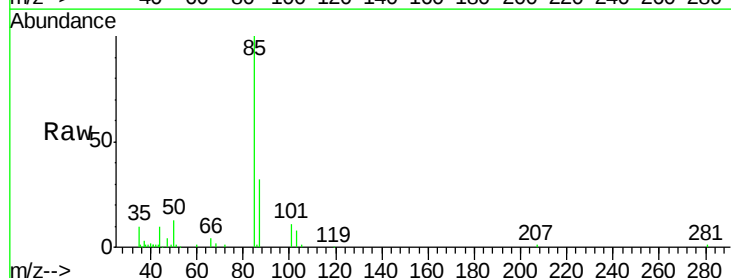
Acq: 15 May 2018 00:11

Tgt Ion: 85 Resp: 45253

Ion Ratio Lower Upper

85 100

87 32.3 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

15000

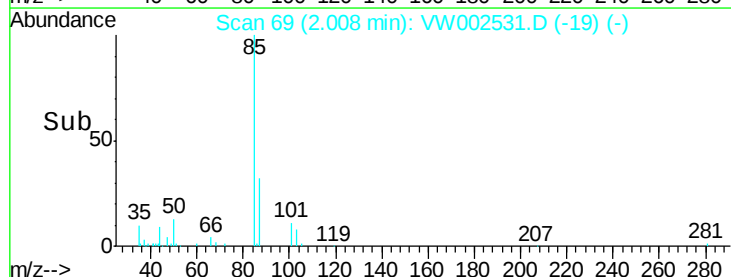
10000

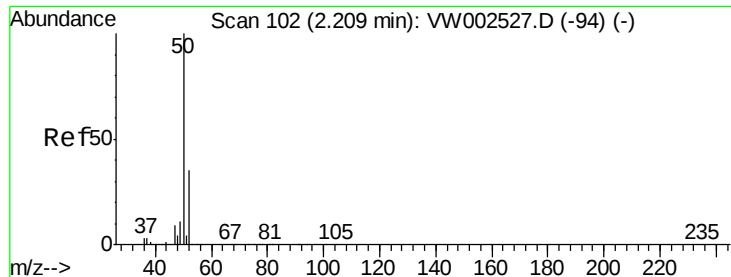
5000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 54.34 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Instrument :

MSVOA_W

ClientSampleId :

ICVW051518

Tot Ion: 50 Resp: 97683

Ion Ratio Lower Upper

50 100

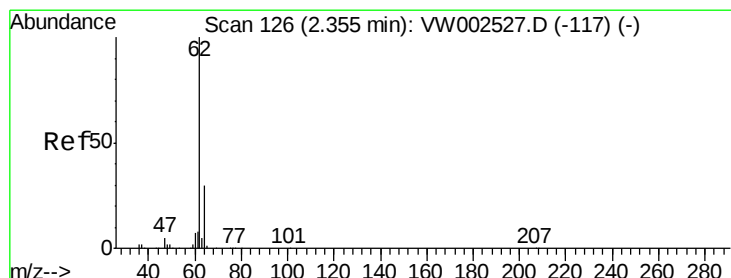
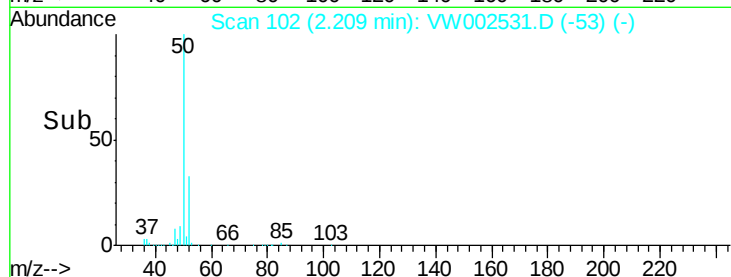
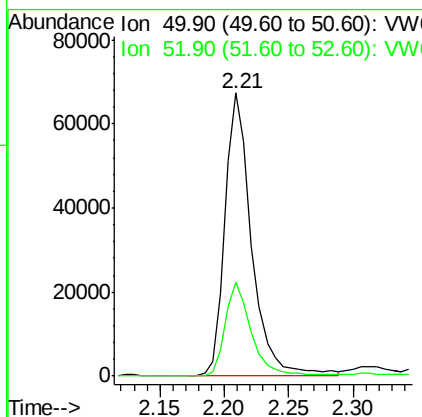
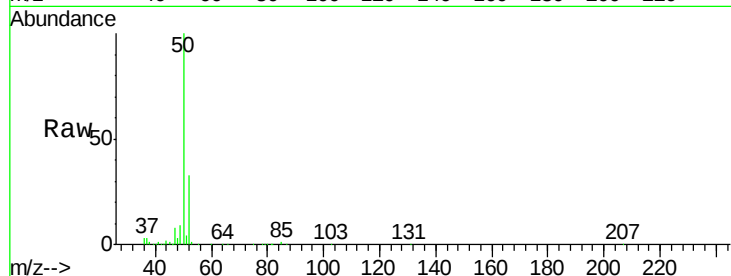
52 33.0 27.8 41.8

Manual Integrations

APPROVED

apatel

5/15/2018 6:12:10 PM



#4

Vinyl Chloride

Concen: 54.44 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW002531.D

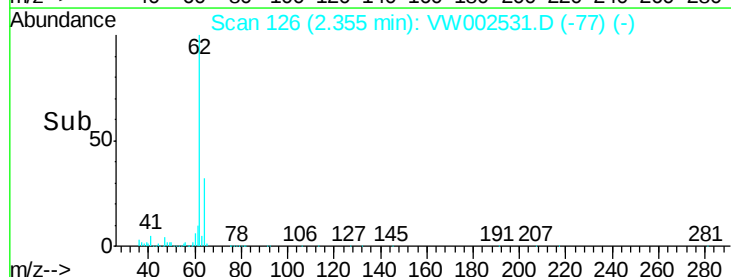
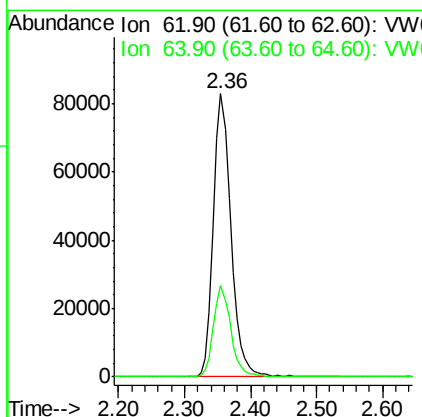
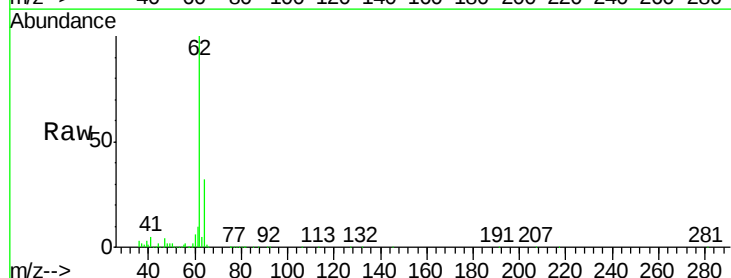
Acq: 15 May 2018 00:11

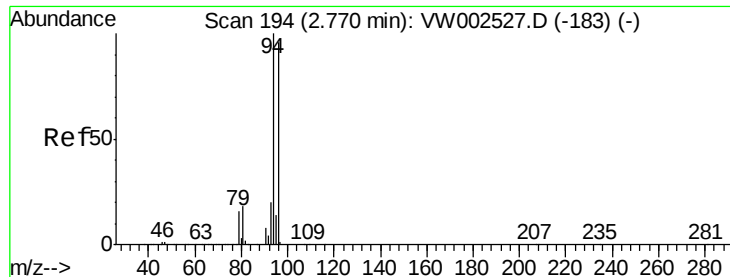
Tgt Ion: 62 Resp: 153445

Ion Ratio Lower Upper

62 100

64 32.1 24.0 36.0





#5

Bromomethane

Concen: 48.44 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Instrument :

MSVOA_W

ClientSampleId :

ICVW051518

Tot Ion: 94 Resp: 111953

Ion Ratio Lower Upper

94 100

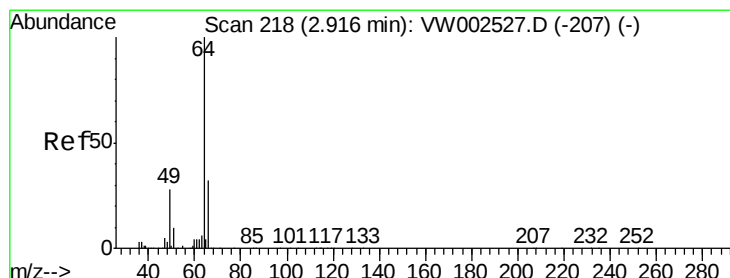
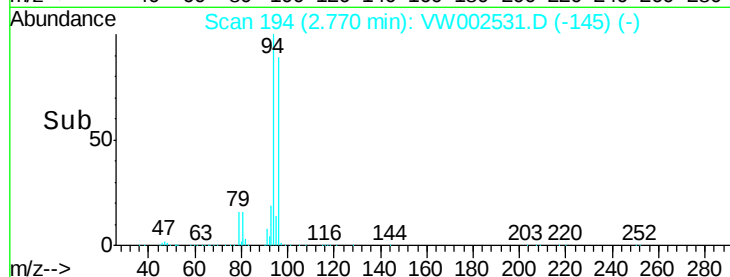
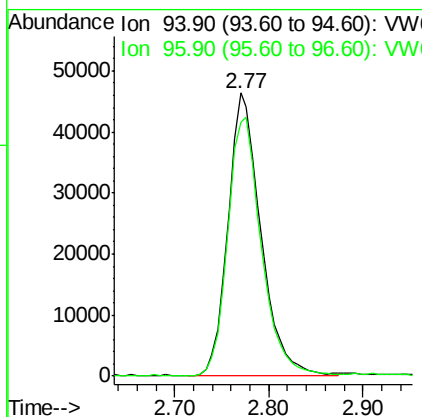
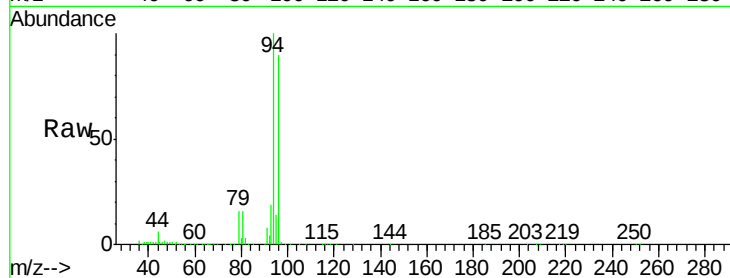
96 89.4 77.0 115.4

Manual Integrations

APPROVED

apatel

5/15/2018 6:12:10 PM



#6

Chloroethane

Concen: 50.58 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.01 min

Lab File: VW002531.D

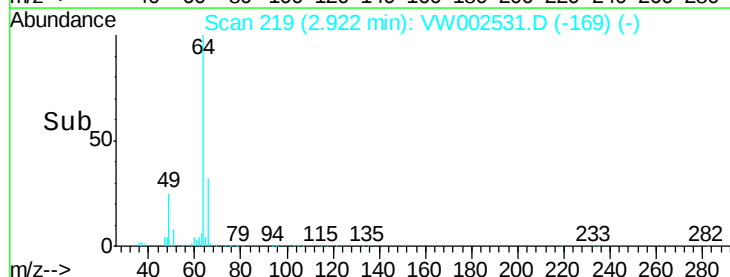
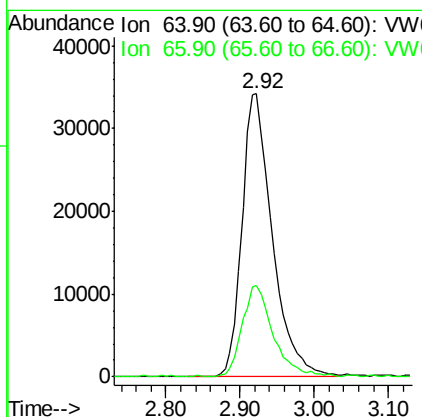
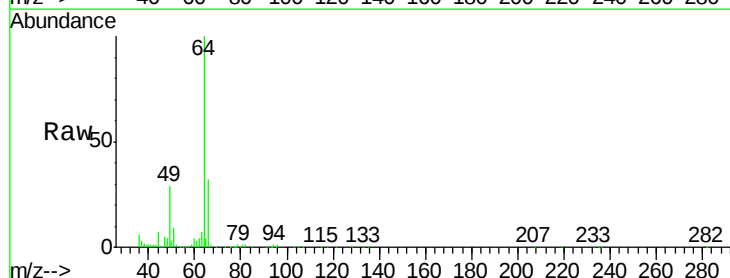
Acq: 15 May 2018 00:11

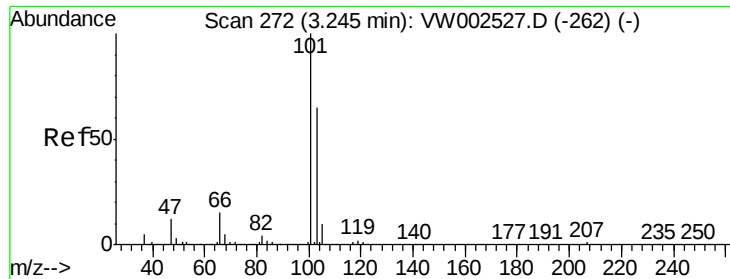
Tgt Ion: 64 Resp: 98124

Ion Ratio Lower Upper

64 100

66 32.0 25.8 38.8





#7

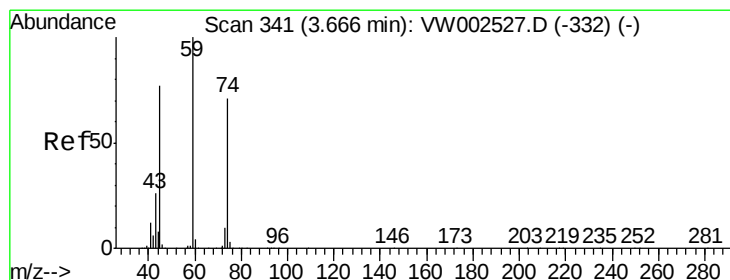
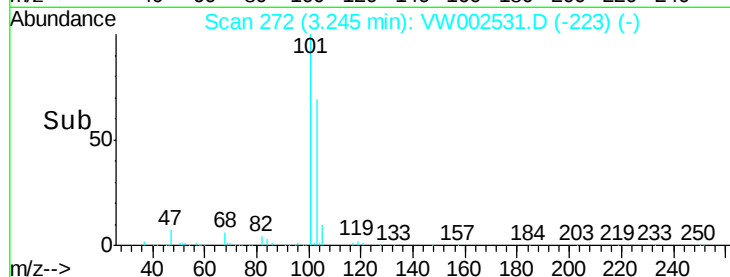
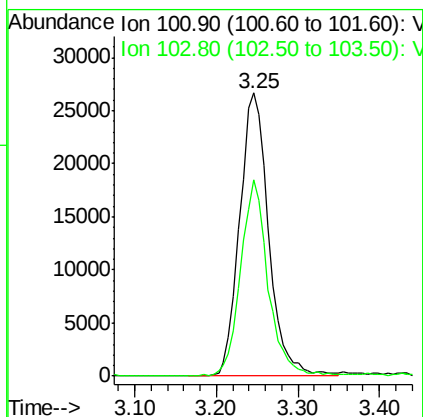
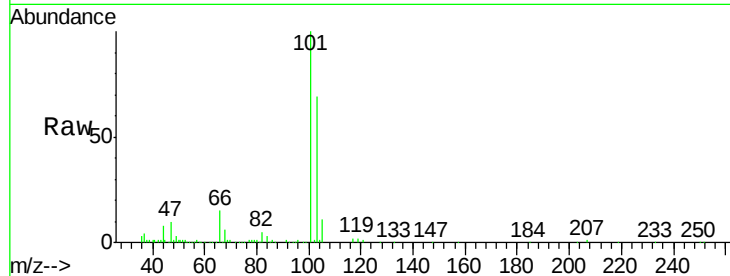
Trichlorofluoromethane
Concen: 53.06 ug/l
RT: 3.25 min Scan# 272
Delta R.T. 0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Instrument :
MSVOA_W
ClientSampleId :
ICVW051518

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.9	51.8	77.8

Manual Integrations
APPROVED

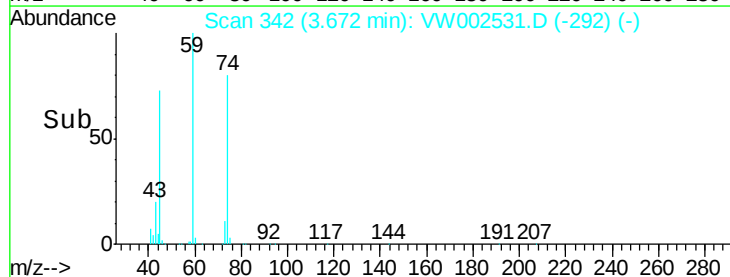
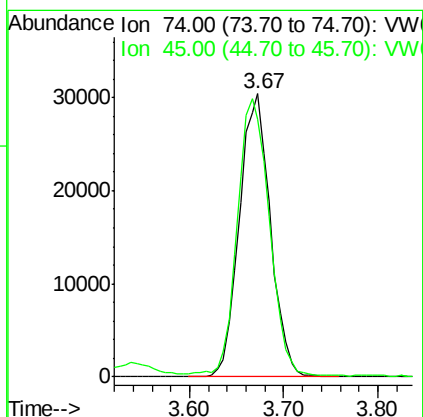
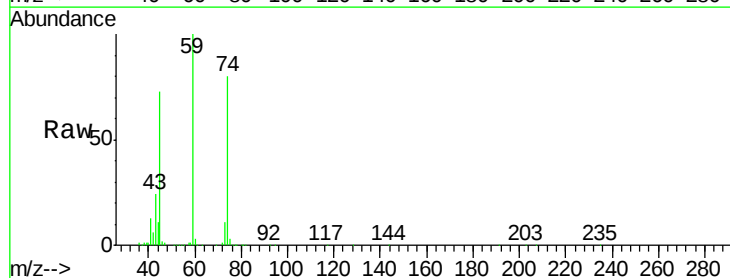
apatel
5/15/2018 6:12:10 PM

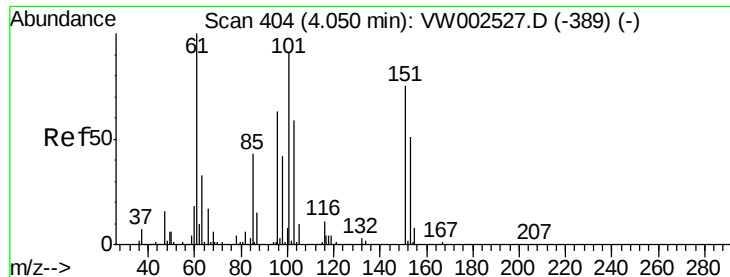


#8

Diethyl Ether
Concen: 47.13 ug/l
RT: 3.67 min Scan# 342
Delta R.T. 0.01 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.1	52.3	156.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.88 ug/l

RT: 4.05 min Scan# 404

Delta R.T. 0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Instrument :

MSVOA_W

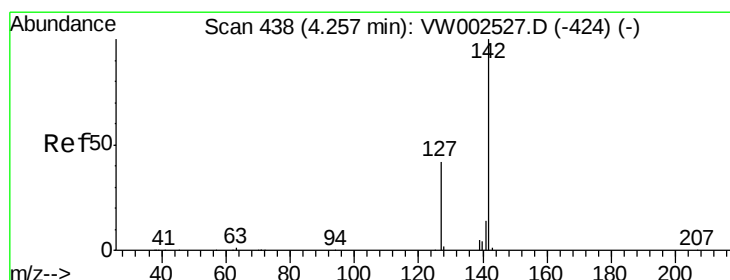
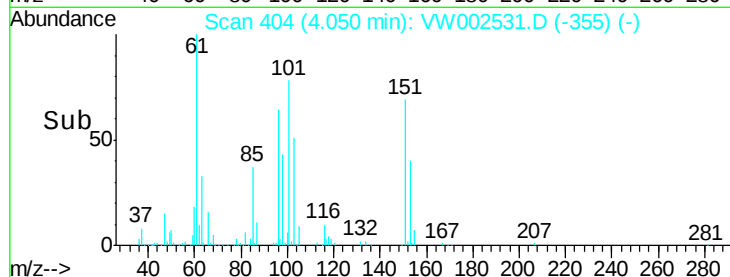
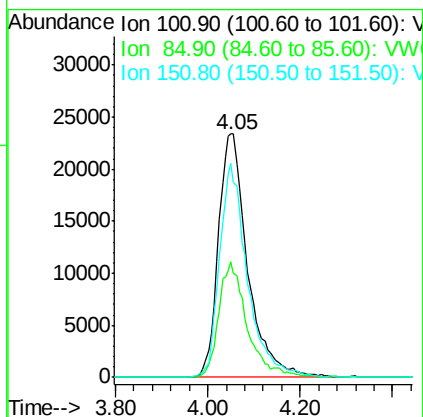
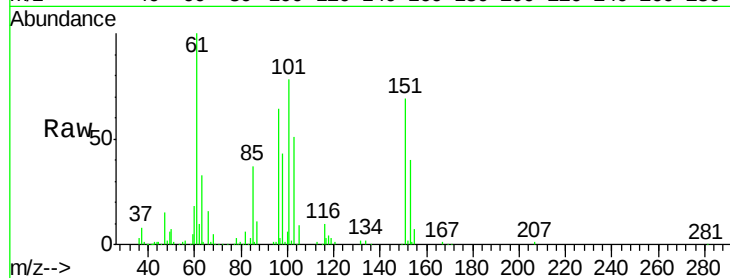
ClientSampleId :

ICVW051518

Tot Ion:	101	Resp:	102645
Ion Ratio	Lower	Upper	
101	100		
85	45.9	36.5	54.7
151	84.0	66.7	100.1

Manual Integrations
APPROVED

apatel
5/15/2018 6:12:10 PM



#10

Methyl Iodide

Concen: 49.90 ug/l

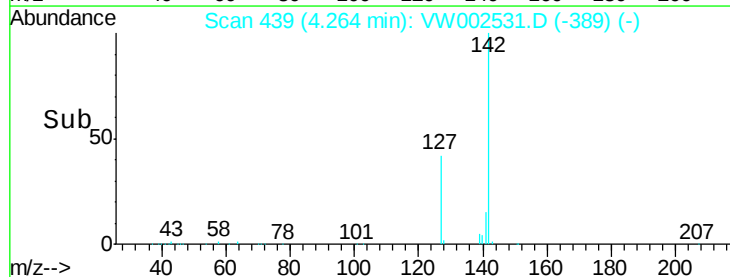
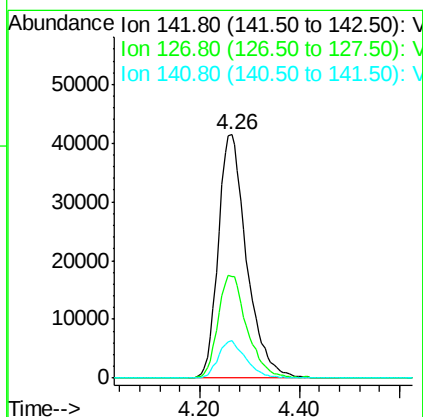
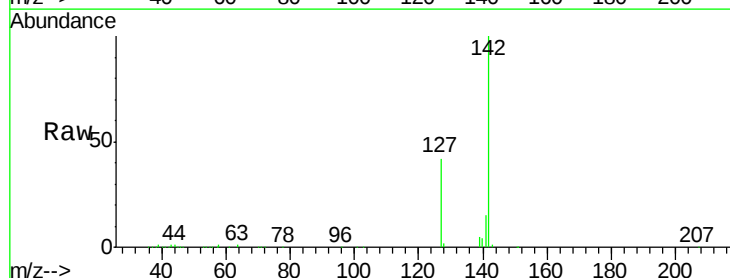
RT: 4.26 min Scan# 439

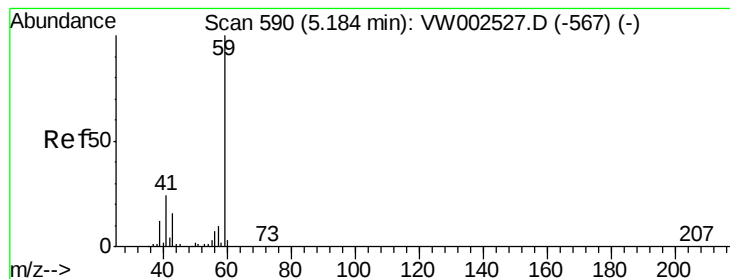
Delta R.T. 0.01 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Tgt Ion:	142	Resp:	163644
Ion Ratio	Lower	Upper	
142	100		
127	43.2	34.6	52.0
141	15.1	11.8	17.8





#11

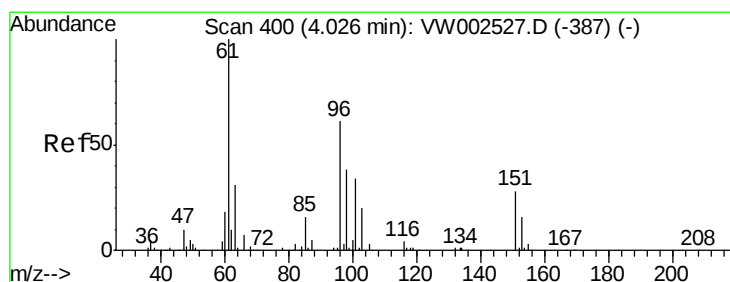
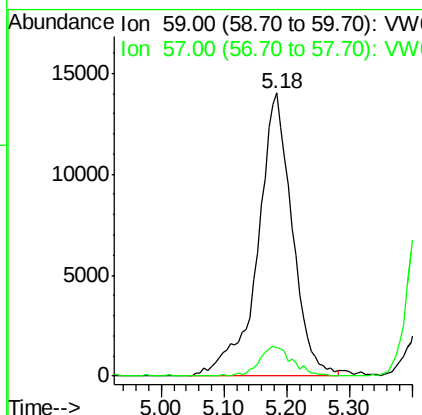
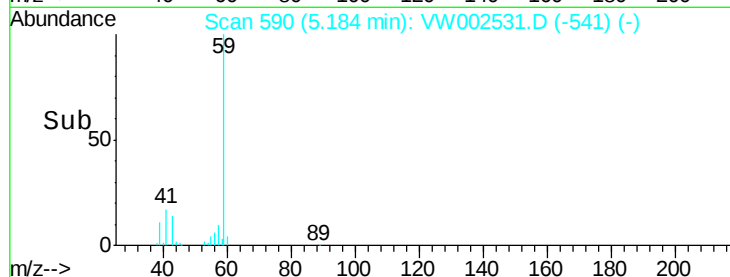
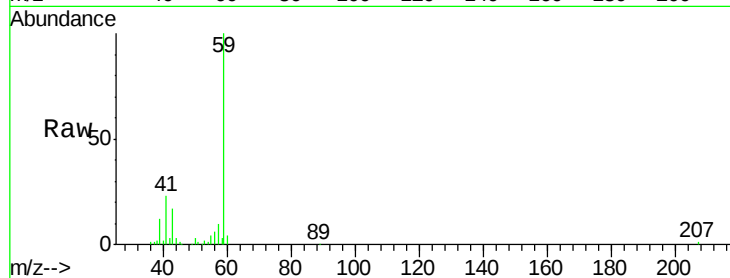
Tert butyl alcohol
Concen: 275.81 ug/l
RT: 5.18 min Scan# 590
Delta R.T. -0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Instrument :
MSVOA_W
ClientSampleId :
ICVW051518

Tot Ion	59	Resp	53353
Ion Ratio	100	Lower	Upper
57	10.2	8.2	12.4

Manual Integrations
APPROVED

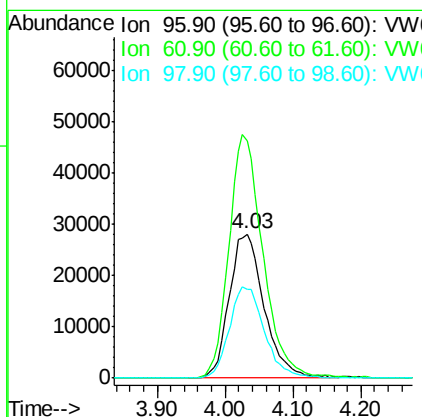
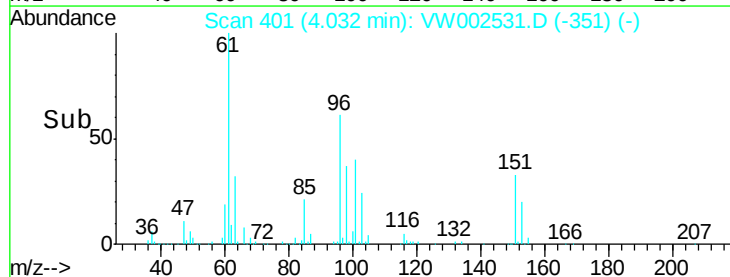
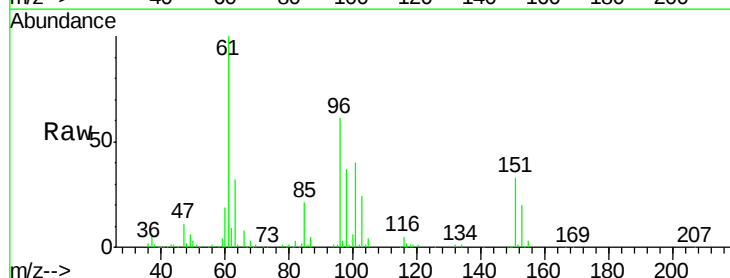
apatel
5/15/2018 6:12:10 PM

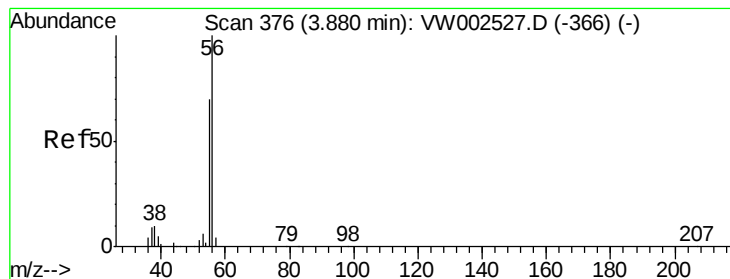


#12

1,1-Dichloroethene
Concen: 49.12 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.01 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Tgt Ion	96	Resp	100041
Ion Ratio	100	Lower	Upper
61	165.2	132.2	198.2
98	61.8	50.6	76.0





#13

Acrolein

Concen: 255.35 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.01 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Instrument :

MSVOA_W

ClientSampleId :

ICVW051518

Tot Ion: 56 Resp: 48662

Ion Ratio Lower Upper

56 100

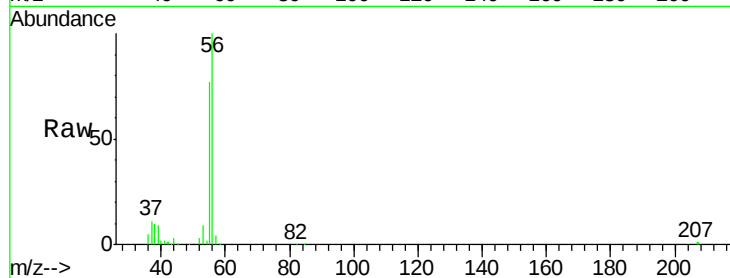
55 76.3 57.0 85.4

Manual Integrations

APPROVED

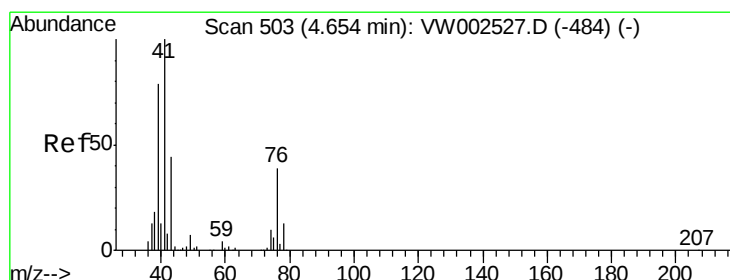
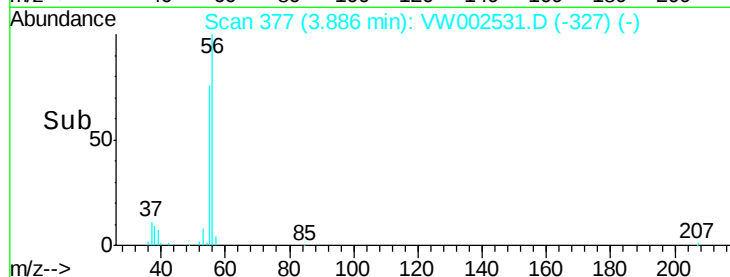
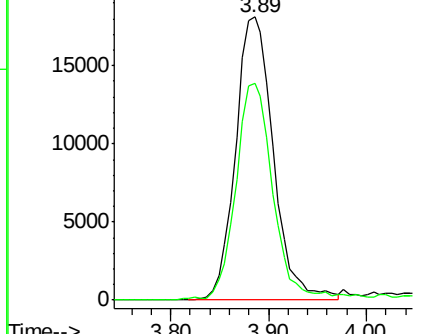
apatel

5/15/2018 6:12:10 PM



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 51.08 ug/l

RT: 4.65 min Scan# 503

Delta R.T. 0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

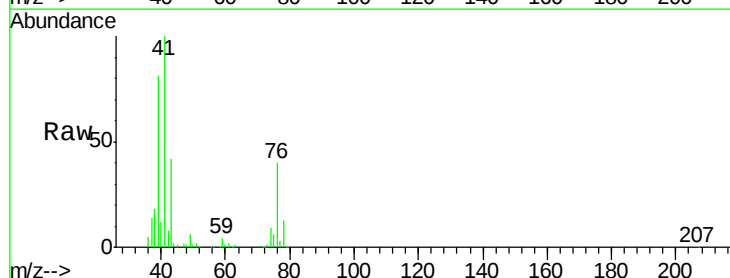
Tgt Ion: 41 Resp: 154391

Ion Ratio Lower Upper

41 100

39 78.8 61.4 92.2

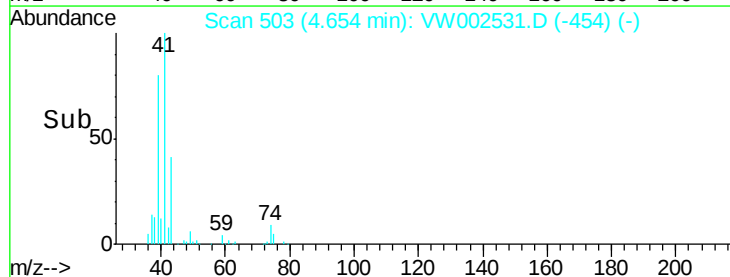
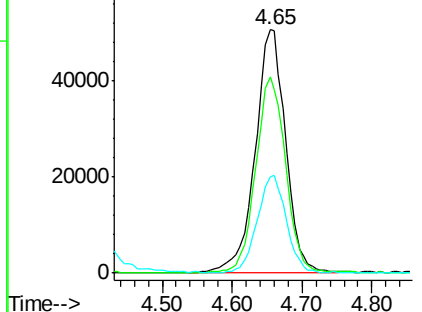
76 37.6 29.6 44.4

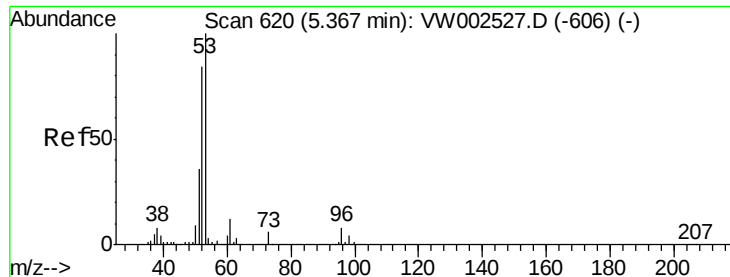


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 263.41 ug/l

RT: 5.37 min Scan# 620

Delta R.T. -0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Instrument :

MSVOA_W

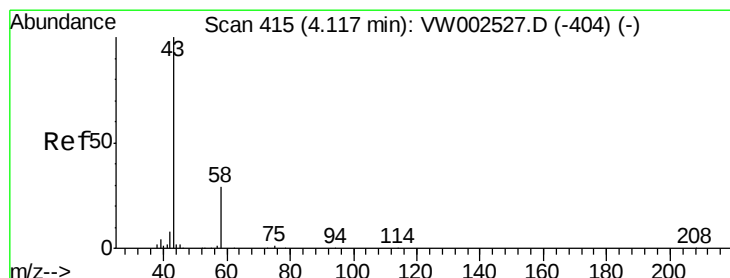
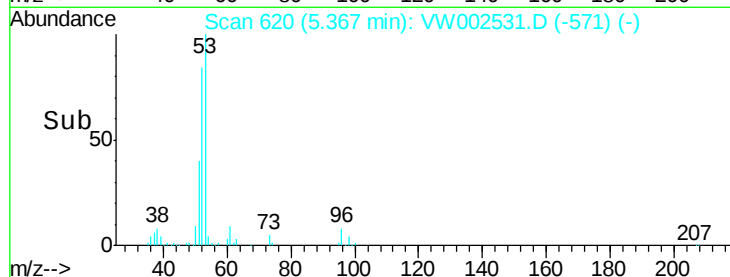
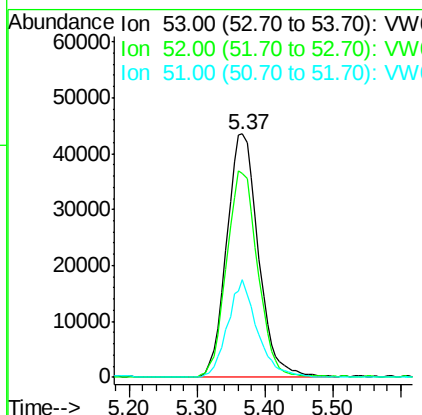
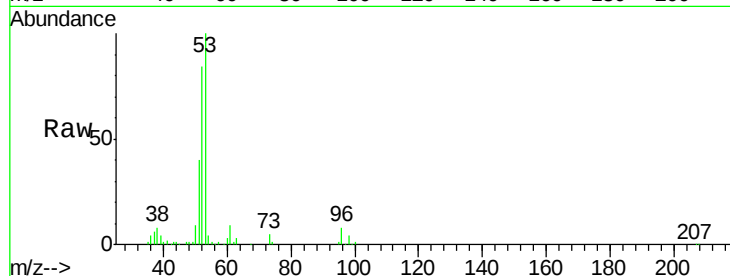
ClientSampleId :

ICVW051518

Tot Ion:	53	Resp:	141183
Ion Ratio		Lower	Upper
53	100		
52	83.0	66.6	100.0
51	37.5	30.6	46.0

Manual Integrations
APPROVED

apatel
5/15/2018 6:12:10 PM



#16

Acetone

Concen: 251.65 ug/l

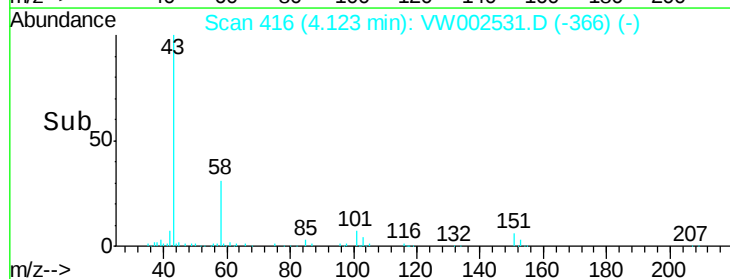
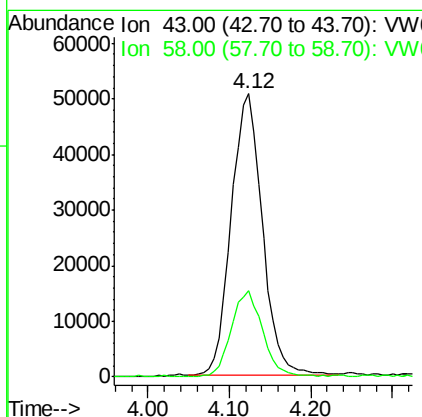
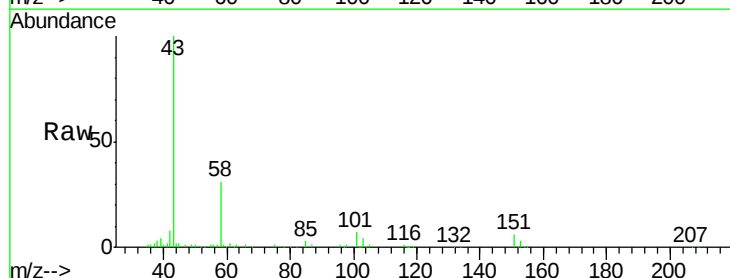
RT: 4.12 min Scan# 416

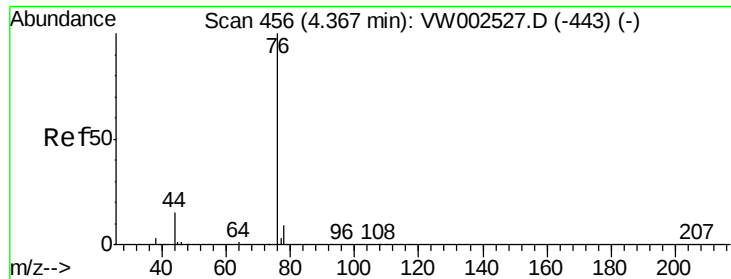
Delta R.T. 0.01 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Tgt Ion:	43	Resp:	133694
Ion Ratio		Lower	Upper
43	100		
58	30.7	23.4	35.0





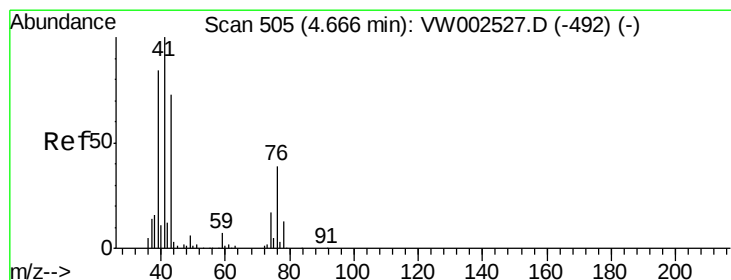
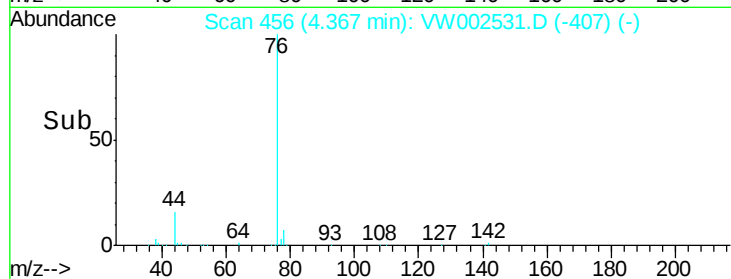
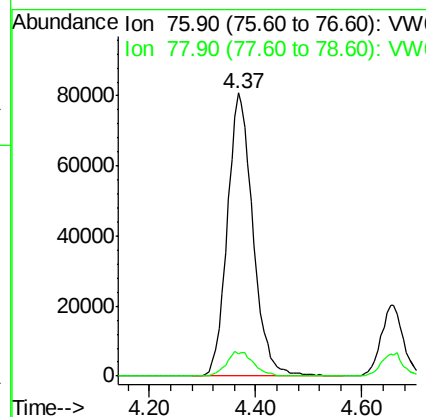
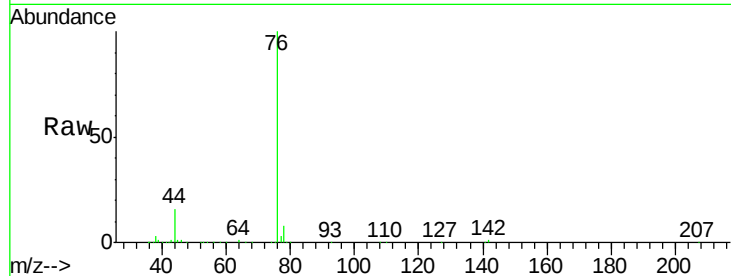
#17
Carbon Disulfide
Concen: 48.36 ug/l
RT: 4.37 min Scan# 456
Delta R.T. 0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Instrument :
MSVOA_W
ClientSampleId :
ICVW051518

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.5	11.3

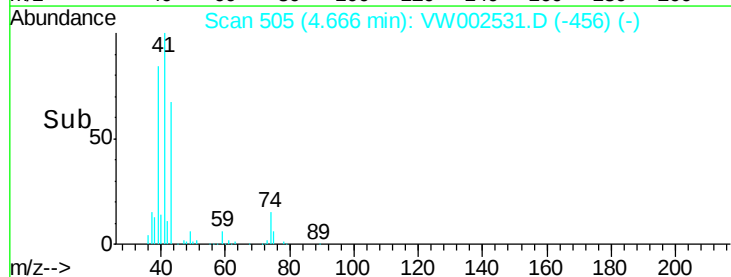
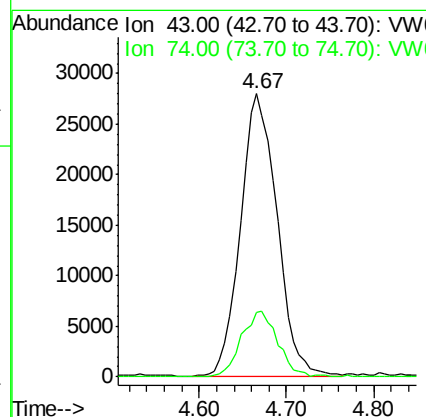
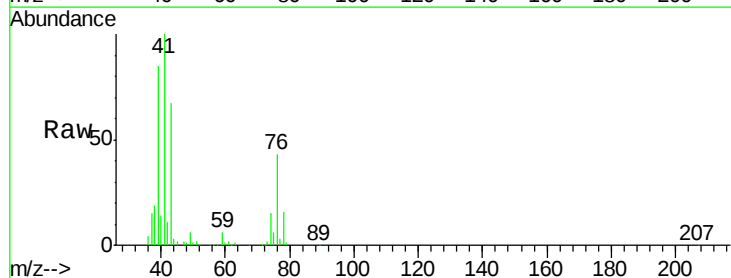
Manual Integrations
APPROVED

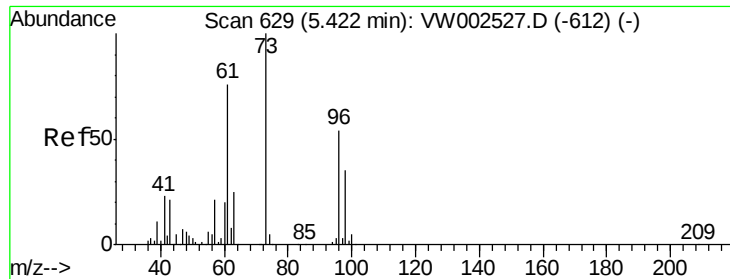
apatel
5/15/2018 6:12:10 PM



#18
Methyl Acetate
Concen: 52.56 ug/l
RT: 4.67 min Scan# 505
Delta R.T. -0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	19.2	28.8





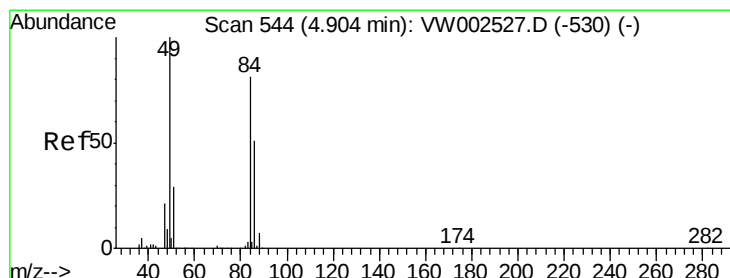
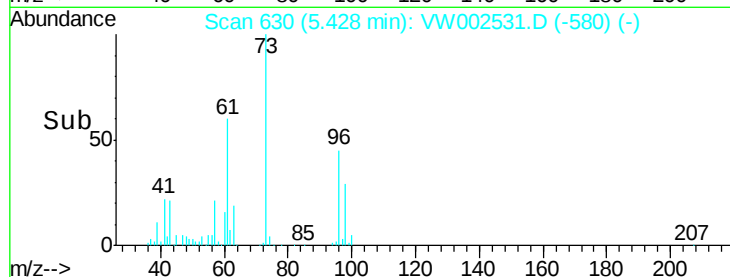
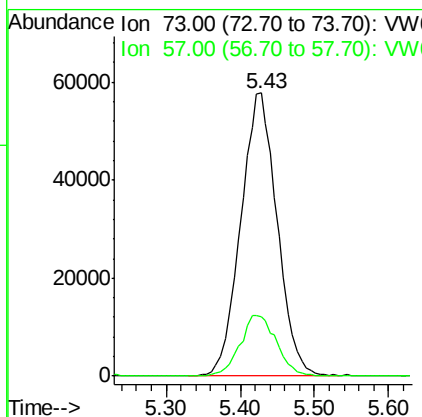
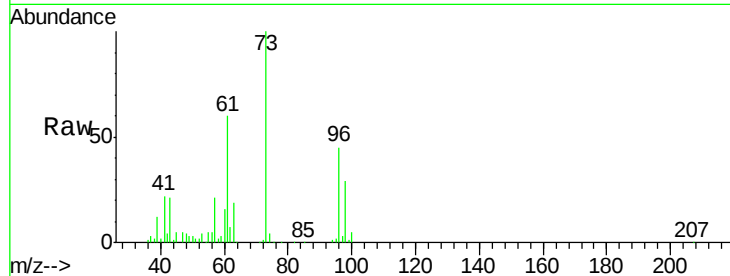
#19
Methvl tert-butvl Ether
Concen: 52.80 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.01 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Instrument :
MSVOA_W
ClientSampleId :
ICVW051518

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.0	25.6

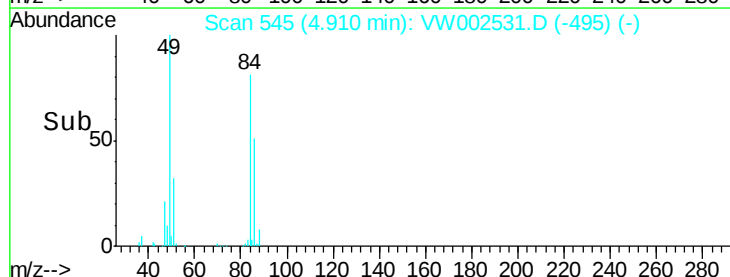
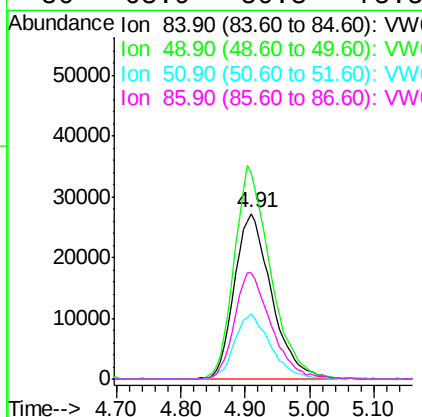
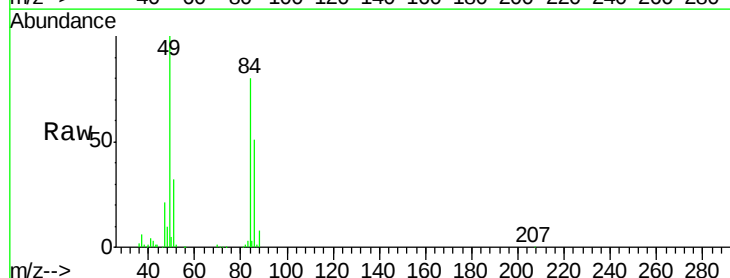
Manual Integrations
APPROVED

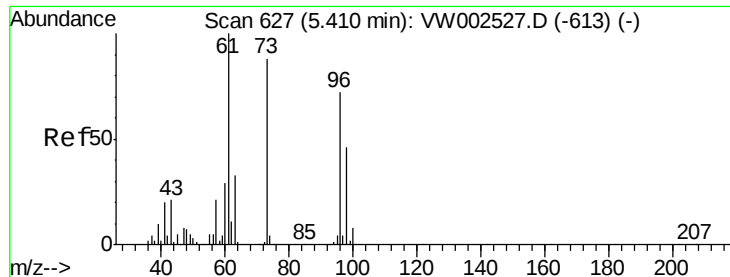
apatel
5/15/2018 6:12:10 PM



#20
Methylene Chloride
Concen: 51.59 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.01 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.5	99.4	149.0
51	39.4	29.0	43.6
86	63.9	50.3	75.5





#21

trans-1,2-Dichloroethene

Concen: 49.28 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Instrument :

MSVOA_W

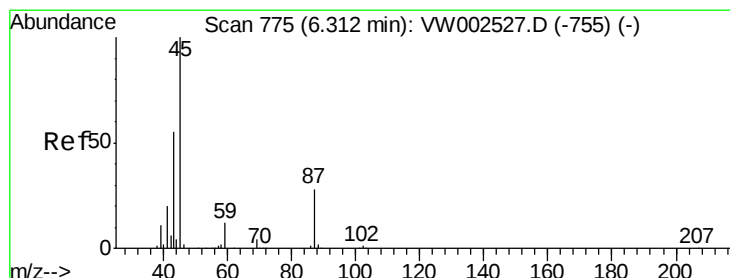
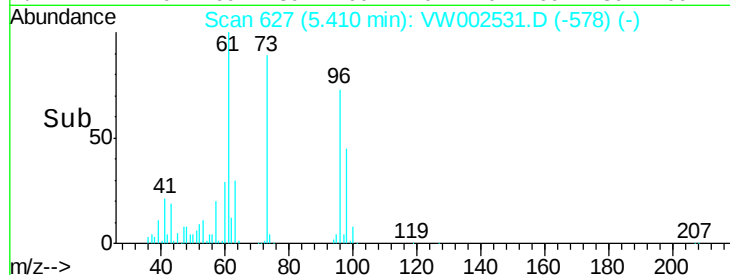
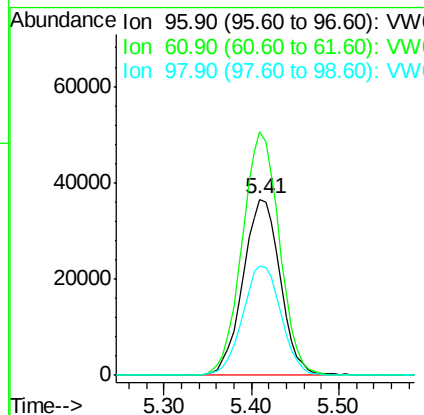
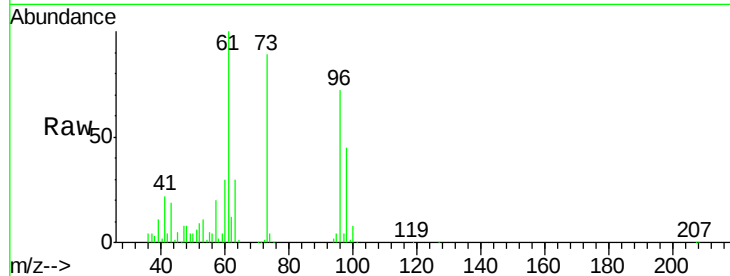
ClientSampleId :

ICVW051518

Tot Ion:	96	Resp:	108498
Ion Ratio	Lower	Upper	
96	100		
61	138.1	111.6	167.4
98	61.8	51.7	77.5

Manual Integrations
APPROVED

apatel
5/15/2018 6:12:10 PM



#22

Diisopropyl ether

Concen: 52.12 ug/l

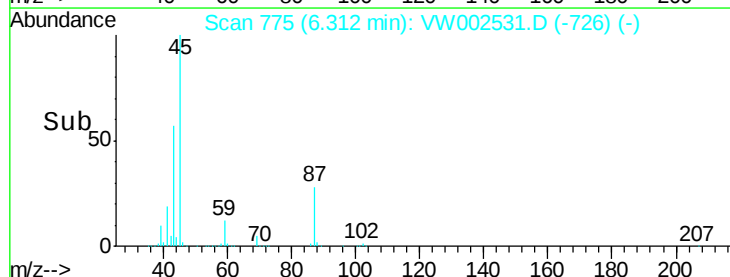
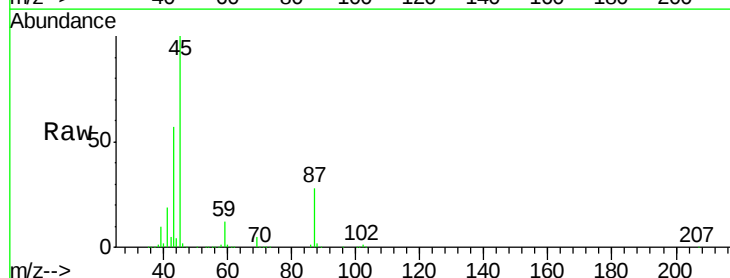
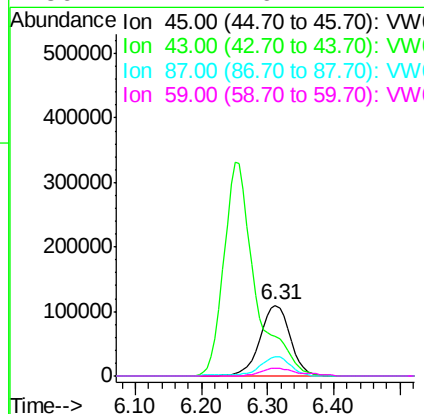
RT: 6.31 min Scan# 775

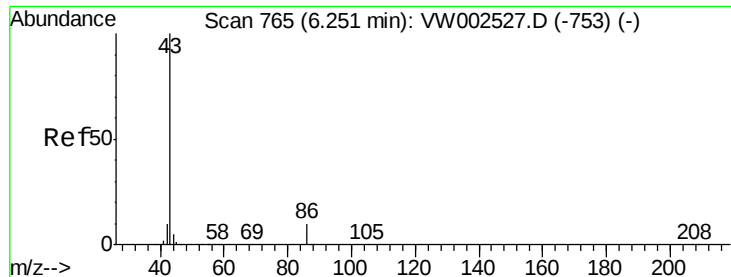
Delta R.T. -0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Tgt Ion:	45	Resp:	348960
Ion Ratio	Lower	Upper	
45	100		
43	56.5	44.4	66.6
87	27.6	23.0	34.4
59	11.7	9.4	14.2





#23

Vinyl Acetate

Concen: 268.10 ug/l

RT: 6.25 min Scan# 765

Delta R.T. -0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Tot Ion: 43 Resp: 1087905

Ion Ratio Lower Upper

43 100

86 9.5 7.9 11.9

Instrument :

MSVOA_W

ClientSampleId :

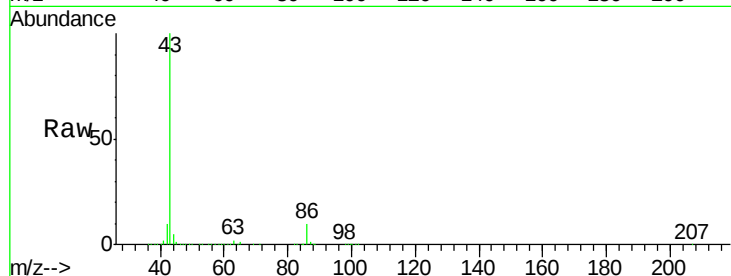
ICVW051518

Manual Integrations

APPROVED

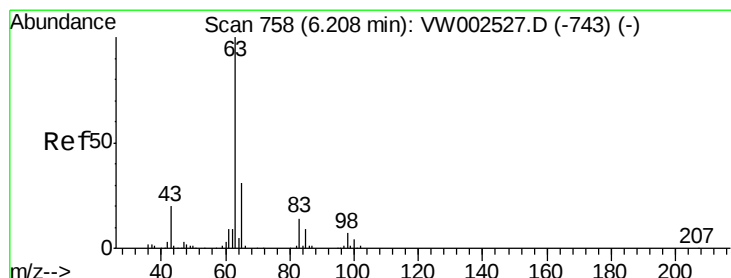
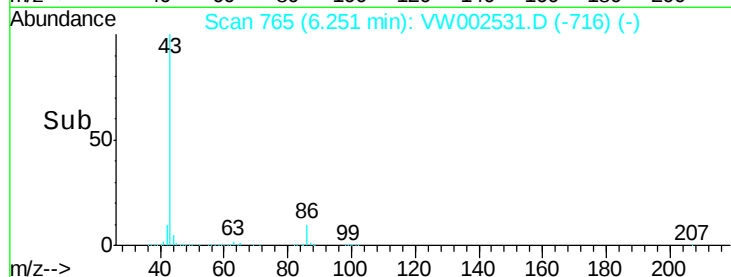
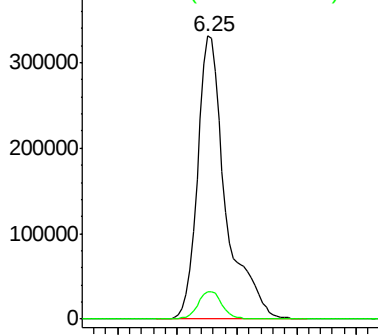
apatel

5/15/2018 6:12:10 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 49.99 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.01 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

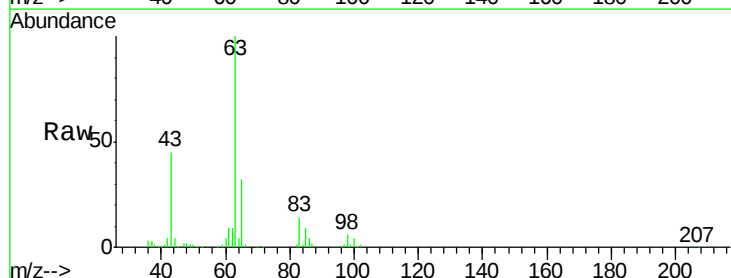
Tgt Ion: 63 Resp: 201714

Ion Ratio Lower Upper

63 100

98 6.3 3.6 10.9

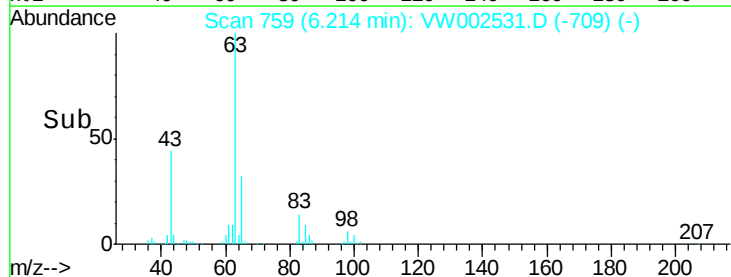
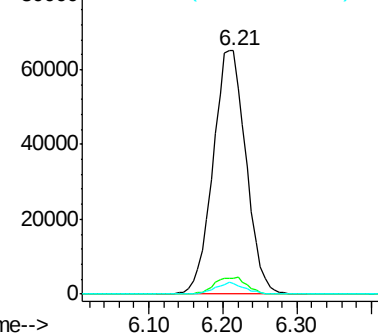
100 4.4 2.1 6.5

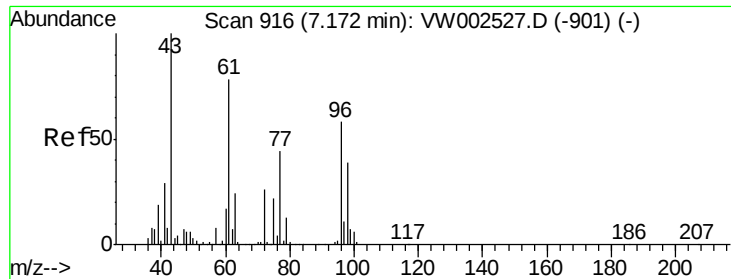


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





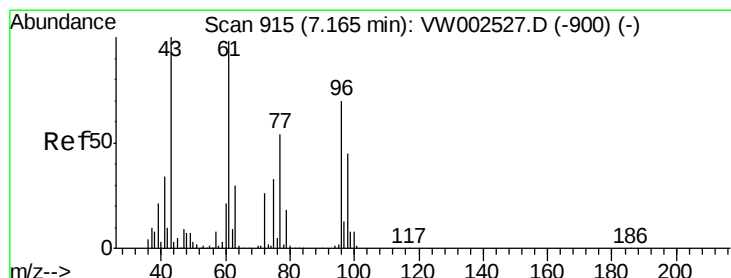
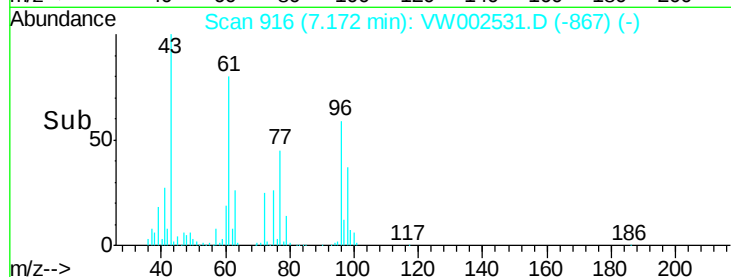
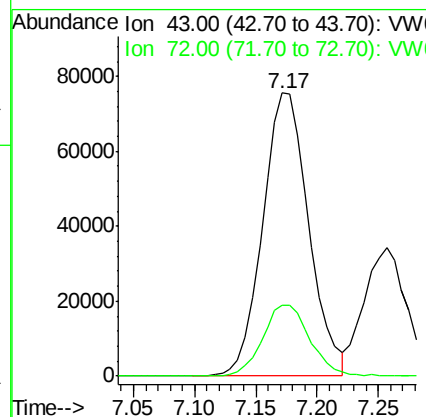
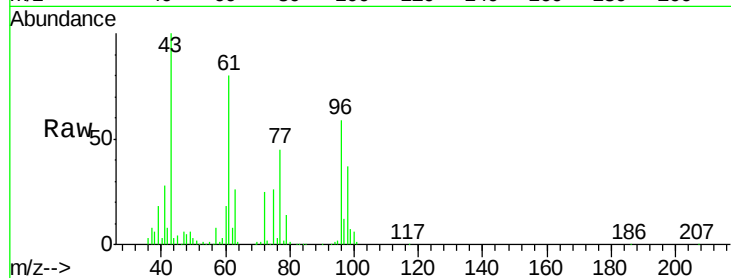
#25
2-Butanone
Concen: 263.55 ug/l
RT: 7.17 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Instrument :
MSVOA_W
ClientSampleId :
ICVW051518

Tot Ion: 43 Resp: 197995
Ion Ratio Lower Upper
43 100
72 25.3 20.9 31.3

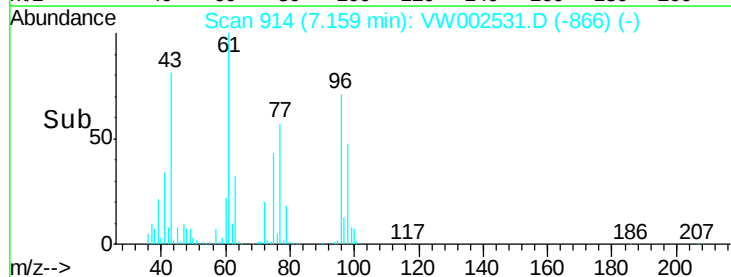
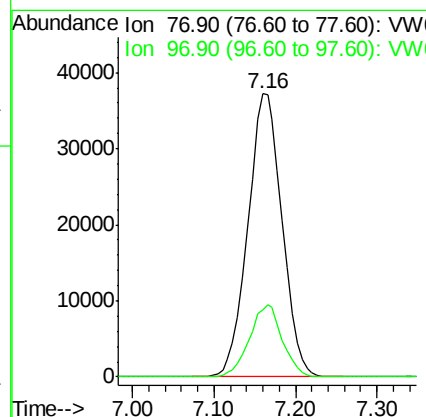
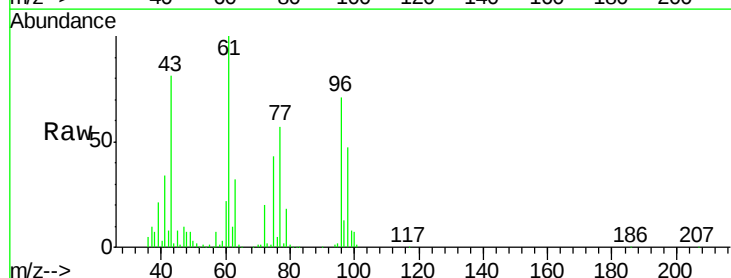
Manual Integrations
APPROVED

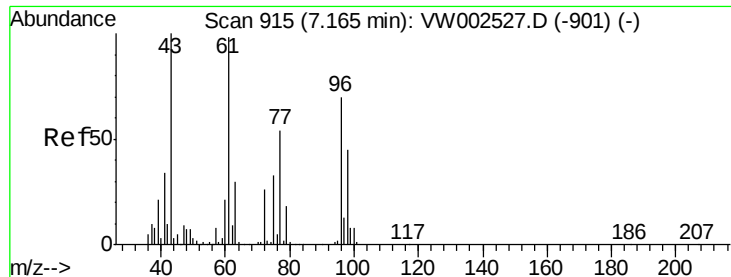
apatel
5/15/2018 6:12:10 PM



#26
2,2-Dichloropropane
Concen: 48.00 ug/l
RT: 7.16 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Tgt Ion: 77 Resp: 108540
Ion Ratio Lower Upper
77 100
97 24.4 12.1 36.3





#27

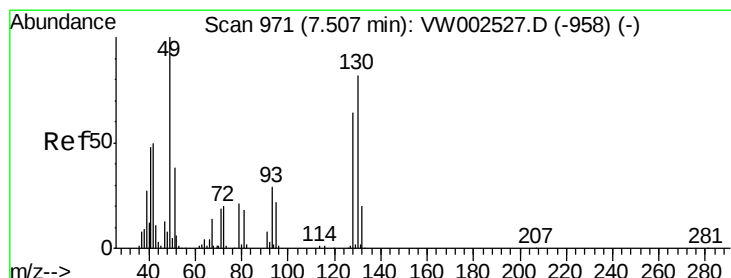
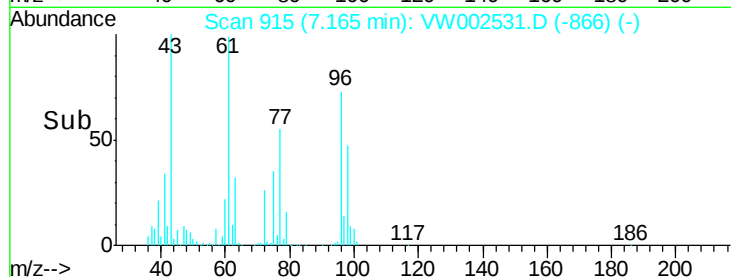
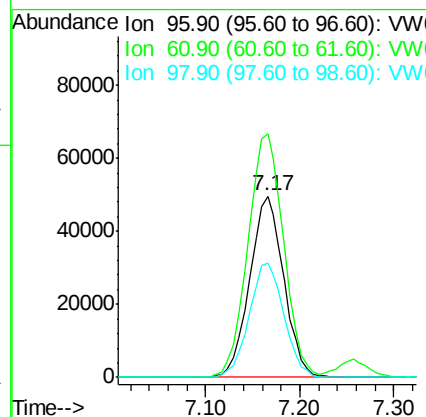
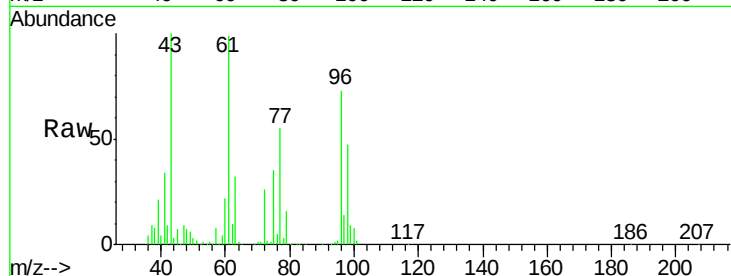
cis-1,2-Dichloroethene
Concen: 50.04 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Instrument :
MSVOA_W
ClientSampleId :
ICVW051518

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	140.9	0.0	281.6	
98	64.4	0.0	130.8	

Manual Integrations
APPROVED

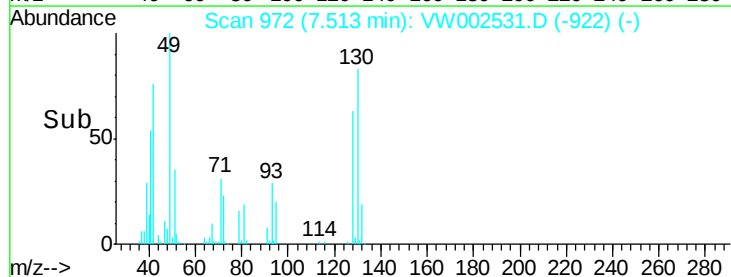
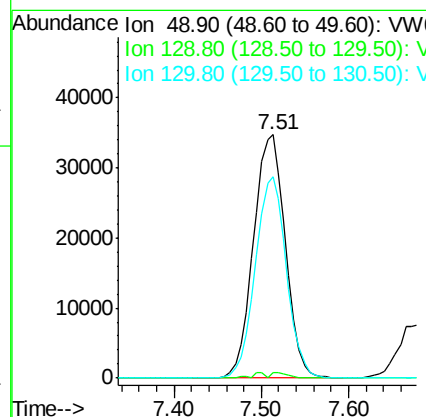
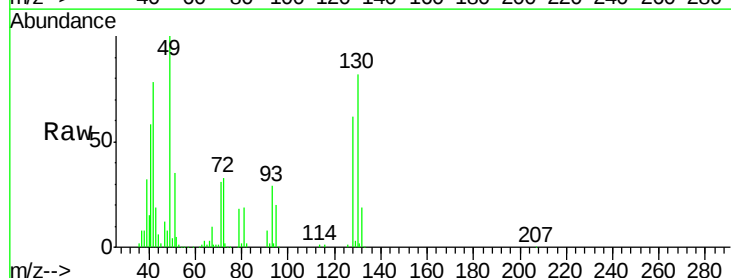
apatel
5/15/2018 6:12:10 PM

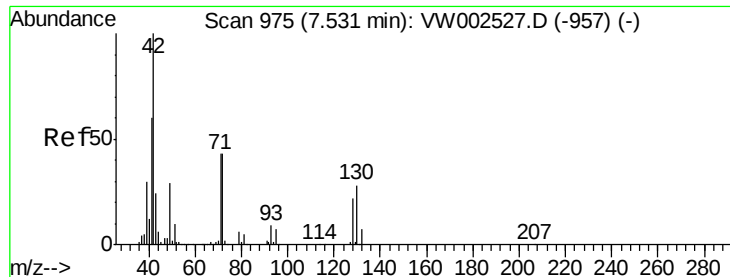


#28

Bromochloromethane
Concen: 48.81 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.01 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.3	0.0	4.4	
130	80.6	64.7	97.1	





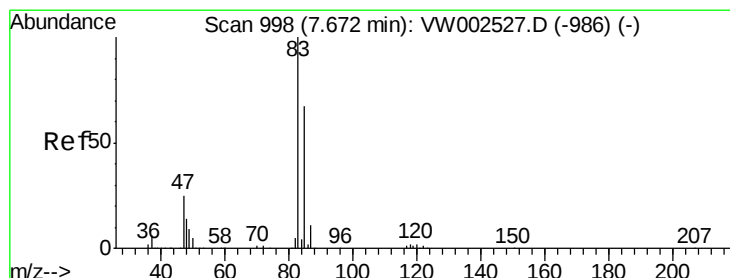
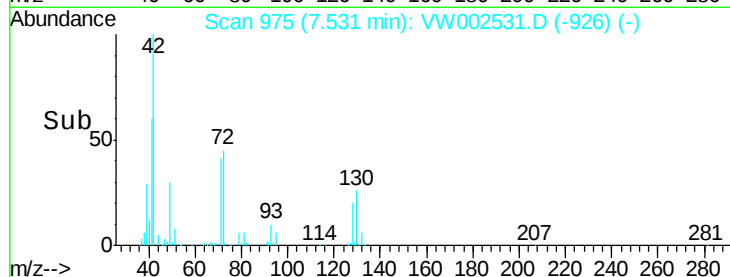
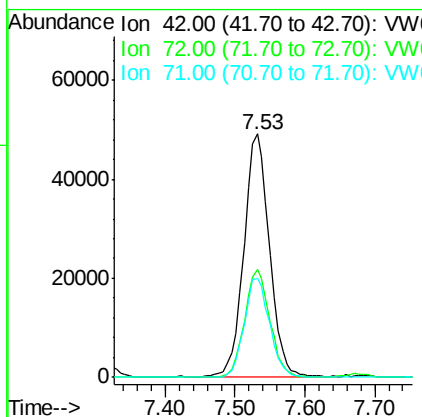
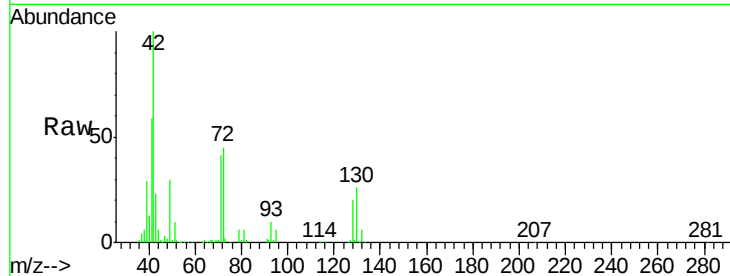
#29
Tetrahydrofuran
Concen: 266.94 ug/l
RT: 7.53 min Scan# 975
Delta R.T. 0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Instrument :
MSVOA_W
ClientSampleId :
ICVW051518

Tot Ion:	42	Resp:	125276
Ion	Ratio	Lower	Upper
42	100		
72	43.6	35.0	52.4
71	40.0	33.0	49.6

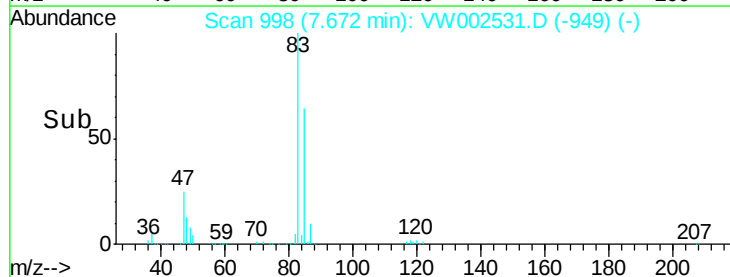
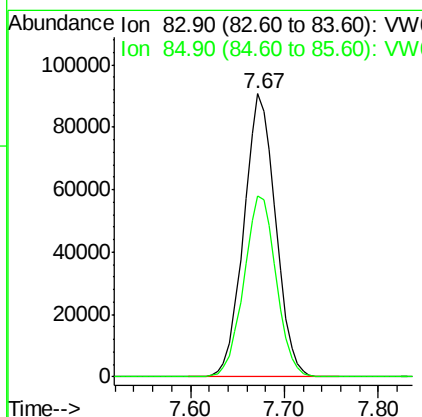
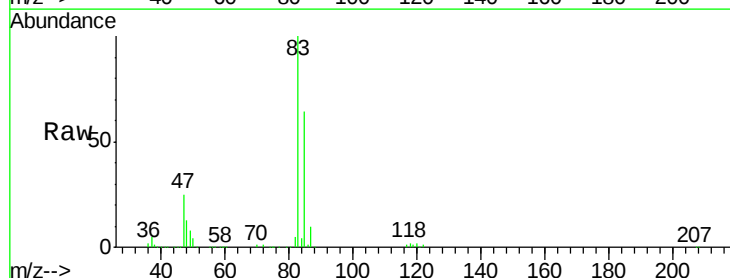
Manual Integrations
APPROVED

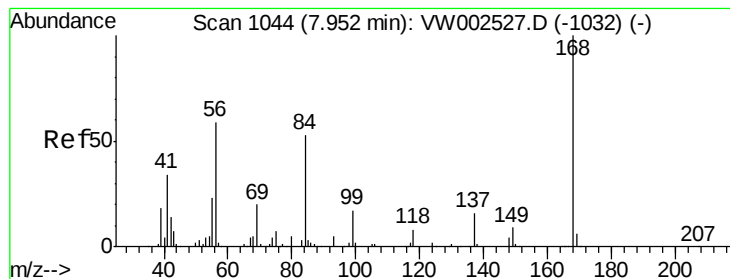
apatel
5/15/2018 6:12:10 PM



#30
Chloroform
Concen: 49.81 ug/l
RT: 7.67 min Scan# 998
Delta R.T. 0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Tgt Ion:	83	Resp:	214623
Ion	Ratio	Lower	Upper
83	100		
85	64.0	53.9	80.9





#31

Cyclohexane

Concen: 46.44 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Instrument :

MSVOA_W

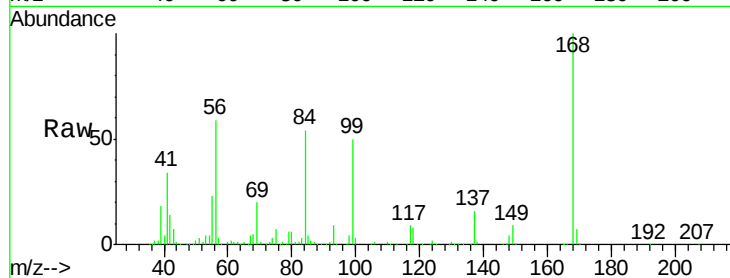
ClientSampleId :

ICVW051518

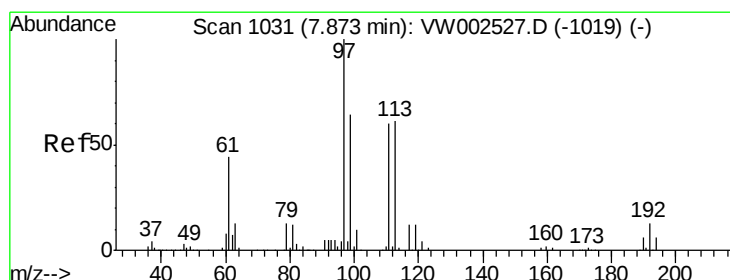
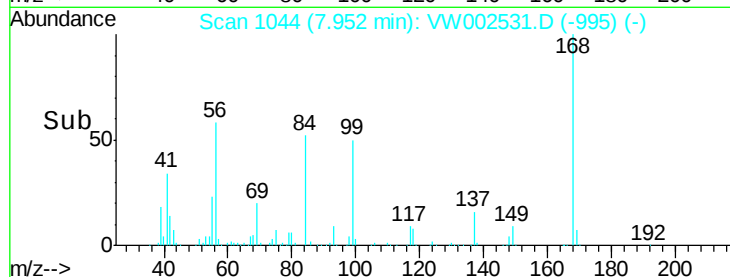
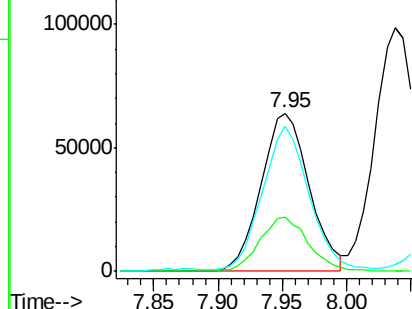
Tot Ion:	56	Resp:	166016
Ion Ratio	Lower	Upper	
56	100		
69	34.0	27.0	40.4
84	90.4	72.2	108.2

Manual Integrations
APPROVED

apatel
5/15/2018 6:12:10 PM



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 50.36 ug/l

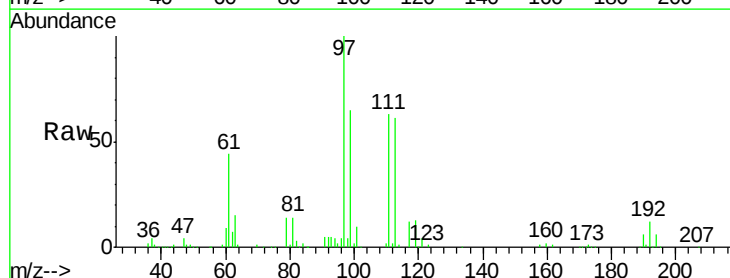
RT: 7.87 min Scan# 1031

Delta R.T. 0.00 min

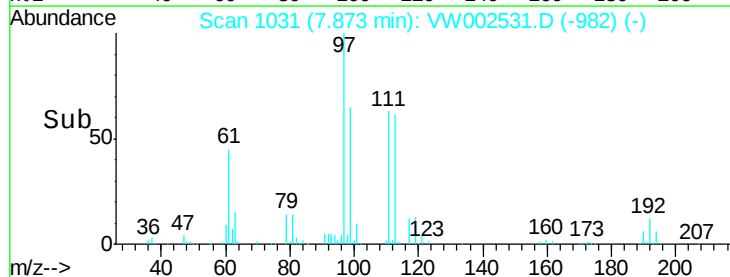
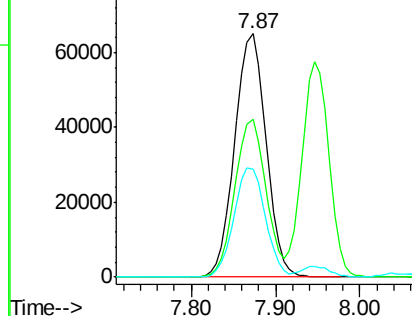
Lab File: VW002531.D

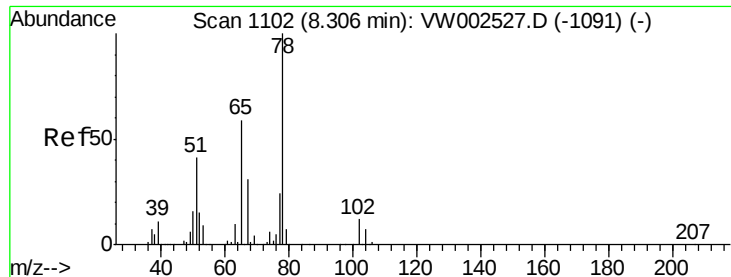
Acq: 15 May 2018 00:11

Tgt Ion:	97	Resp:	163680
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.1	76.7
61	44.8	35.9	53.9



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 53.77 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Instrument :

MSVOA_W

ClientSampleId :

ICVW051518

Tot Ion: 65 Resp: 135322

Ion Ratio Lower Upper

65 100

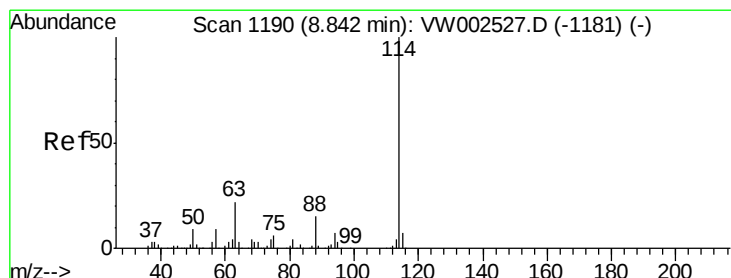
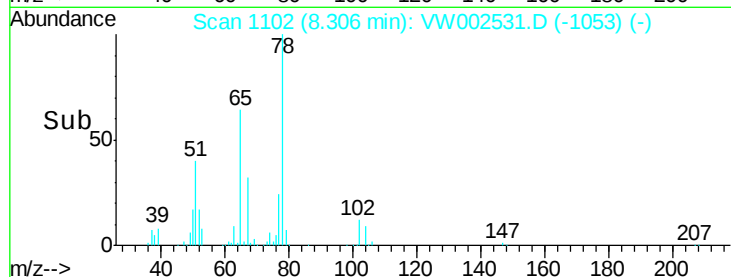
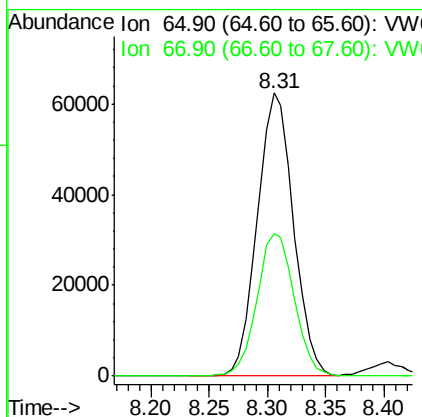
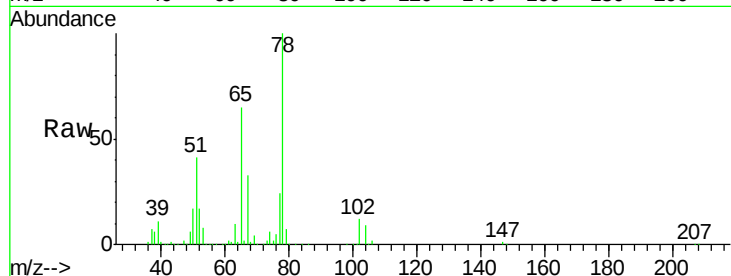
67 52.0 0.0 104.4

Manual Integrations

APPROVED

apatel

5/15/2018 6:12:10 PM



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.84 min Scan# 1190

Delta R.T. -0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

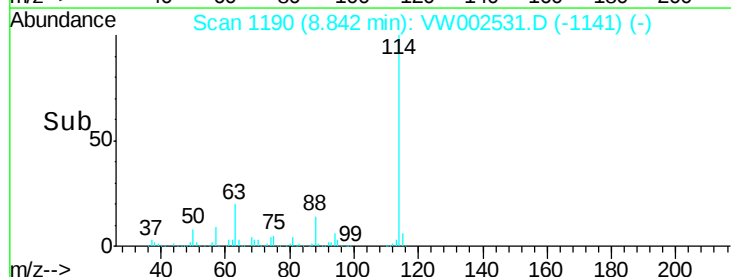
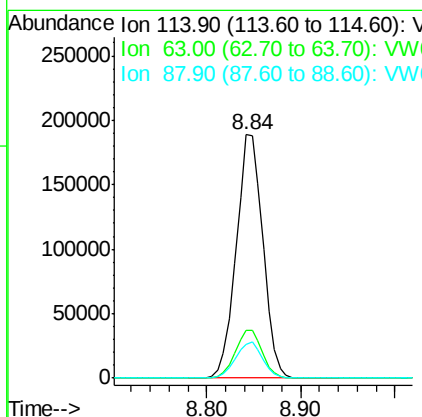
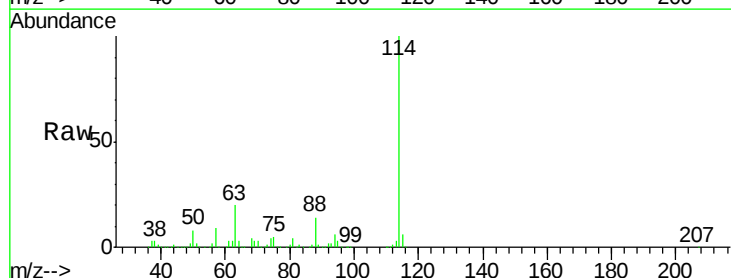
Tgt Ion: 114 Resp: 371038

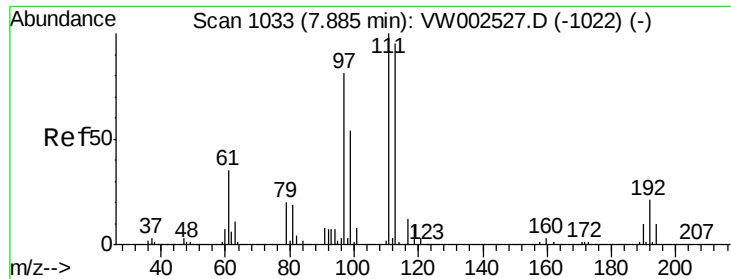
Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

88 13.9 0.0 29.2





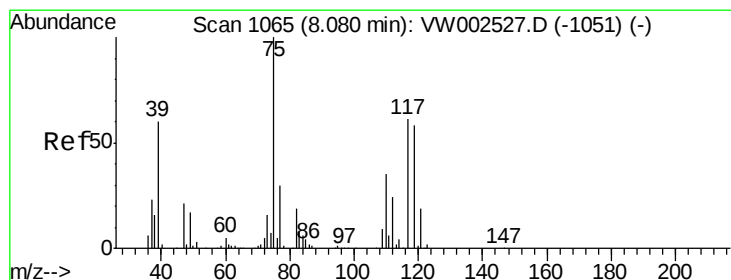
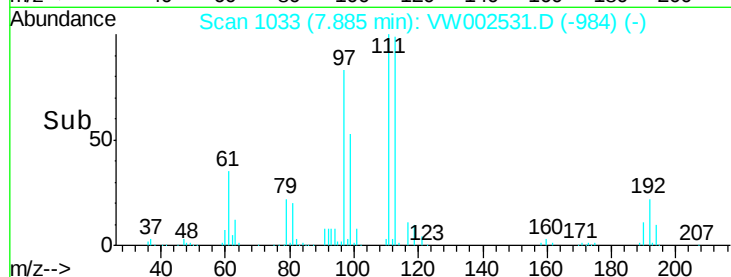
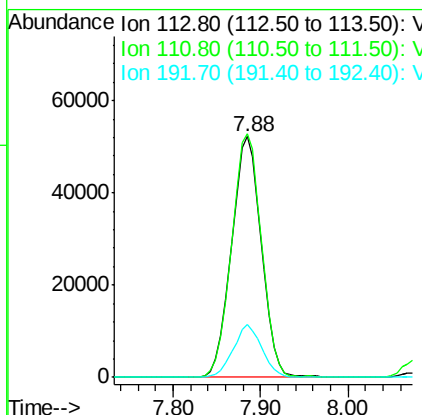
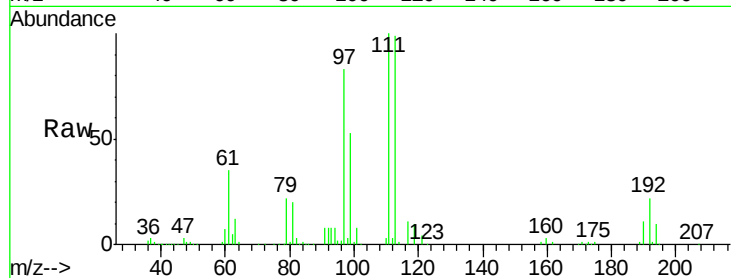
#35
 Dibromofluoromethane
 Concen: 52.42 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002531.D
 Acq: 15 May 2018 00:11

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051518

Tot Ion	Ratio	Resp	Lower	Upper
113	100	123386		
111	101.6	81.8	122.8	
192	21.0	17.5	26.3	

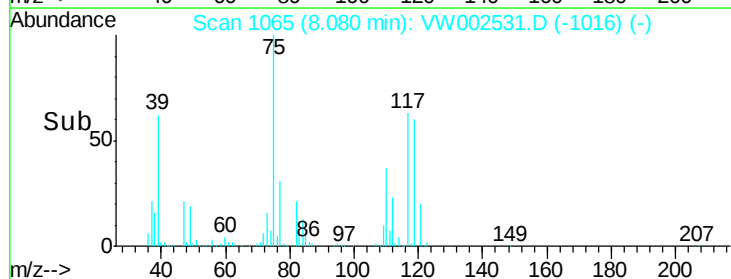
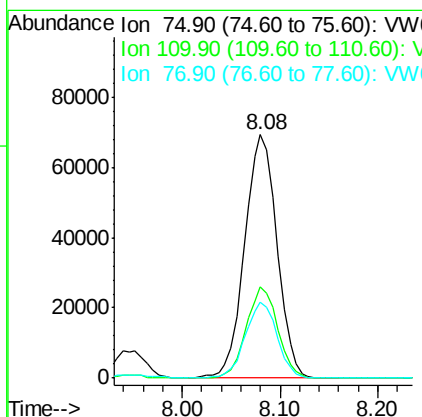
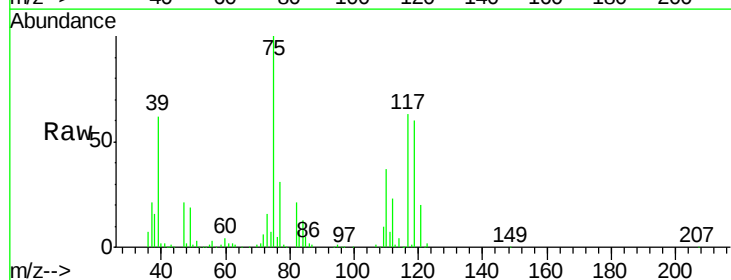
Manual Integrations
 APPROVED

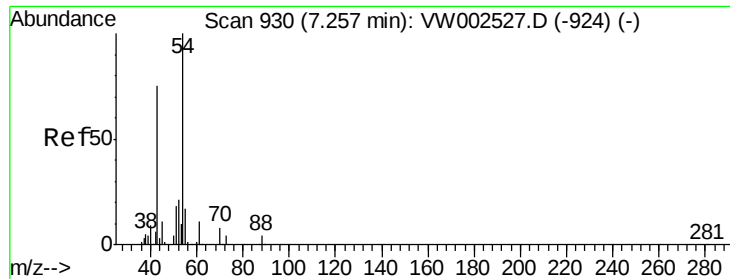
apatel
 5/15/2018 6:12:10 PM



#36
 1,1-Dichloropropene
 Concen: 48.39 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW002531.D
 Acq: 15 May 2018 00:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	158436		
110	36.3	17.8	53.5	
77	31.0	24.5	36.7	





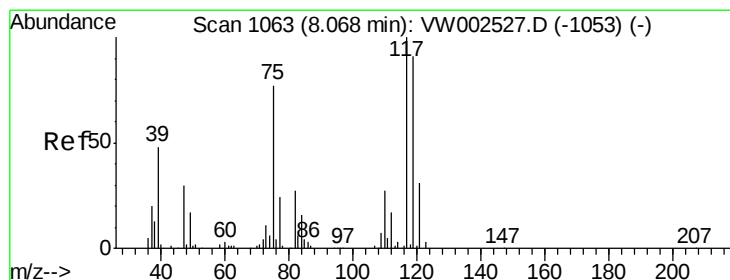
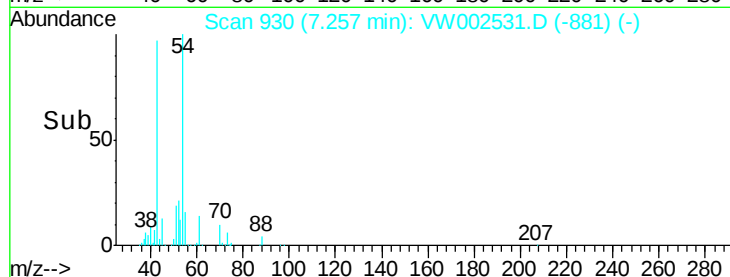
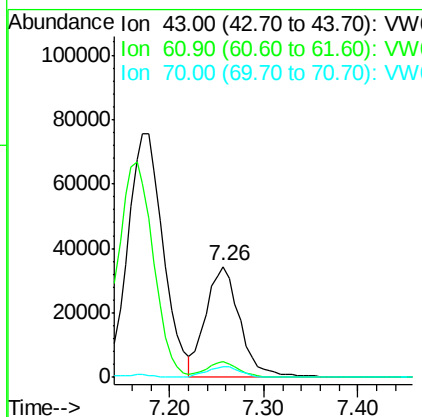
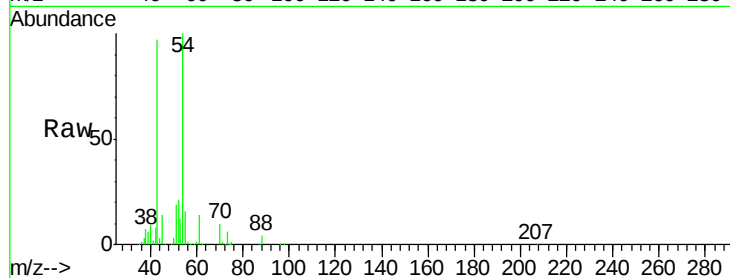
#37
Ethyl Acetate
Concen: 52.93 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Instrument :
MSVOA_W
ClientSampleId :
ICVW051518

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.1	16.7
70	9.8	7.8	11.8

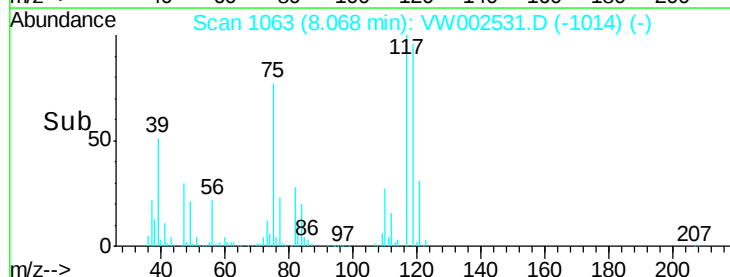
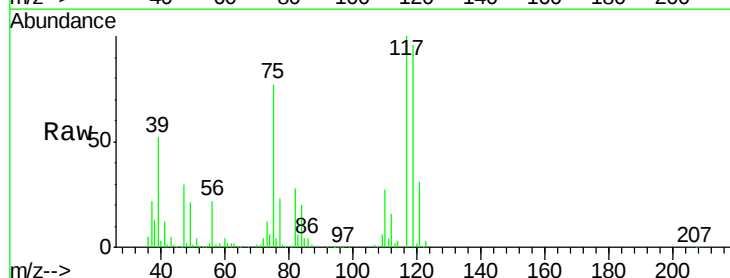
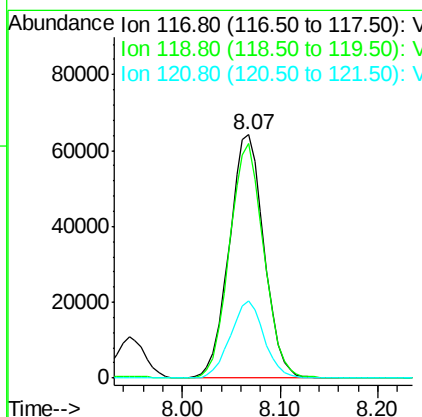
Manual Integrations
APPROVED

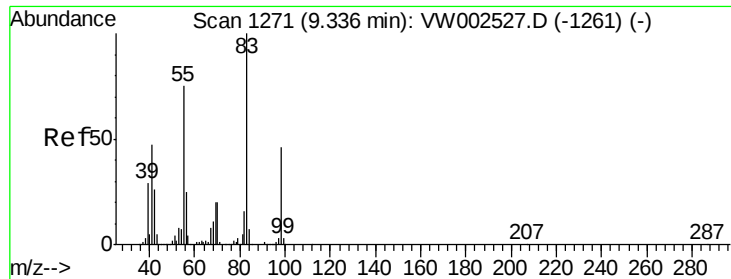
apatel
5/15/2018 6:12:10 PM



#38
Carbon Tetrachloride
Concen: 49.33 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	73.1	109.7
121	31.5	24.4	36.6





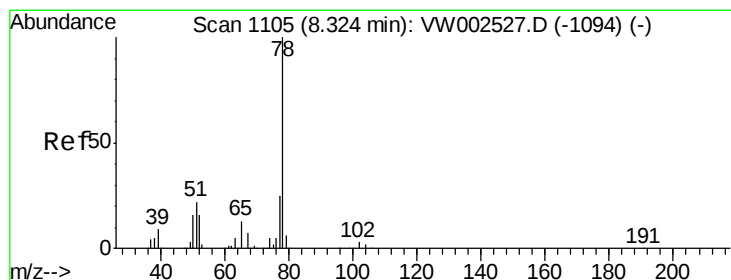
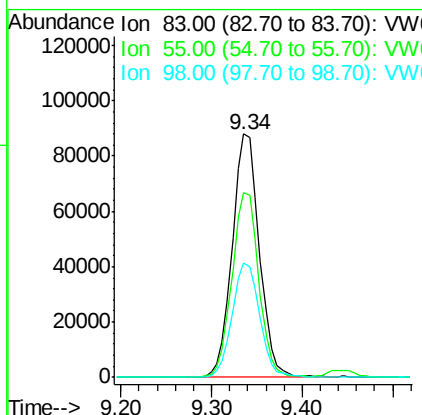
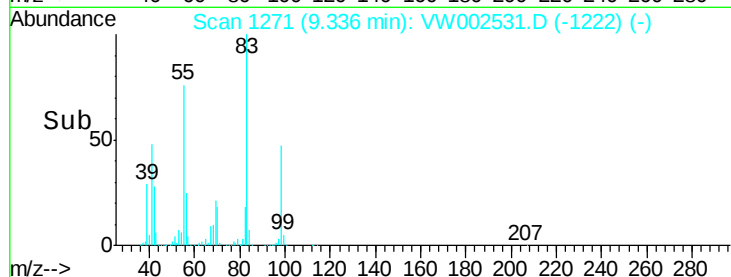
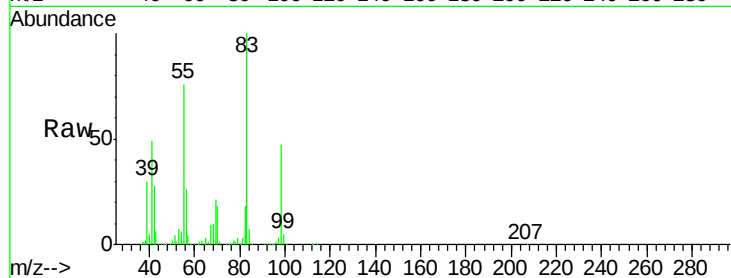
#39
Methvlcvclohexane
Concen: 48.80 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Instrument :
MSVOA_W
ClientSampleId :
ICVW051518

Tot Ion	Ratio	Resp	Lower	Upper
83	100	183029		
55	75.9		60.0	90.0
98	46.9		37.0	55.4

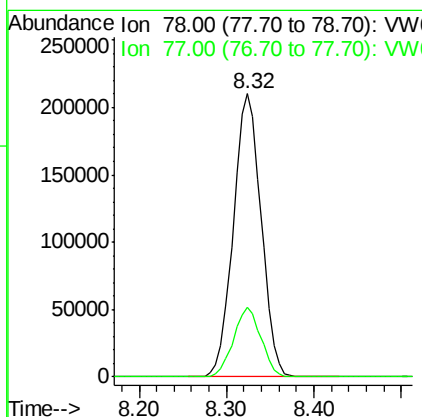
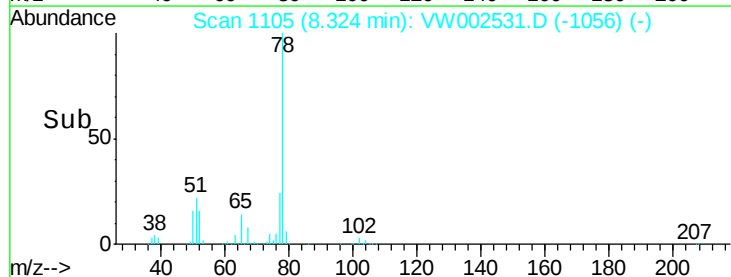
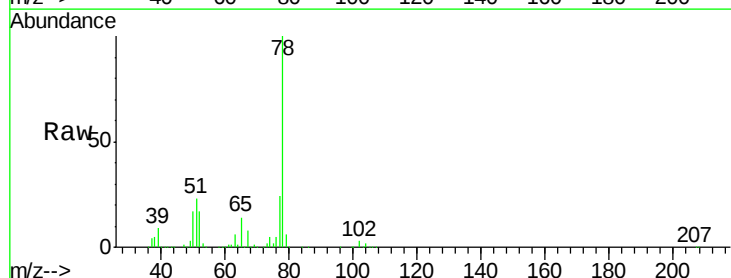
Manual Integrations
APPROVED

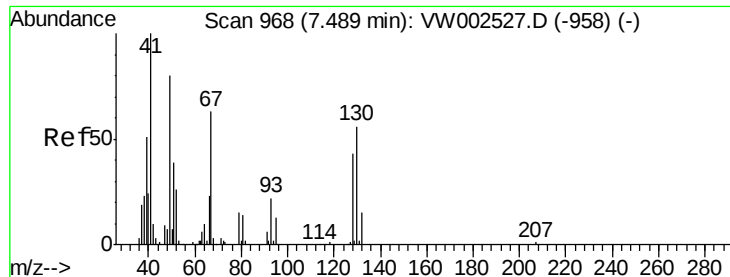
apatel
5/15/2018 6:12:10 PM



#40
Benzene
Concen: 49.33 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	463741		
77	24.5		19.9	29.9





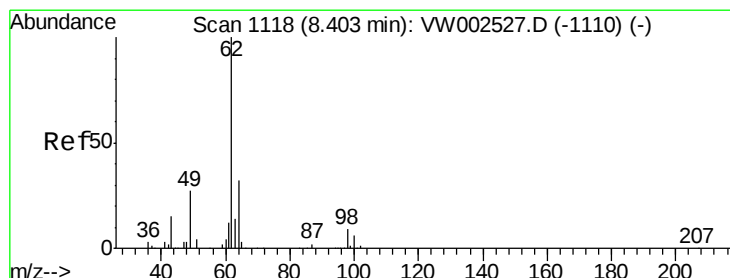
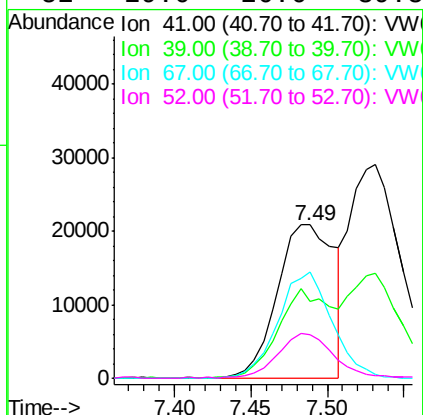
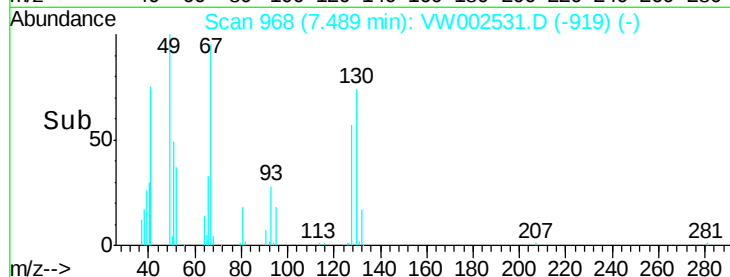
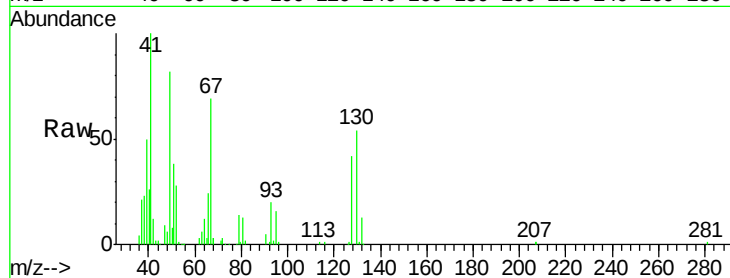
#41
Methacrylonitrile
Concen: 59.59 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Instrument :
MSVOA_W
ClientSampleId :
ICVW051518

Tot Ion:	41	Resp:	54157
Ion	Ratio	Lower	Upper
41	100		
39	55.3	51.8	77.8
67	65.5	59.9	89.9
52	29.0	26.6	39.8

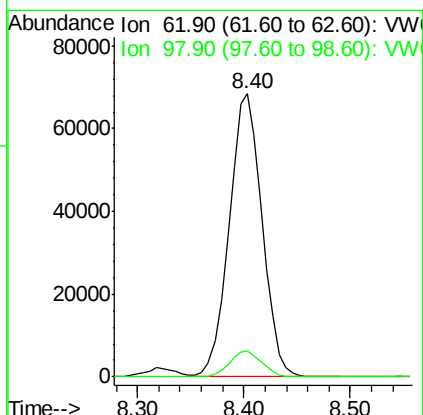
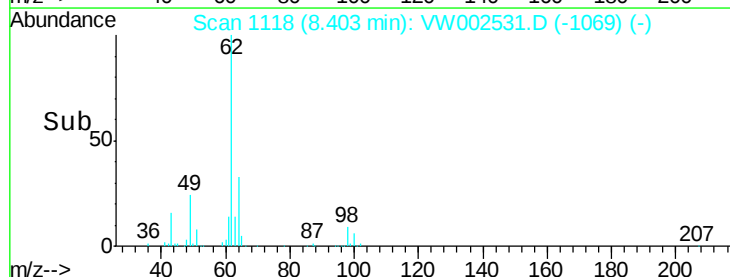
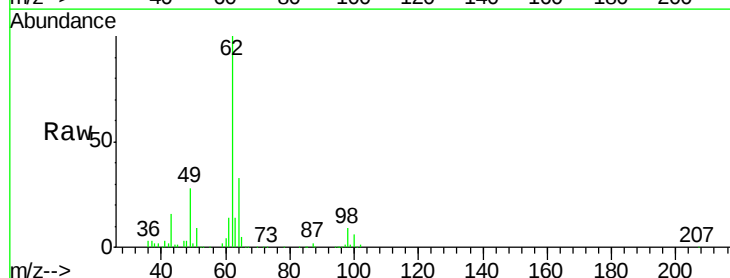
Manual Integrations
APPROVED

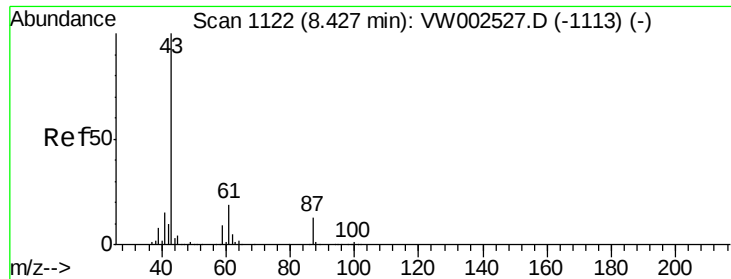
apatel
5/15/2018 6:12:10 PM



#42
1,2-Dichloroethane
Concen: 49.59 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Tgt Ion:	62	Resp:	148053
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.8





#43

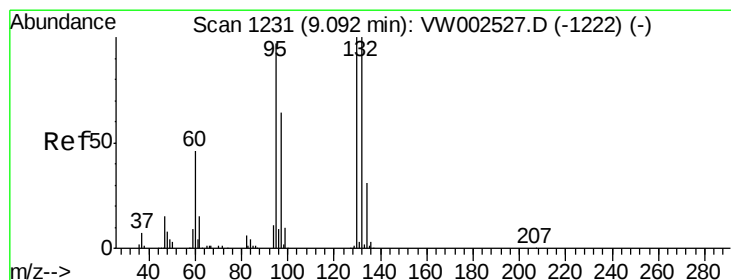
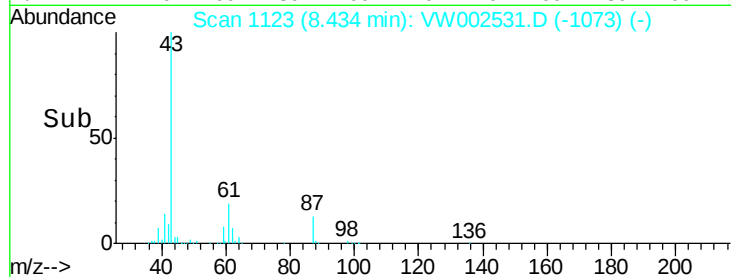
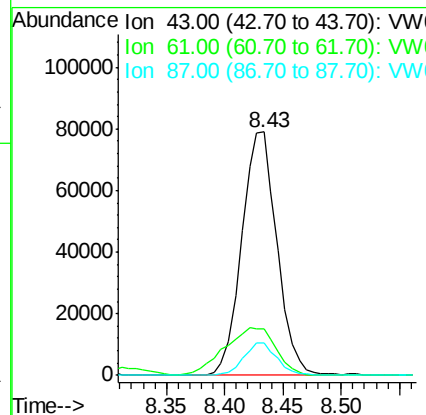
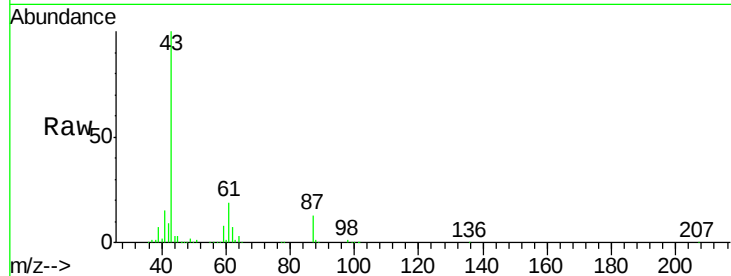
Isopropyl Acetate
 Concen: 53.13 ug/l
 RT: 8.43 min Scan# 1123
 Delta R.T. 0.01 min
 Lab File: VW002531.D
 Acq: 15 May 2018 00:11

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051518

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.1	23.0	34.6
87	12.7	10.6	15.8

Manual Integrations
 APPROVED

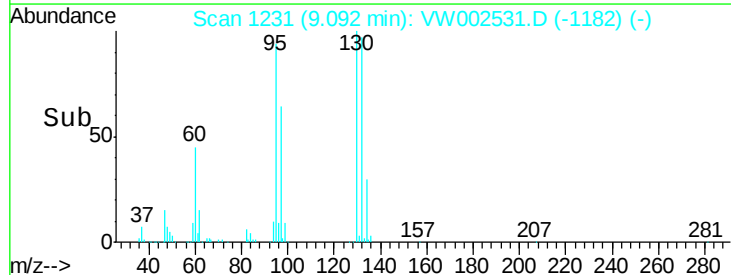
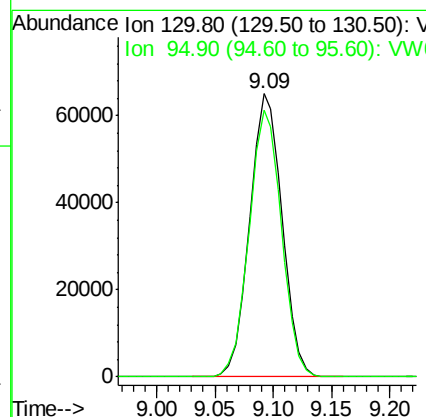
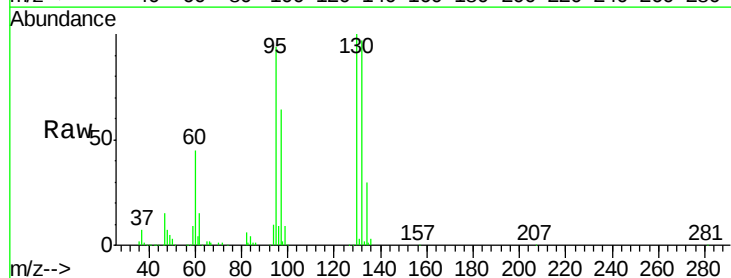
apatel
 5/15/2018 6:12:10 PM

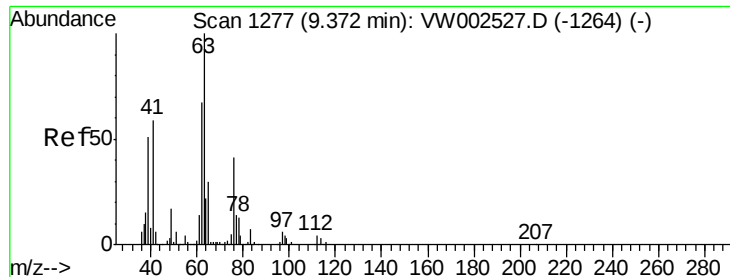


#44

Trichloroethene
 Concen: 49.10 ug/l
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VW002531.D
 Acq: 15 May 2018 00:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	194.6





#45

1,2-Dichloropropane

Concen: 49.86 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Instrument :

MSVOA_W

ClientSampleId :

ICVW051518

Tot Ion: 63 Resp: 119450

Ion Ratio Lower Upper

63 100

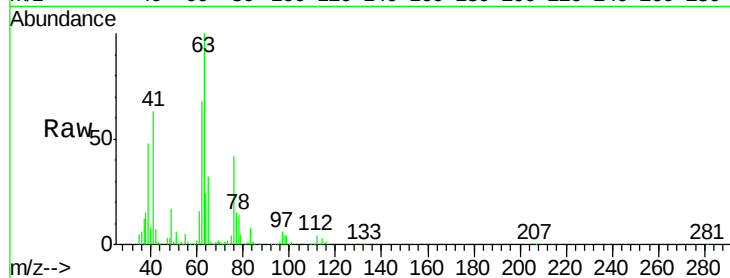
65 32.3 24.4 36.6

Manual Integrations

APPROVED

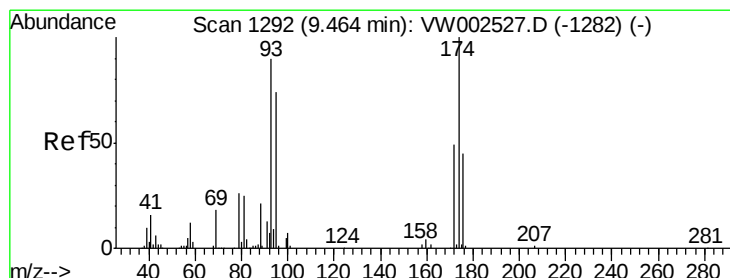
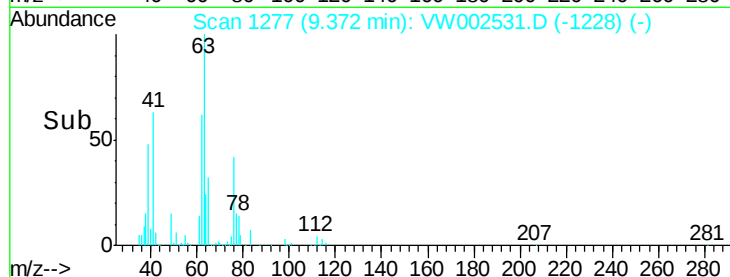
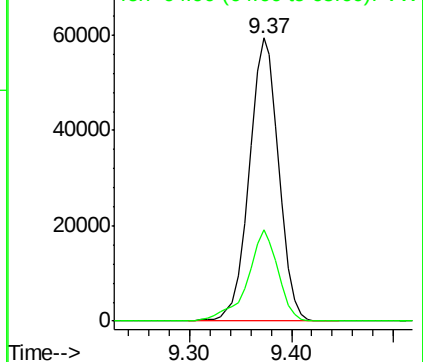
apatel

5/15/2018 6:12:10 PM



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 49.73 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

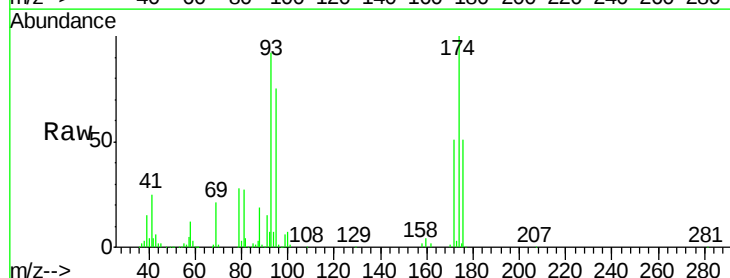
Tgt Ion: 93 Resp: 67795

Ion Ratio Lower Upper

93 100

95 82.7 66.6 100.0

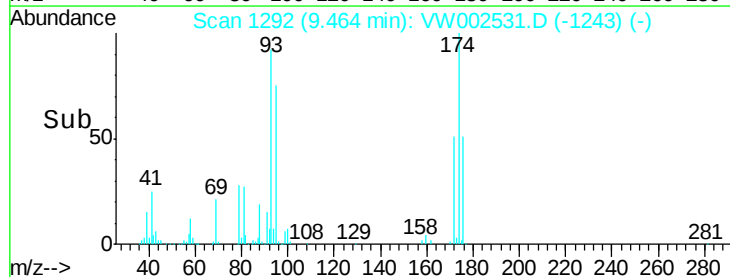
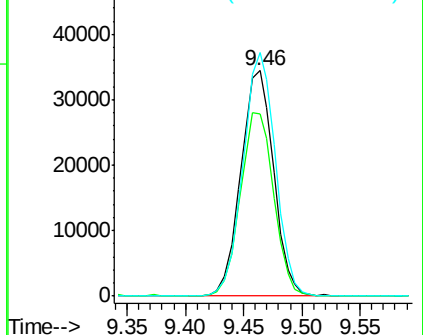
174 106.2 84.0 126.0

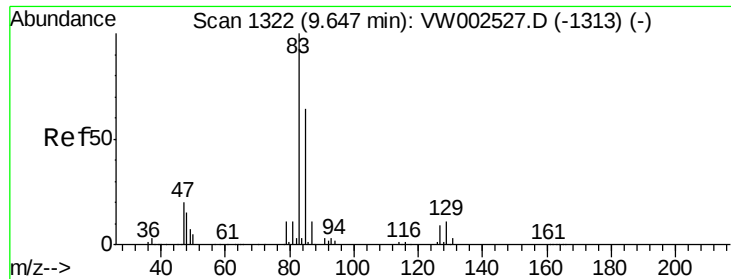


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.92 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Instrument :

MSVOA_W

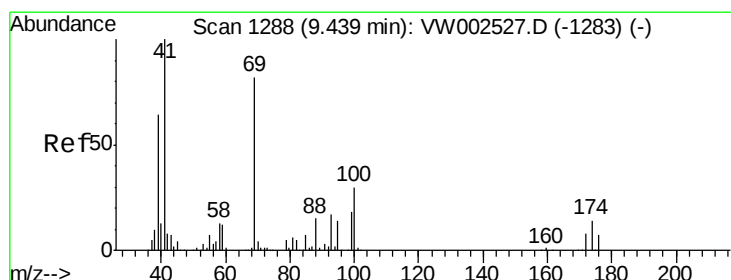
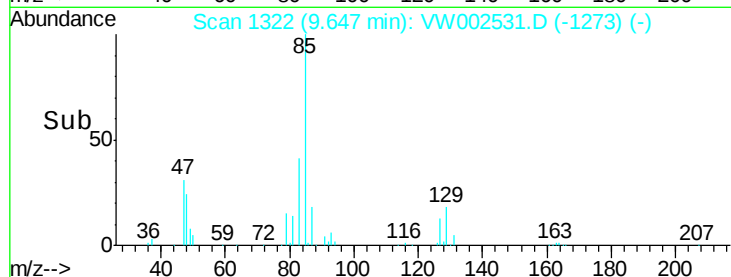
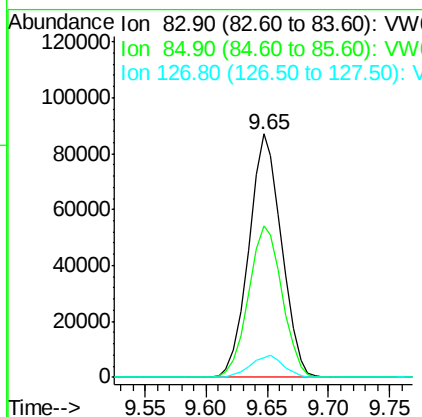
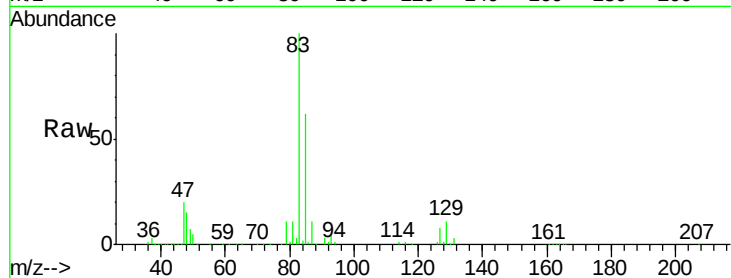
ClientSampleId :

ICVW051518

Tot Ion:	83	Resp:	161900
Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.4	77.2
127	8.1	7.0	10.4

Manual Integrations
APPROVED

apatel
5/15/2018 6:12:10 PM



#48

Methyl methacrylate

Concen: 55.87 ug/l

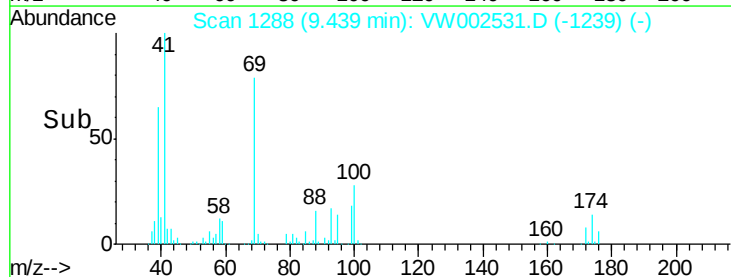
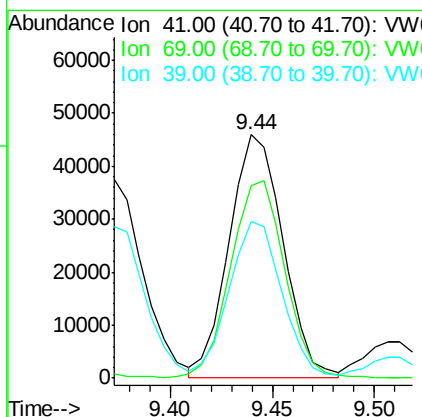
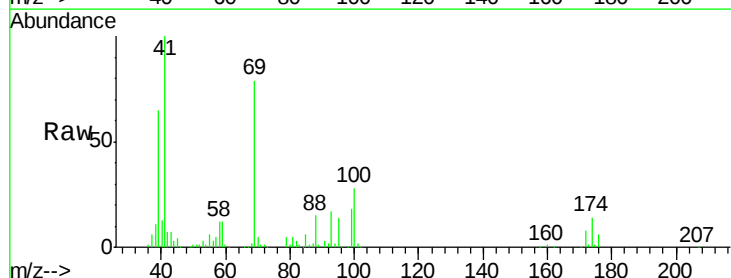
RT: 9.44 min Scan# 1288

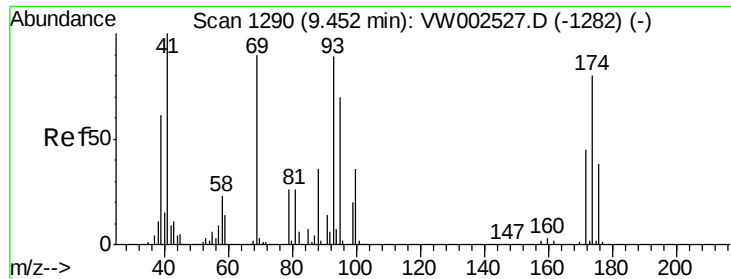
Delta R.T. -0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Tgt Ion:	41	Resp:	84550
Ion	Ratio	Lower	Upper
41	100		
69	81.0	69.7	104.5
39	63.0	55.0	82.4





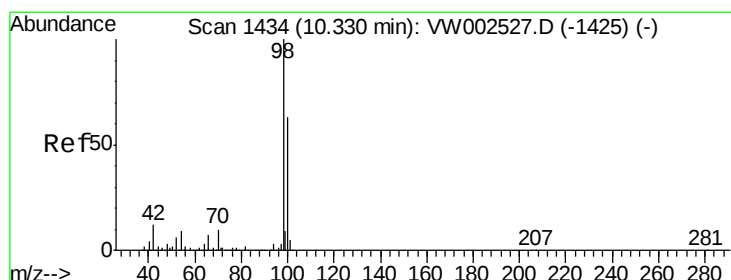
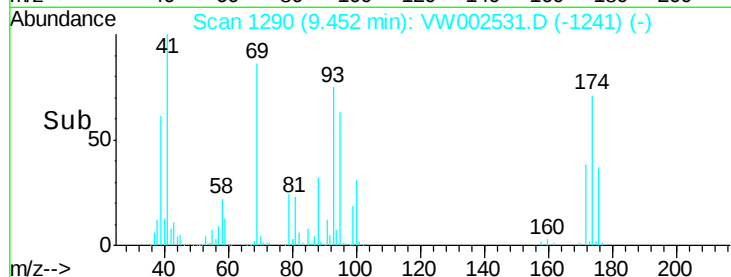
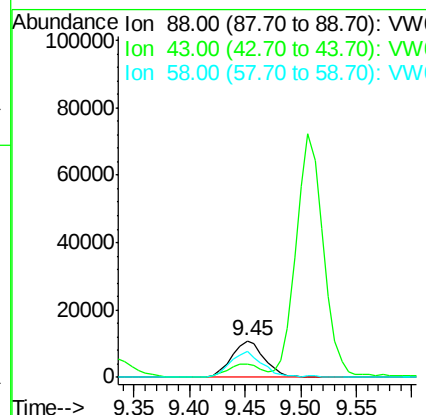
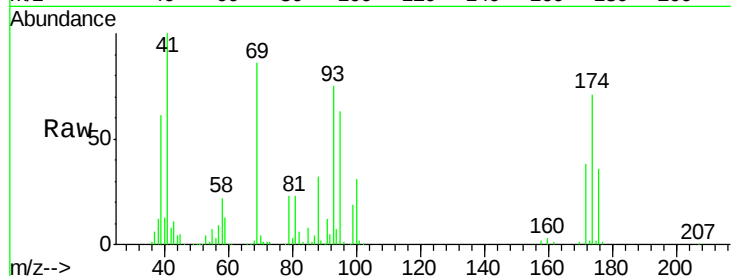
#49
1,4-Dioxane
Concen: 977.22 ug/l
RT: 9.45 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Instrument :
MSVOA_W
ClientSampleId :
ICVW051518

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	27.0	40.4
58	69.3	56.9	85.3

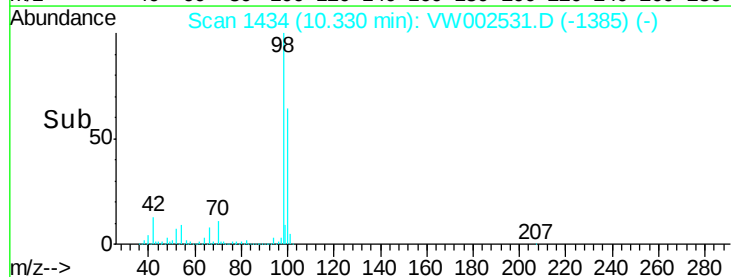
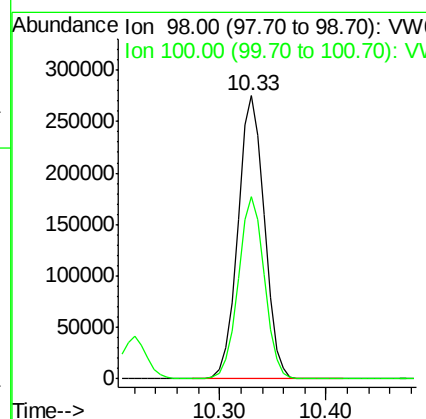
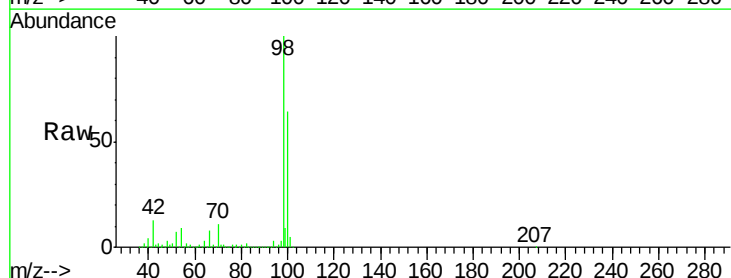
Manual Integrations
APPROVED

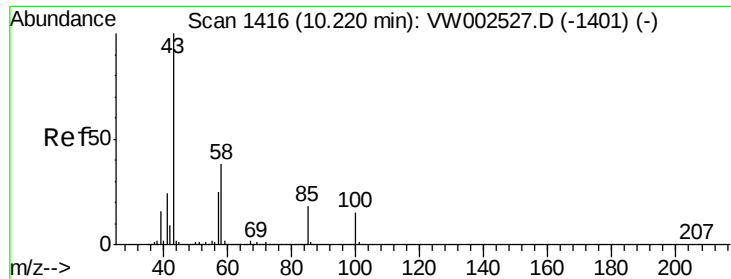
apatel
5/15/2018 6:12:10 PM



#50
Toluene-d8
Concen: 53.44 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.0	76.4





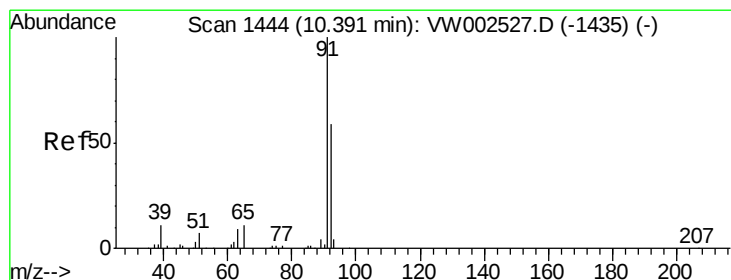
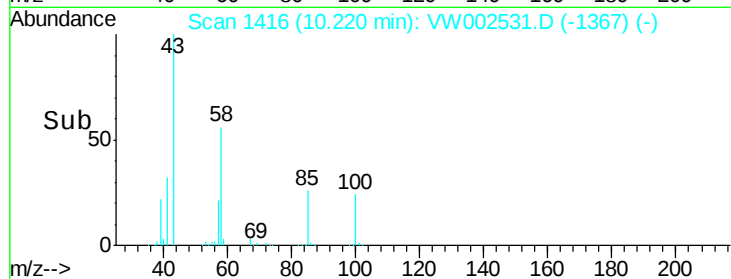
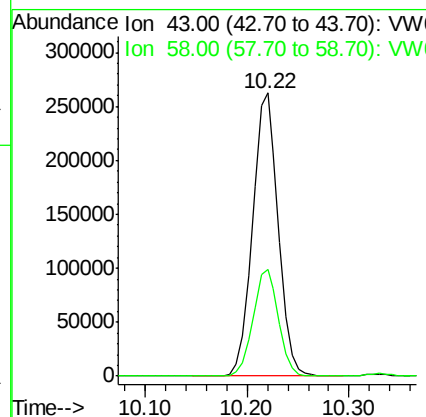
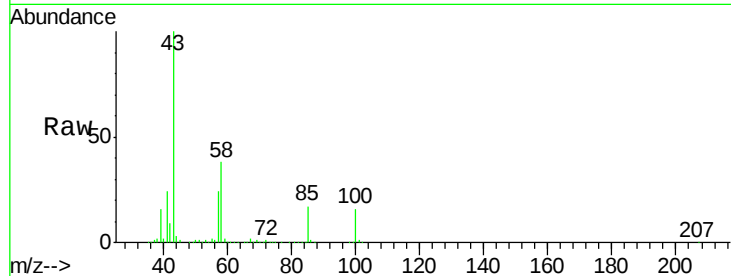
#51
4-Methyl-2-Pentanone
Concen: 267.20 ug/l
RT: 10.22 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Instrument :
MSVOA_W
ClientSampled :
ICVW051518

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.1	45.1

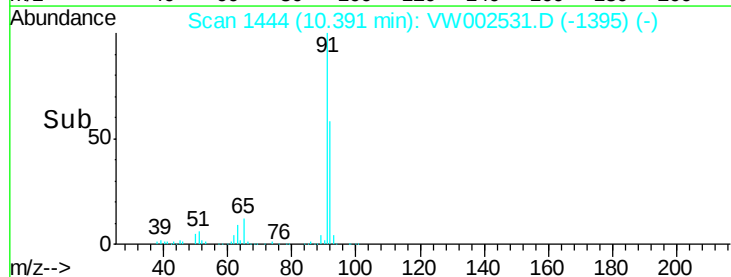
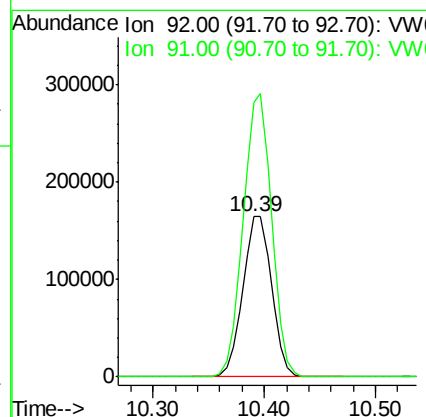
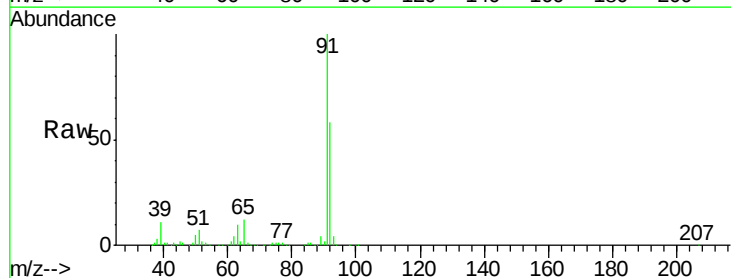
Manual Integrations
APPROVED

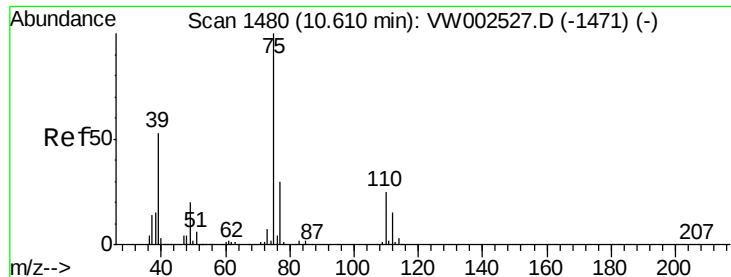
apatel
5/15/2018 6:12:10 PM



#52
Toluene
Concen: 49.55 ug/l
RT: 10.39 min Scan# 1444
Delta R.T. -0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.4	139.1	208.7





#53

t-1,3-Dichloropropene

Concen: 51.03 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Instrument :

MSVOA_W

ClientSampled :

ICVW051518

Tot Ion: 75 Resp: 164048

Ion Ratio Lower Upper

75 100

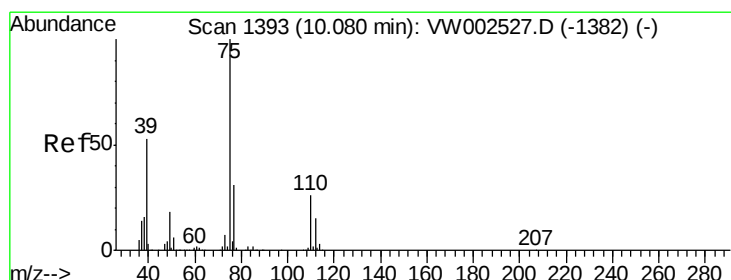
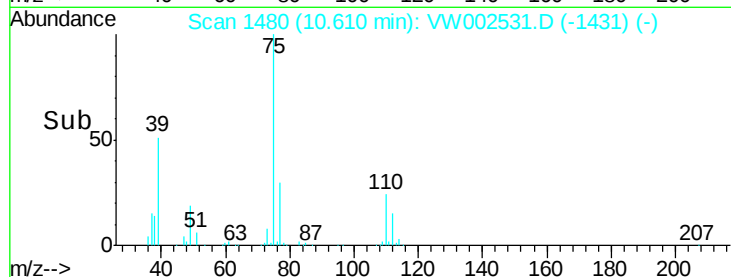
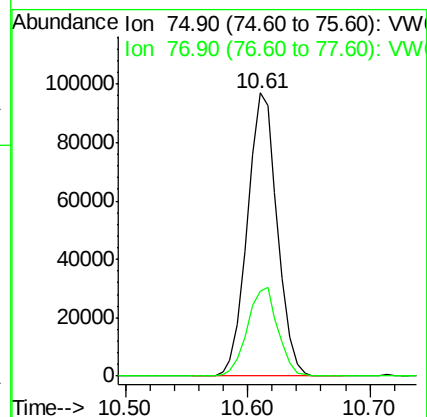
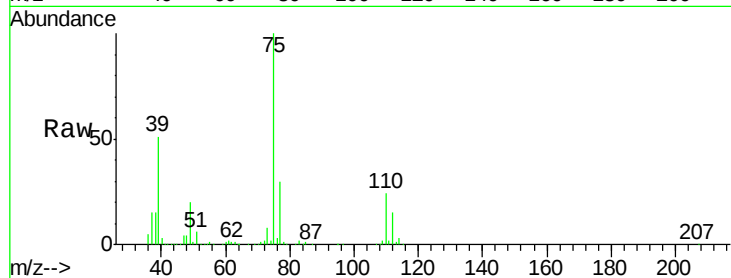
77 30.2 24.1 36.1

Manual Integrations

APPROVED

apatel

5/15/2018 6:12:10 PM



#54

cis-1,3-Dichloropropene

Concen: 50.51 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

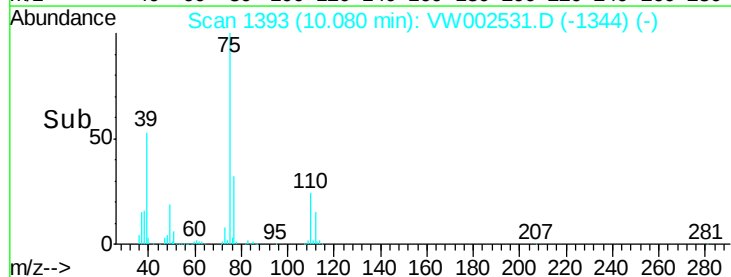
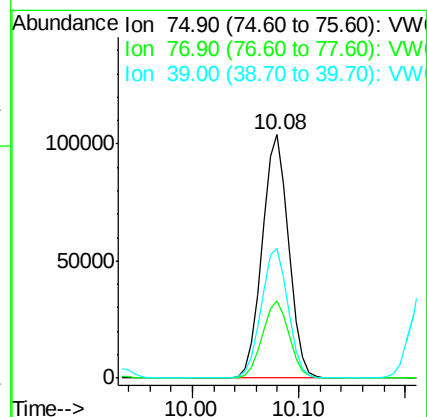
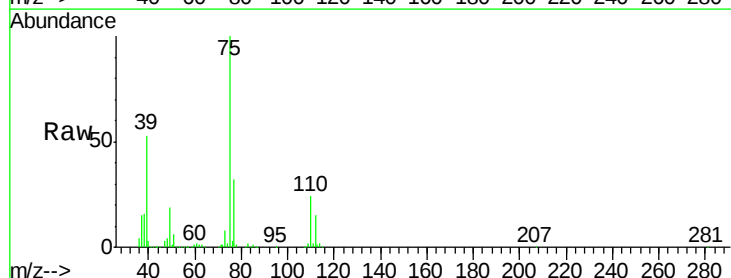
Tgt Ion: 75 Resp: 180988

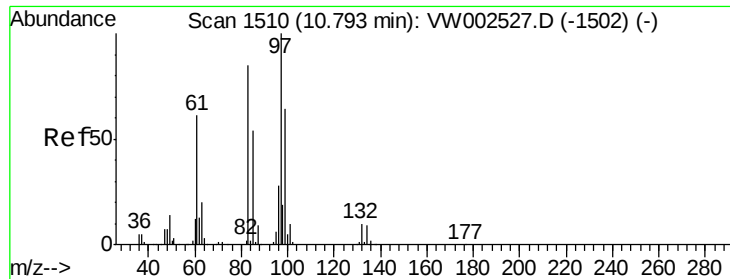
Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.4

39 53.0 42.5 63.7





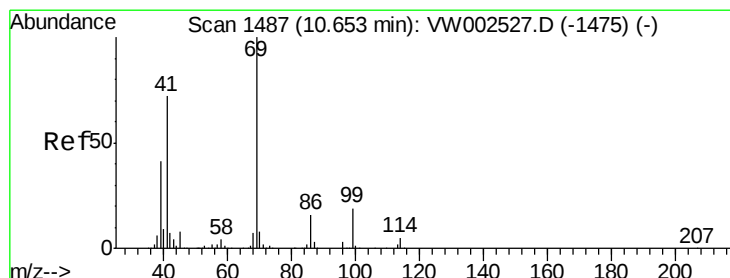
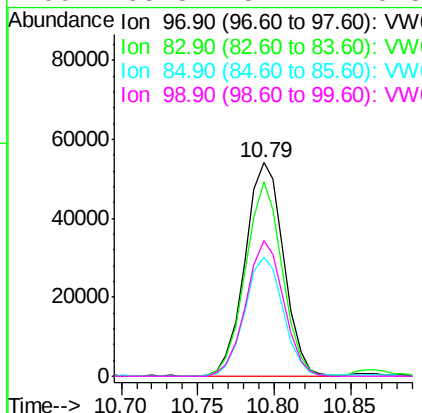
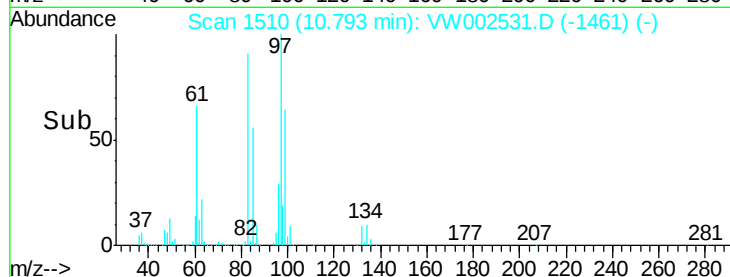
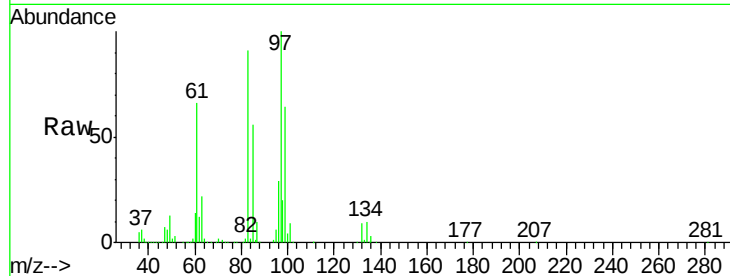
#55
 1,1,2-Trichloroethane
 Concen: 49.47 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW002531.D
 Acq: 15 May 2018 00:11

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051518

Tot Ion:	97	Resp:	95006
Ion	Ratio	Lower	Upper
97	100		
83	91.2	68.1	102.1
85	55.5	43.6	65.4
99	63.8	51.2	76.8

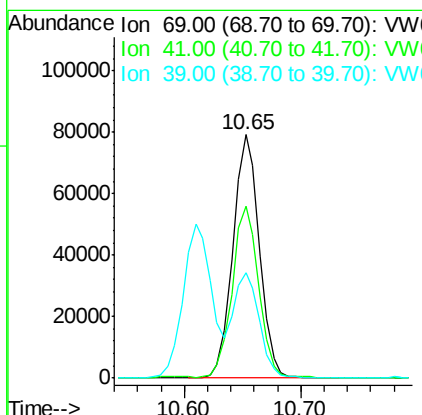
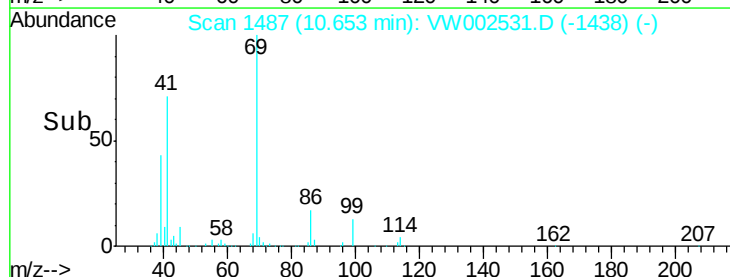
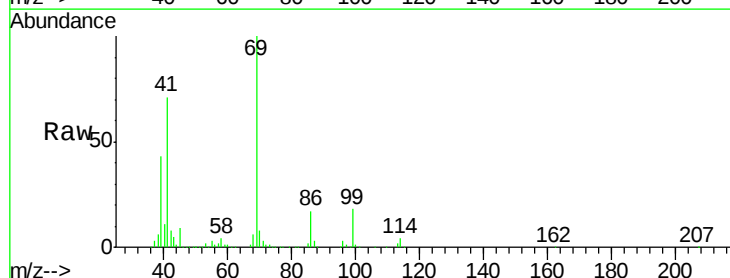
Manual Integrations
 APPROVED

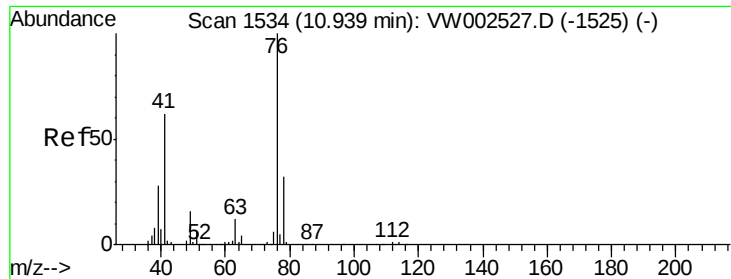
apatel
 5/15/2018 6:12:10 PM



#56
 Ethyl methacrylate
 Concen: 53.61 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW002531.D
 Acq: 15 May 2018 00:11

Tgt Ion:	69	Resp:	125459
Ion	Ratio	Lower	Upper
69	100		
41	70.3	55.3	82.9
39	41.5	33.0	49.6





#57

1,3-Dichloropropane

Concen: 50.70 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Instrument :

MSVOA_W

ClientSampleId :

ICVW051518

Tot Ion: 76 Resp: 161497

Ion Ratio Lower Upper

76 100

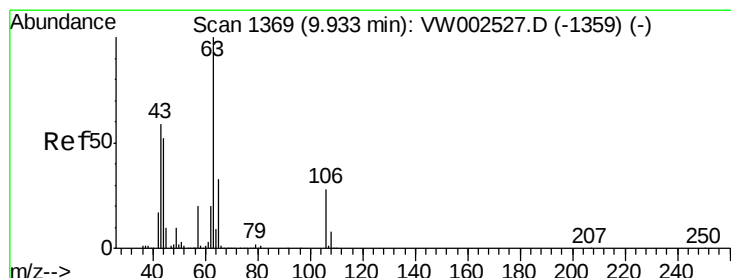
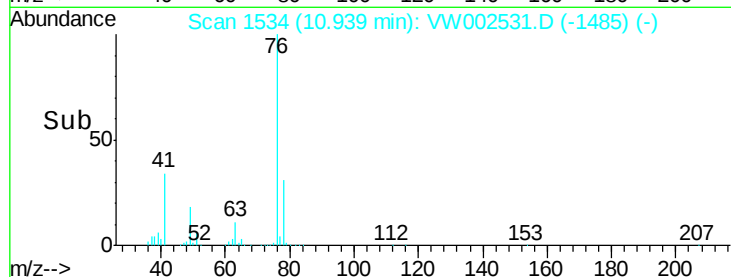
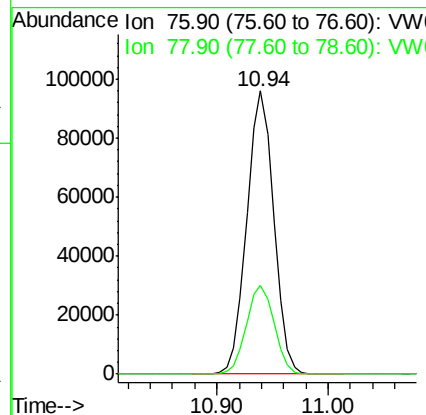
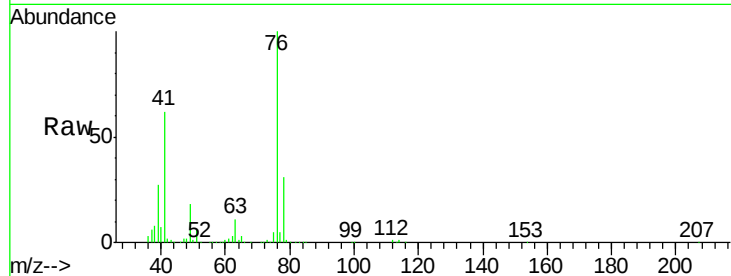
78 32.5 25.6 38.4

Manual Integrations

APPROVED

apatel

5/15/2018 6:12:10 PM



#58

2-Chloroethyl Vinyl ether

Concen: 276.70 ug/l

RT: 9.93 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VW002531.D

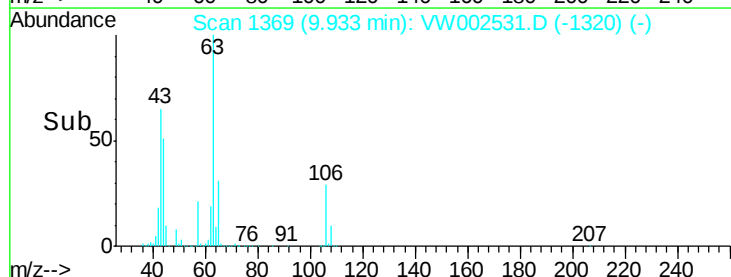
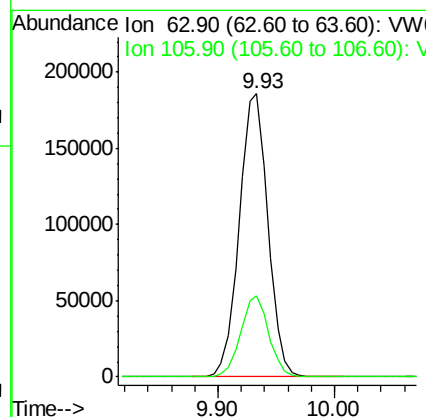
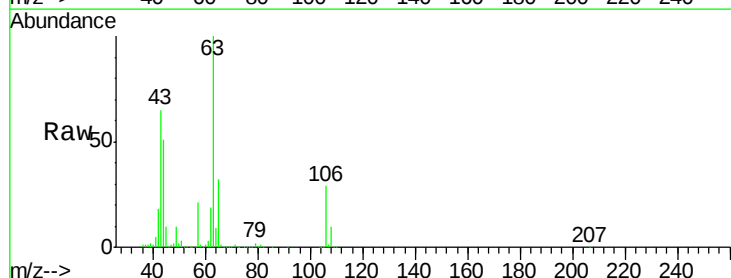
Acq: 15 May 2018 00:11

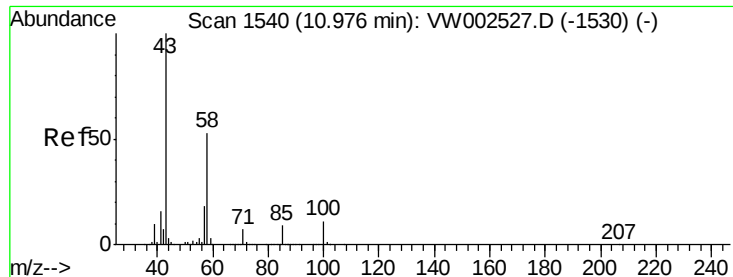
Tgt Ion: 63 Resp: 317916

Ion Ratio Lower Upper

63 100

106 28.2 22.9 34.3





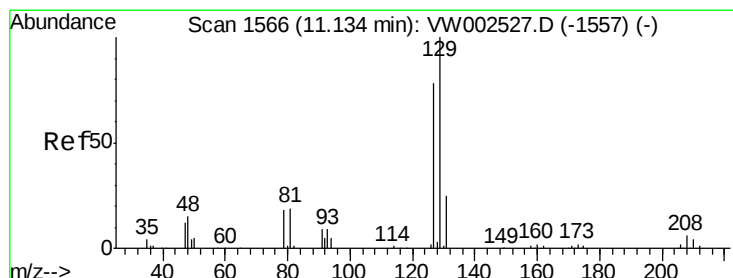
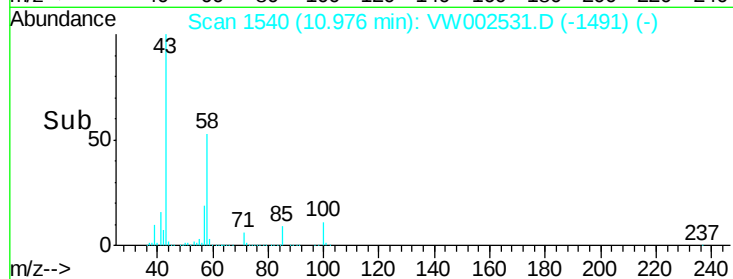
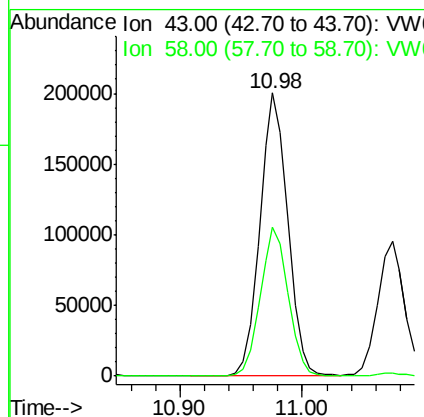
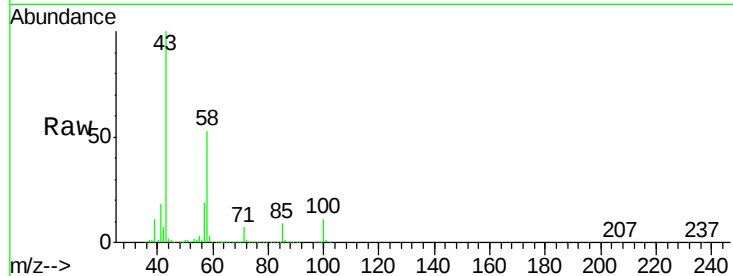
#59
2-Hexanone
Concen: 269.32 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Instrument :
MSVOA_W
ClientSampleId :
ICVW051518

Tot Ion	43	58	Resp	318850
Ion Ratio	100	52.7	Lower	Upper
		26.3		78.8

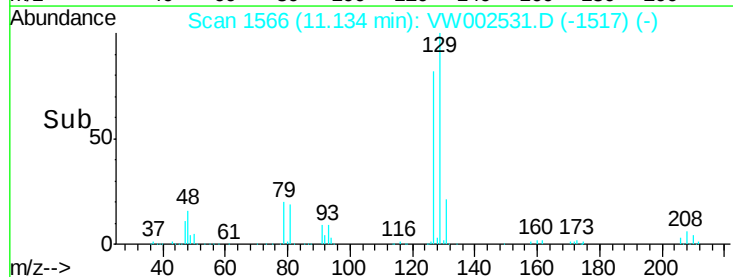
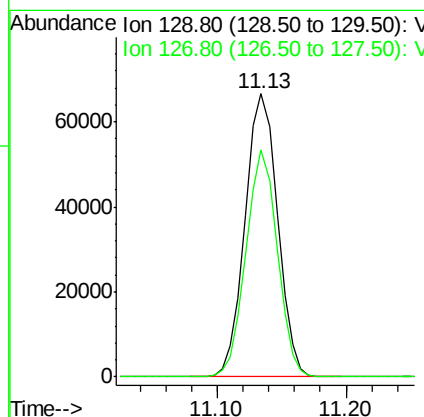
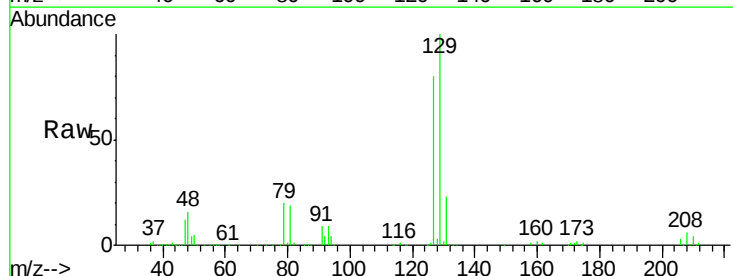
Manual Integrations
APPROVED

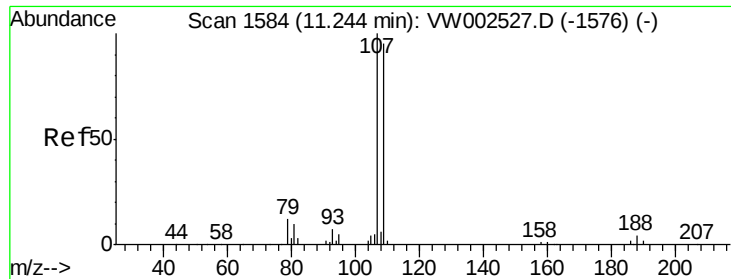
apatel
5/15/2018 6:12:10 PM



#60
Dibromochloromethane
Concen: 51.33 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Tgt Ion	129	127	Resp	116316
Ion Ratio	100	77.2	Lower	Upper
		38.6		115.7





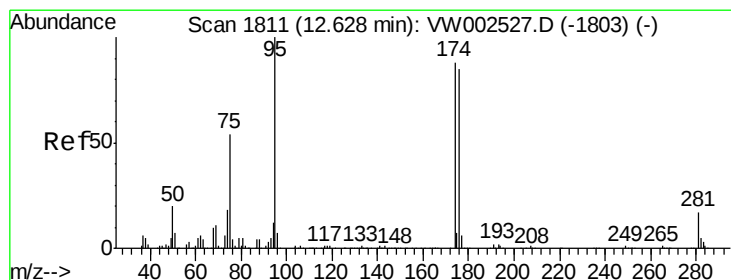
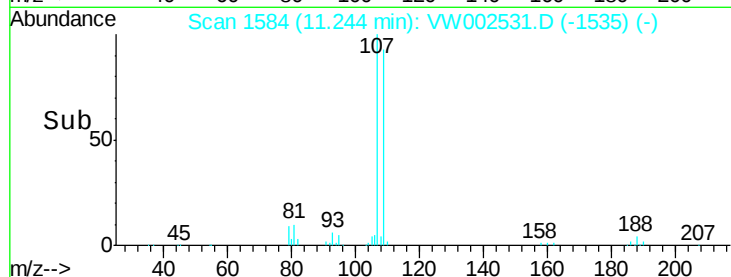
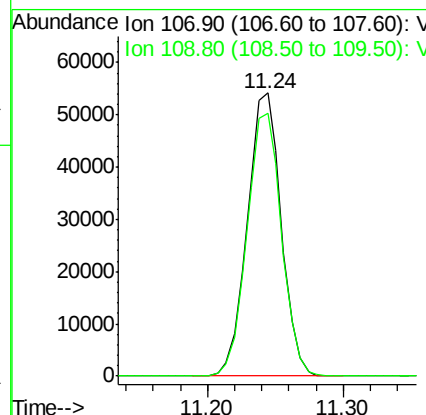
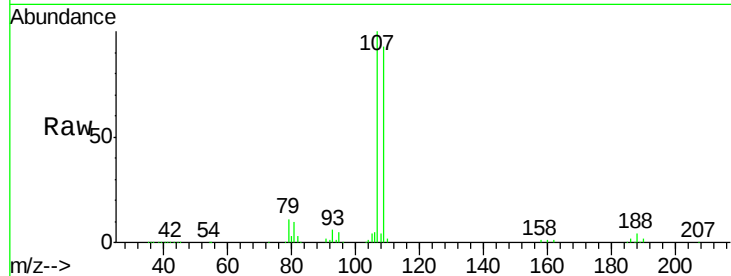
#61
 1,2-Dibromoethane
 Concen: 50.87 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VW002531.D
 Acq: 15 May 2018 00:11

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051518

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.4	113.2

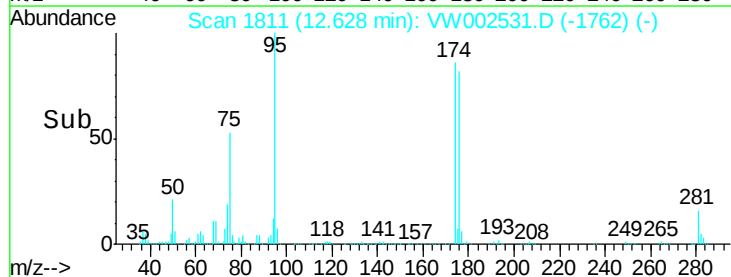
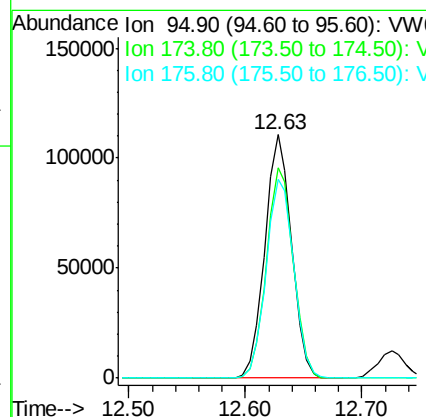
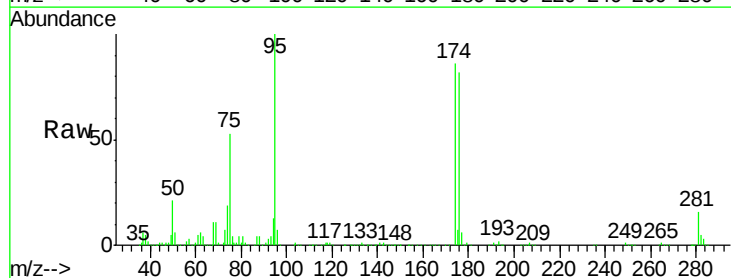
Manual Integrations
 APPROVED

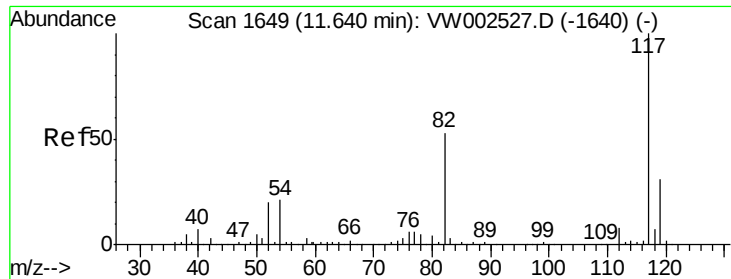
apatel
 5/15/2018 6:12:10 PM



#62
 4-Bromofluorobenzene
 Concen: 53.31 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW002531.D
 Acq: 15 May 2018 00:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.2	0.0	176.6
176	84.5	0.0	172.2





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Instrument :

MSVOA_W

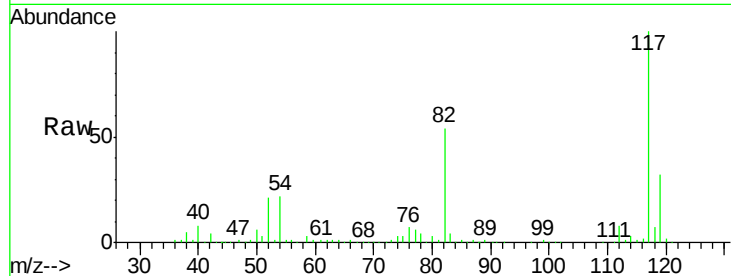
ClientSampleId :

ICVW051518

Tot Ion:	117	Resp:	338771
Ion Ratio	Lower	Upper	
117	100		
82	54.3	42.6	64.0
119	31.9	25.0	37.6

Manual Integrations
APPROVED

apatel
5/15/2018 6:12:10 PM

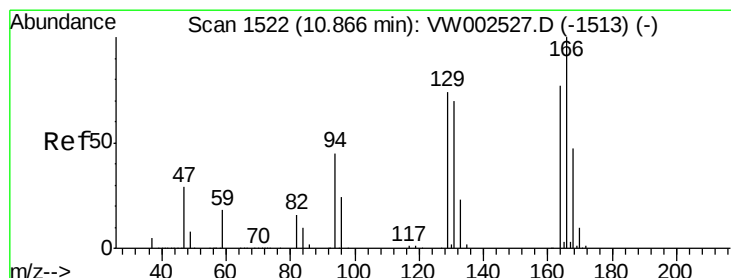
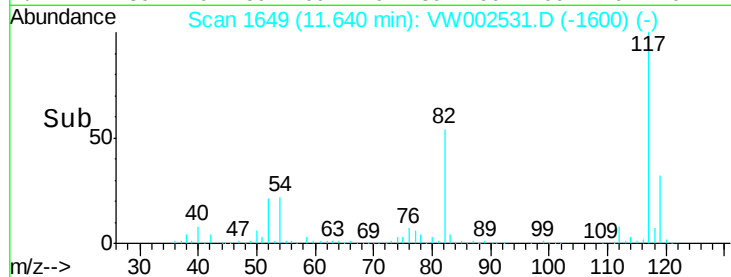
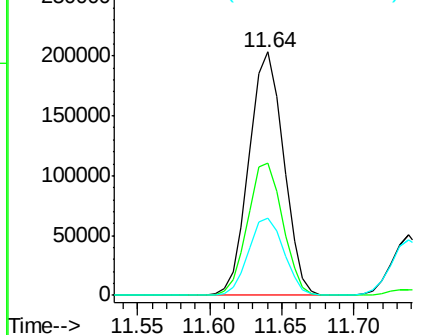


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 51.33 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. 0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Tgt Ion:	164	Resp:	122579
Ion Ratio	Lower	Upper	
164	100		
166	122.7	104.2	156.2
129	92.2	77.0	115.4
131	87.4	73.1	109.7

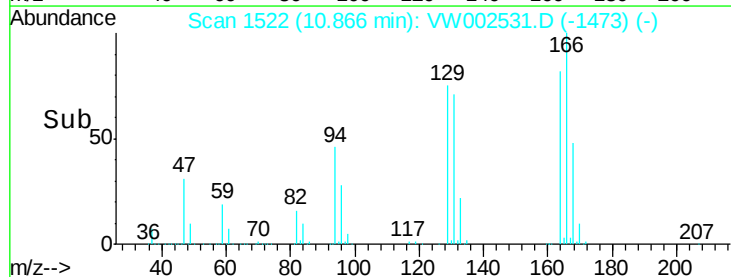
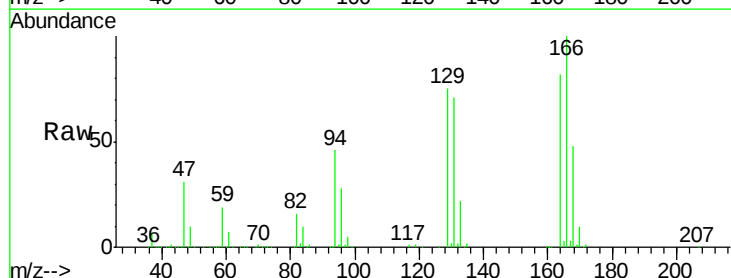
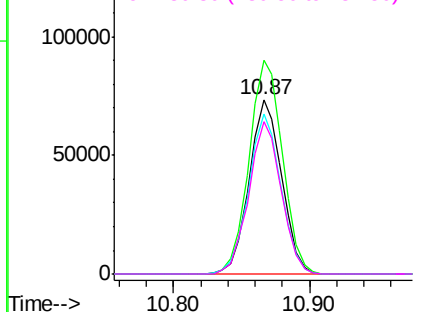
Abundance

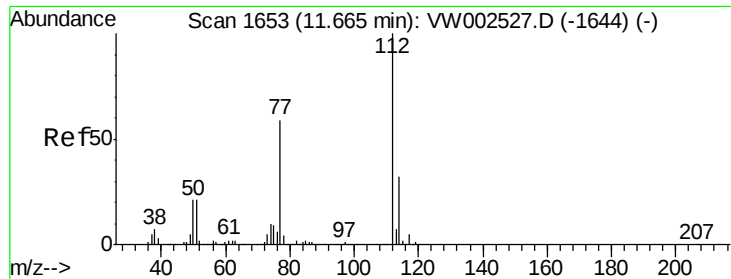
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





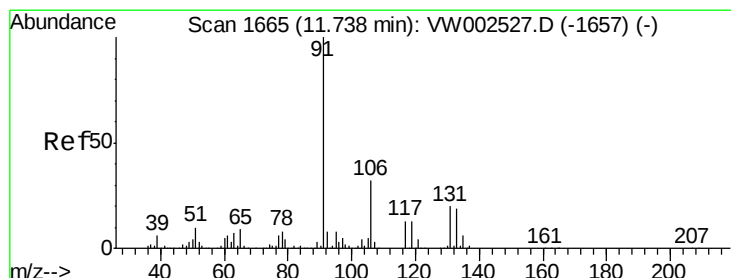
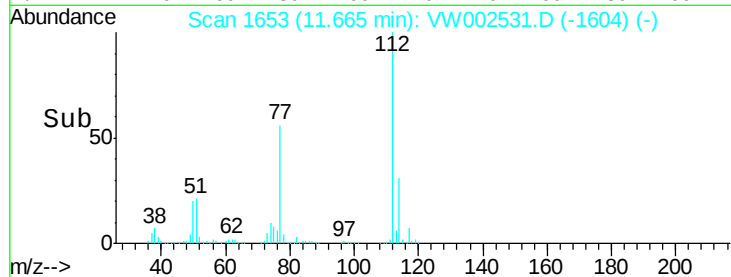
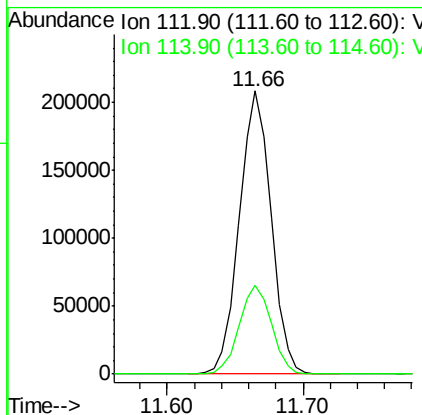
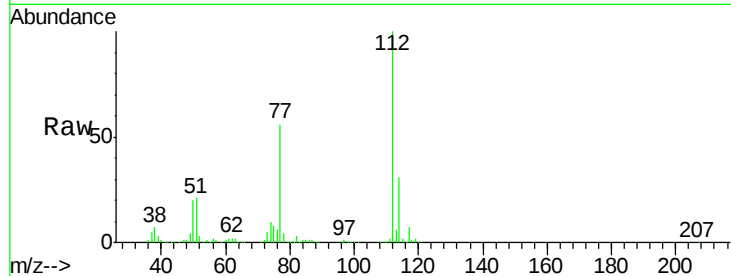
#65
Chlorobenzene
Concen: 50.27 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Instrument :
MSVOA_W
ClientSampleId :
ICVW051518

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.3	37.9

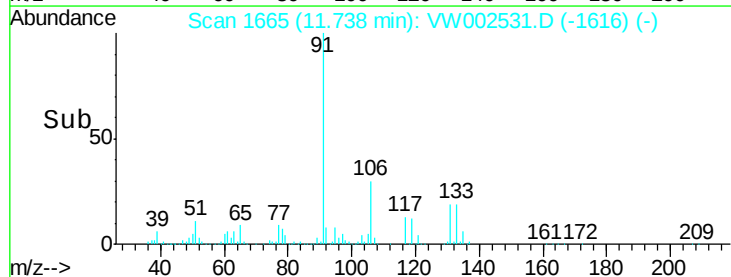
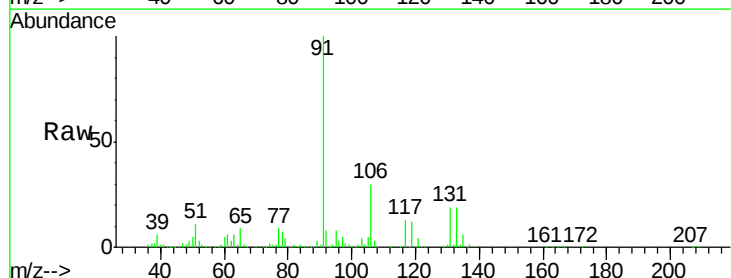
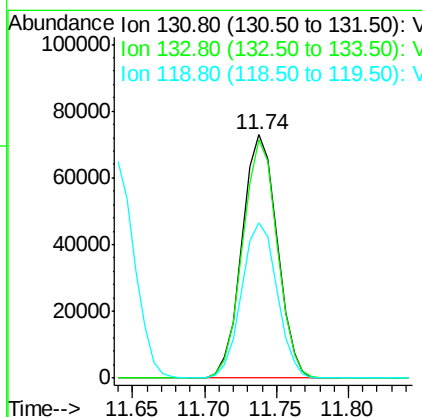
Manual Integrations
APPROVED

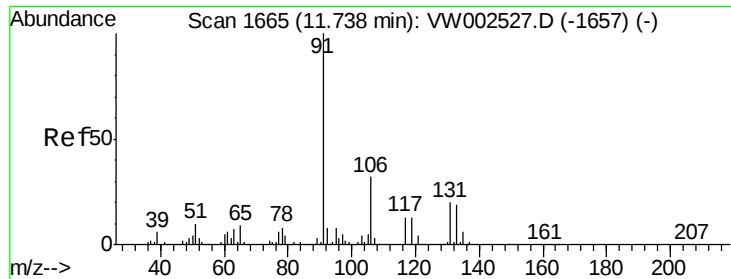
apatel
5/15/2018 6:12:10 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.09 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	48.4	145.3
119	64.3	32.2	96.6





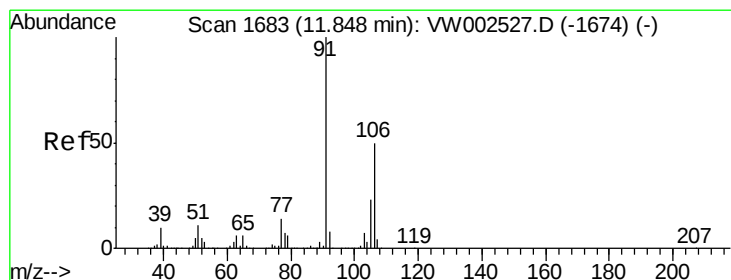
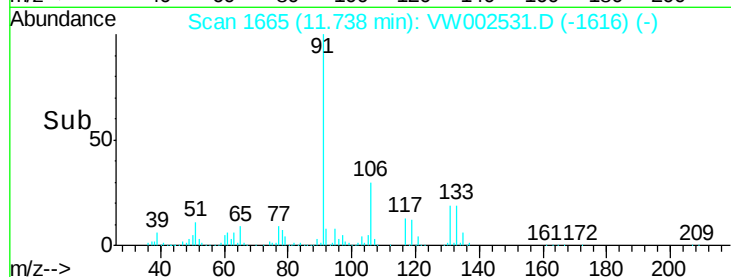
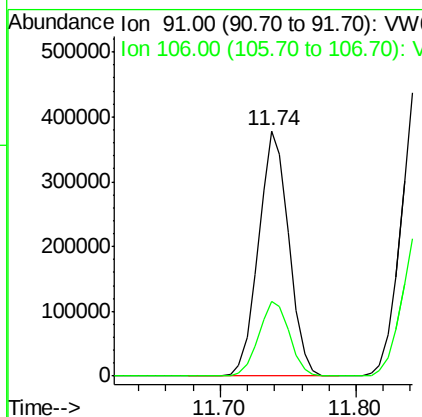
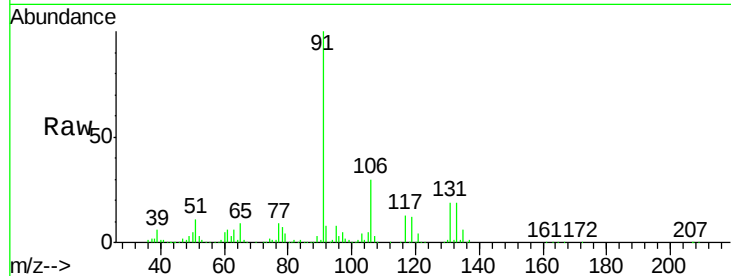
#67
Ethyl Benzene
Concen: 51.57 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Instrument :
MSVOA_W
ClientSampleId :
ICVW051518

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	30.4	25.4	38.0	

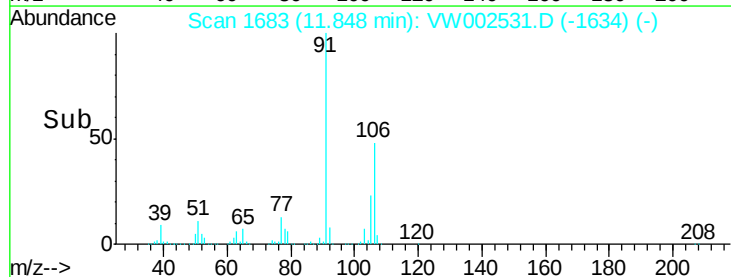
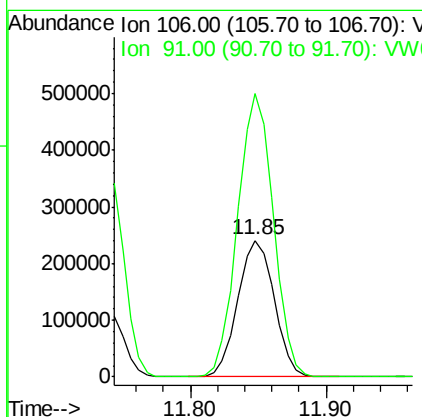
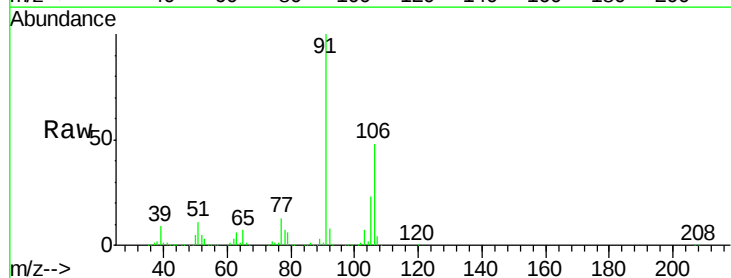
Manual Integrations
APPROVED

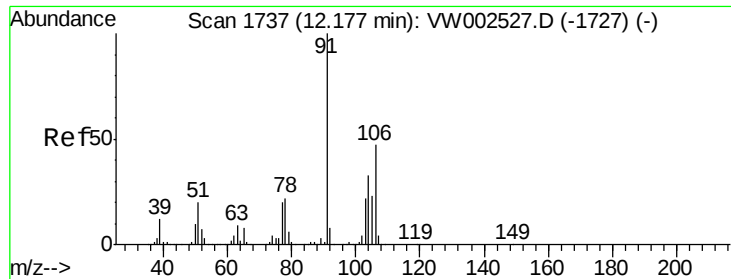
apatel
5/15/2018 6:12:10 PM



#68
m/p-Xylenes
Concen: 101.06 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	203.4	161.4	242.2	





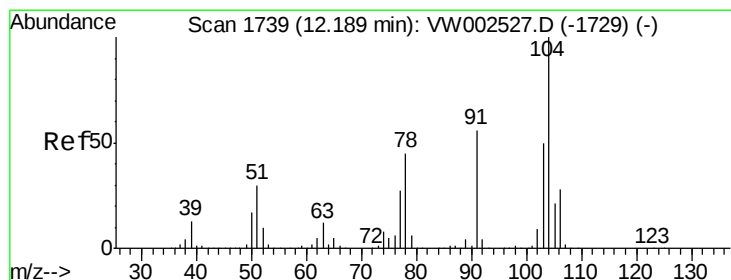
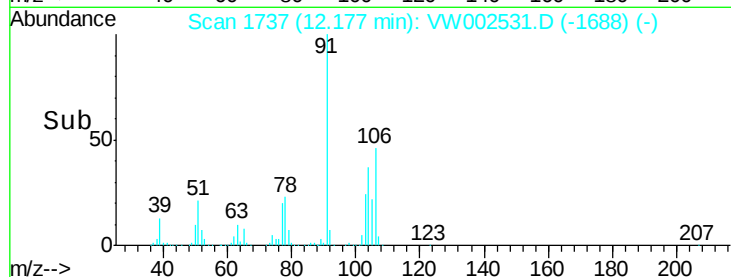
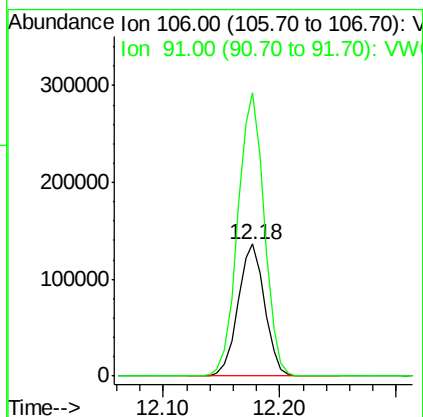
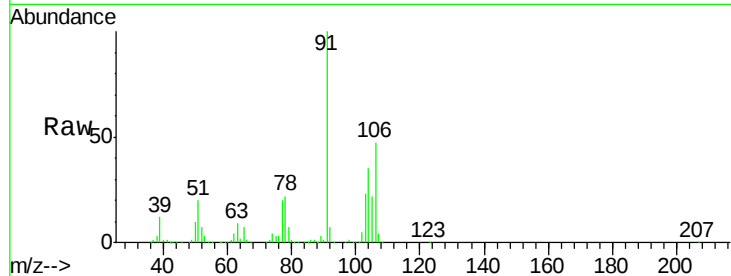
#69
o-Xylene
Concen: 51.15 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Instrument :
MSVOA_W
ClientSampleId :
ICVW051518

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	216680		
91	91	213.6	106.7	320.2	

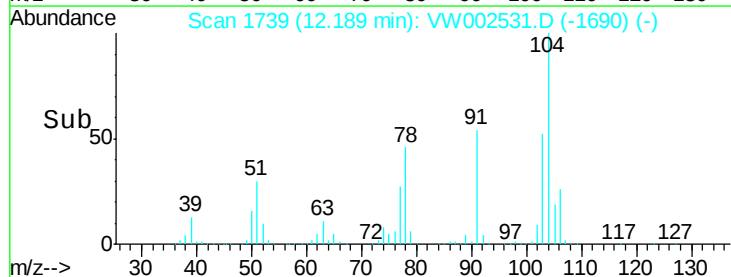
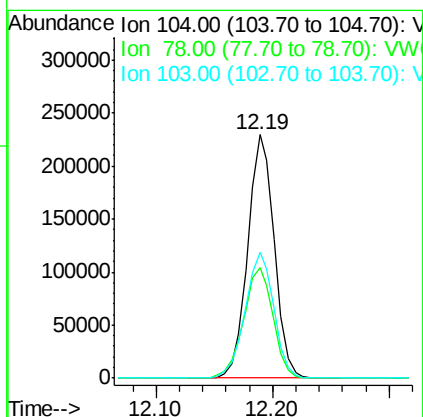
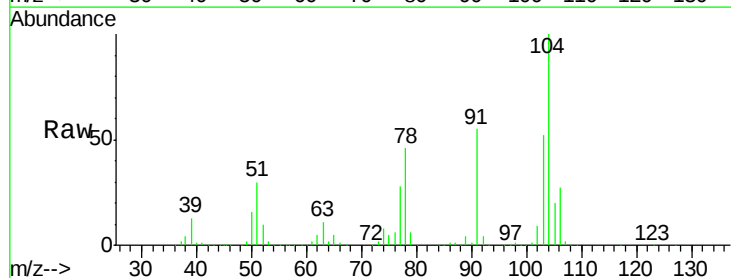
Manual Integrations
APPROVED

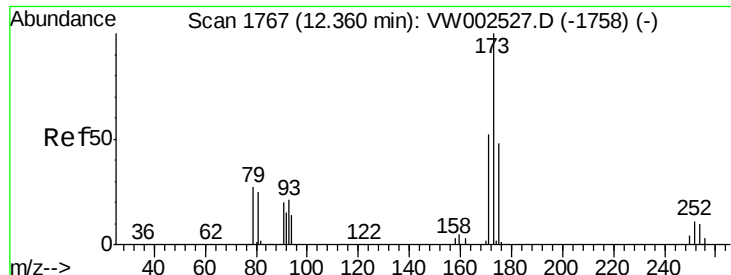
apatel
5/15/2018 6:12:10 PM



#70
Styrene
Concen: 51.49 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	363062		
78	78	50.4	40.1	60.1	
103	103	56.0	44.6	66.8	





#71

Bromoform

Concen: 53.11 ug/l

RT: 12.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Instrument :

MSVOA_W

ClientSampleId :

ICVW051518

Tot Ion:173 Resp: 75374

Ion Ratio Lower Upper

173 100

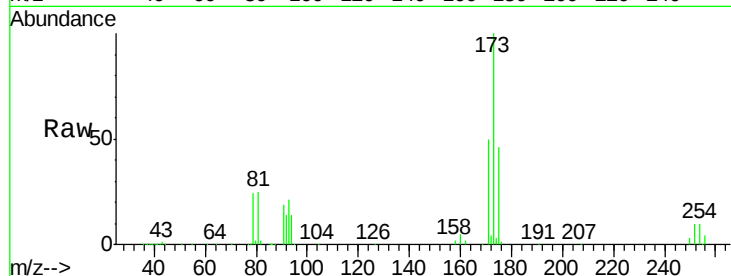
175 49.1 24.5 73.5

254 0.1 0.1 0.1#

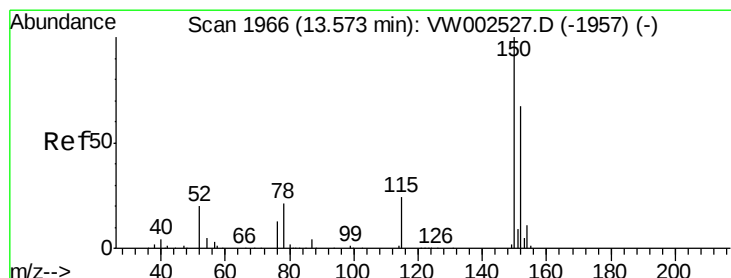
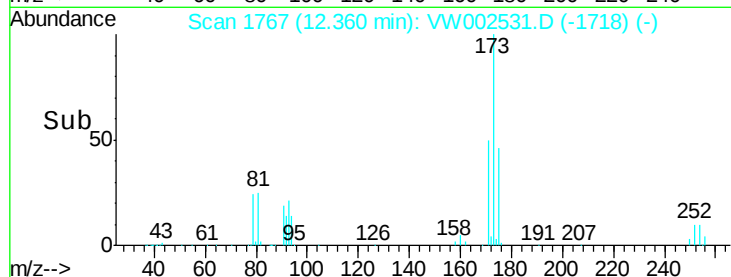
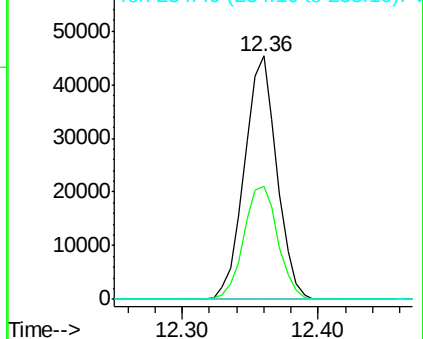
Manual Integrations
APPROVED

apatel

5/15/2018 6:12:10 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

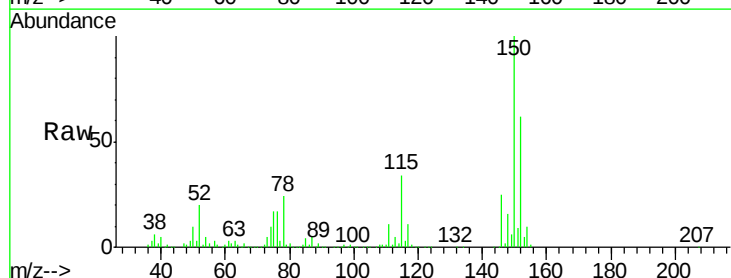
Tgt Ion:152 Resp: 186047

Ion Ratio Lower Upper

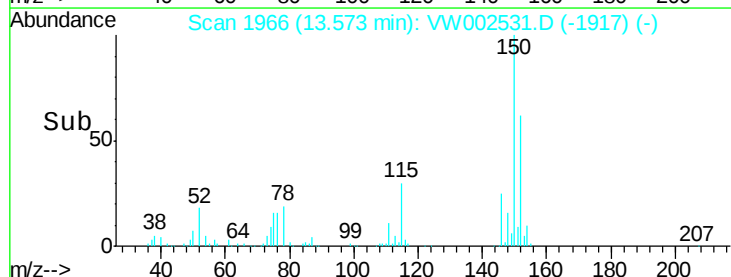
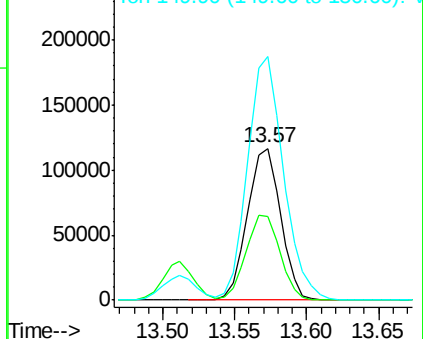
152 100

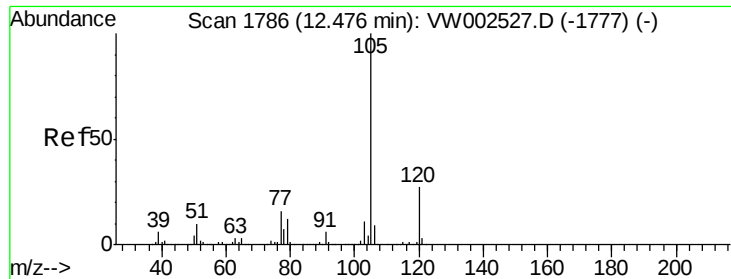
115 57.4 28.0 84.0

150 173.7 0.0 345.4



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: 51.55 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Instrument :

MSVOA_W

ClientSampleId :

ICVW051518

Tot Ion:105 Resp: 591205

Ion Ratio Lower Upper

105 100

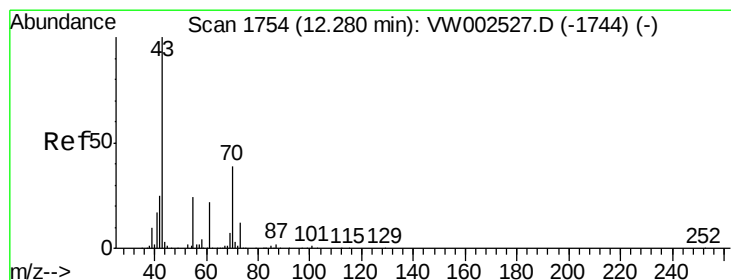
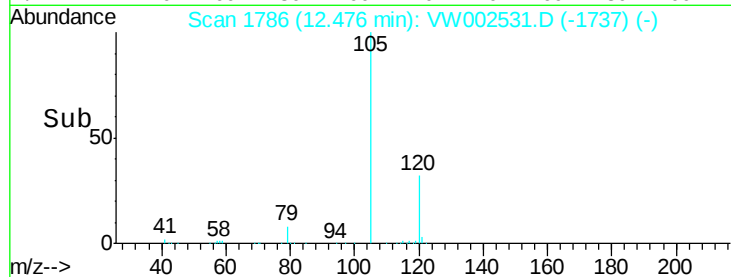
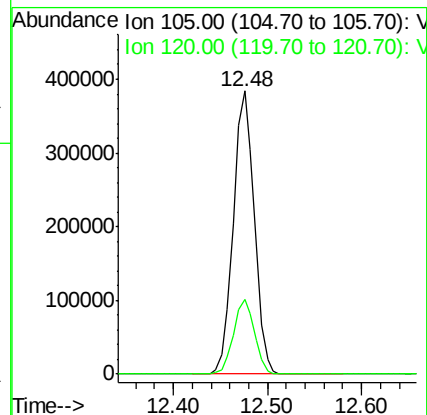
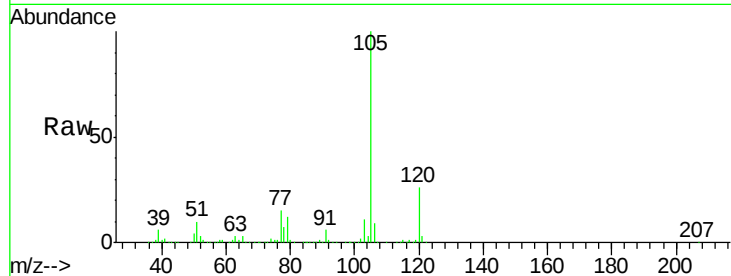
120 26.5 13.4 40.2

Manual Integrations

APPROVED

apatel

5/15/2018 6:12:10 PM



#74

N-ethyl acetate

Concen: 55.96 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Tgt Ion: 43 Resp: 163495

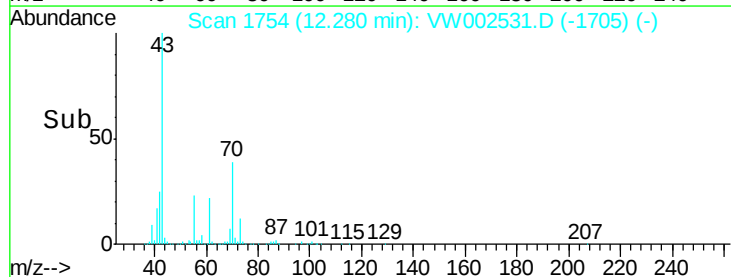
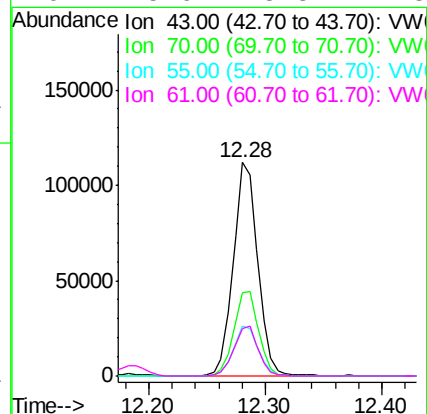
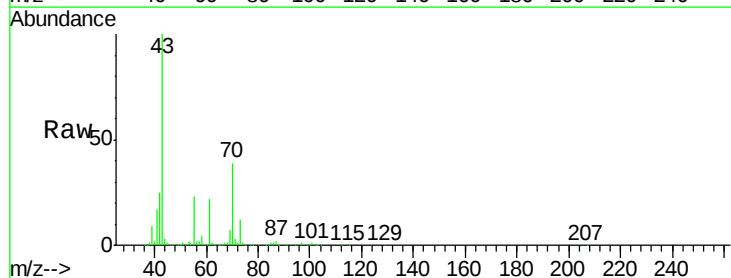
Ion Ratio Lower Upper

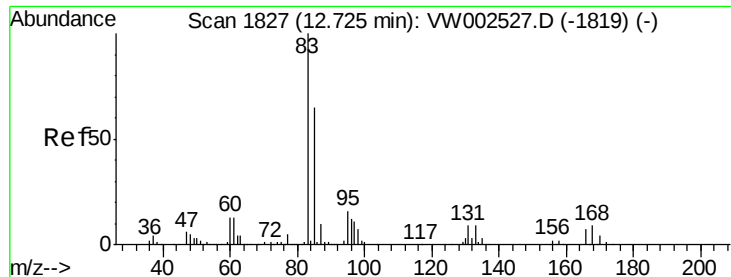
43 100

70 40.6 31.9 47.9

55 23.8 19.4 29.0

61 23.6 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 52.43 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Instrument :

MSVOA_W

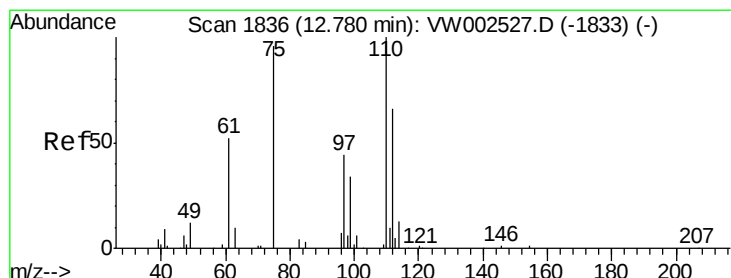
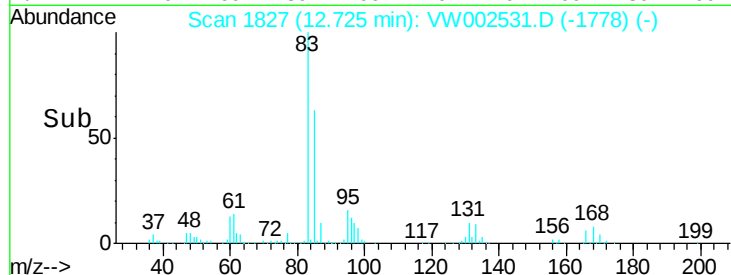
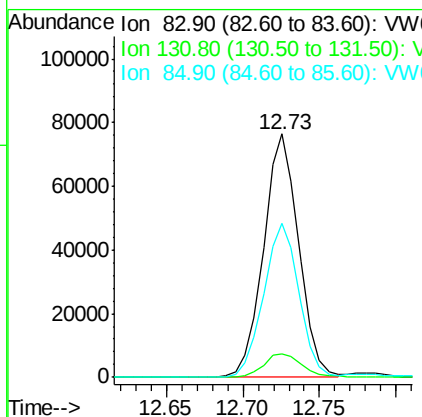
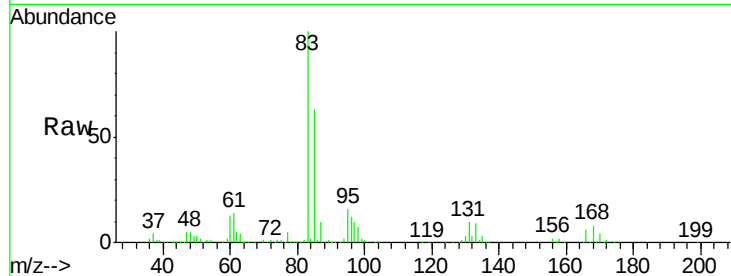
ClientSampleId :

ICVW051518

Tot Ion:	83	Resp:	121837
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.4	16.2
85	63.8	31.6	94.8

Manual Integrations
APPROVED

apatel
5/15/2018 6:12:10 PM



#76

1,2,3-Trichloropropane

Concen: 53.80 ug/l m

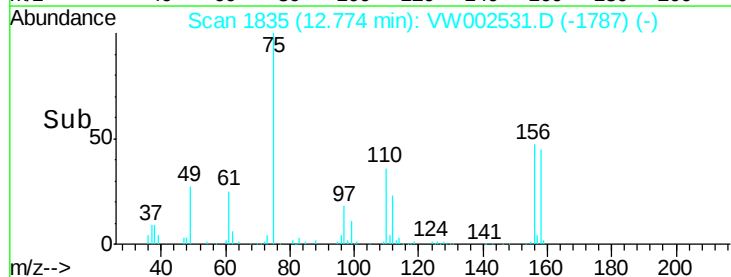
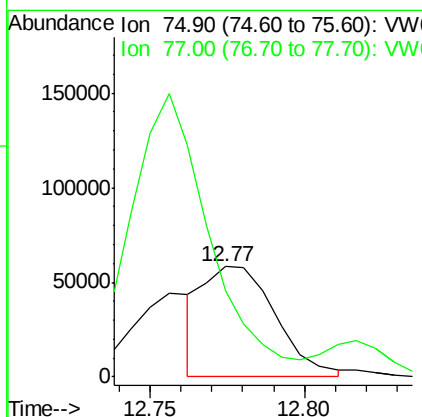
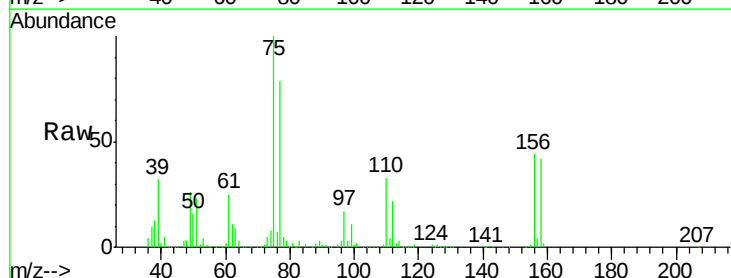
RT: 12.77 min Scan# 1835

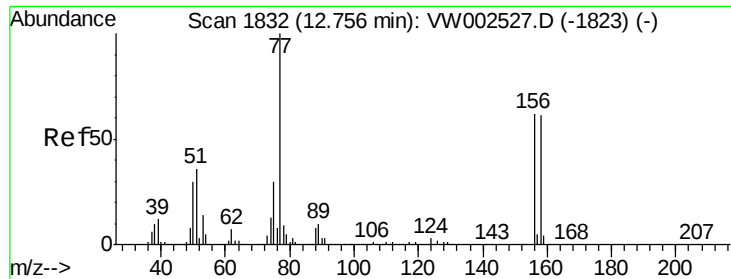
Delta R.T. -0.01 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Tgt Ion:	75	Resp:	94616
Ion Ratio	Lower	Upper	
75	100		
77	284.9	0.0	0.0#





#77

Bromobenzene

Concen: 50.74 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Instrument :

MSVOA_W

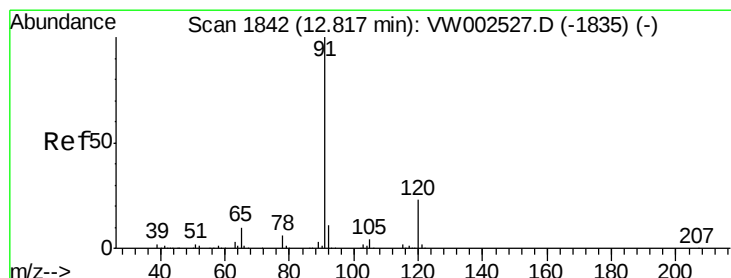
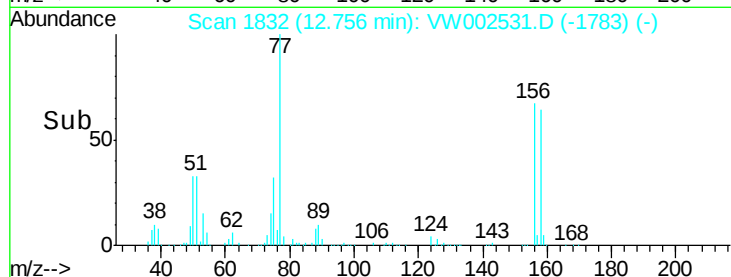
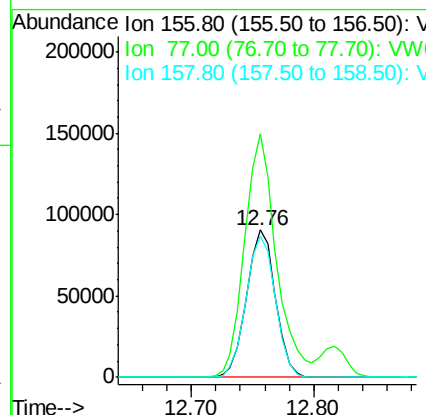
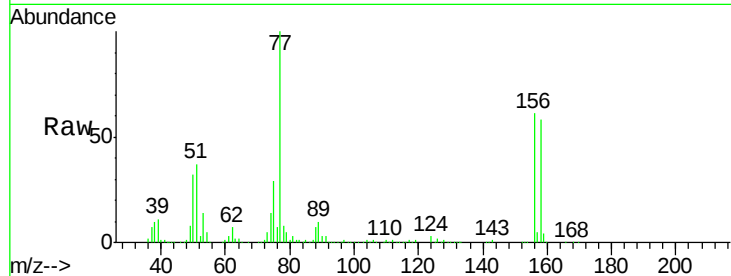
ClientSampleId :

ICVW051518

Tot Ion:	156	Resp:	148462
Ion Ratio	Lower	Upper	
156	100		
77	181.6	89.8	269.4
158	97.2	48.8	146.3

Manual Integrations
APPROVED

apatel
5/15/2018 6:12:10 PM



#78

n-propylbenzene

Concen: 52.09 ug/l

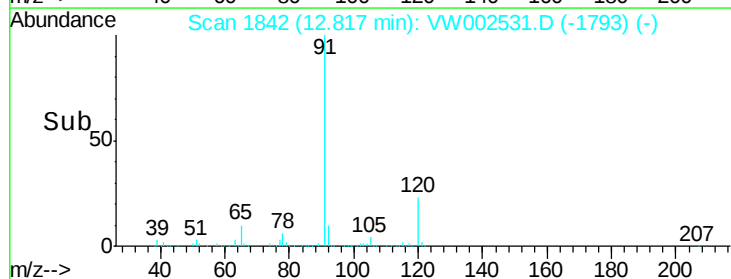
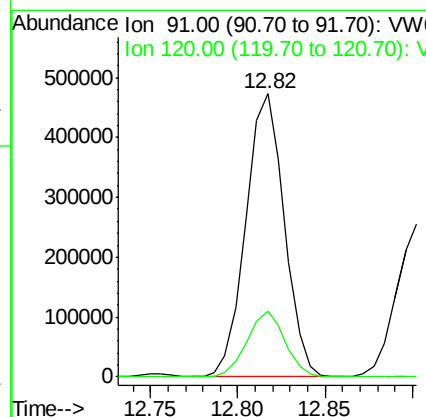
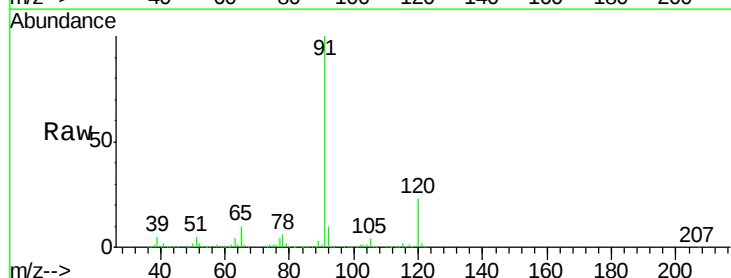
RT: 12.82 min Scan# 1842

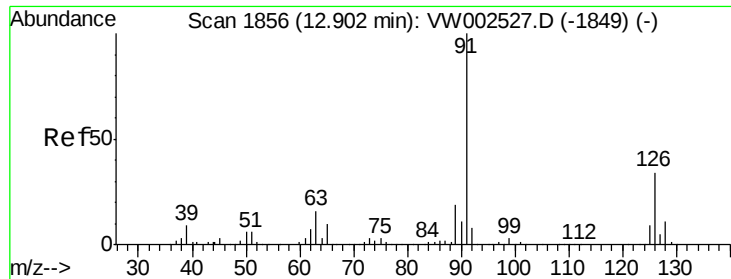
Delta R.T. 0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Tgt Ion:	91	Resp:	721494
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.7	35.1





#79

2-Chlorotoluene

Concen: 51.94 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. -0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Instrument :

MSVOA_W

ClientSampleId :

ICVW051518

Tot Ion: 91 Resp: 408522

Ion Ratio Lower Upper

91 100

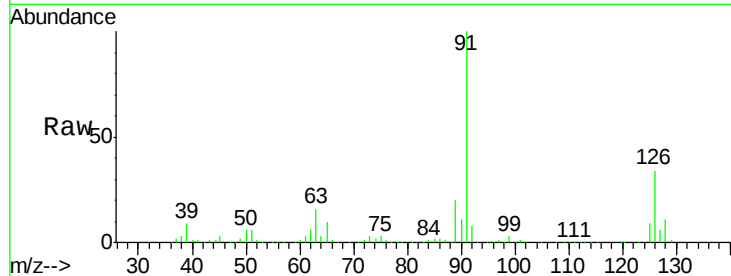
126 34.6 17.6 52.8

Manual Integrations

APPROVED

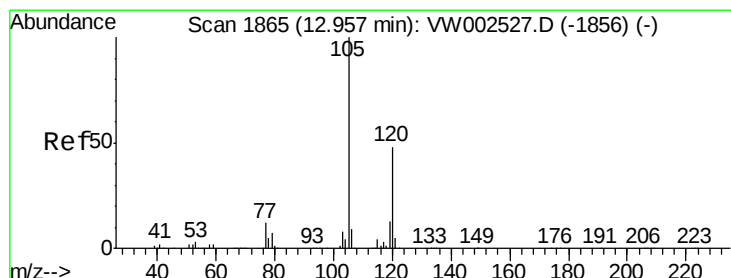
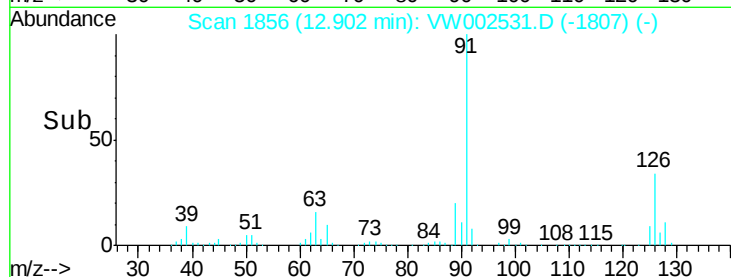
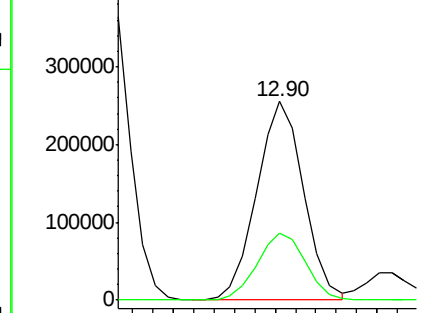
apatel

5/15/2018 6:12:10 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.05 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VW002531.D

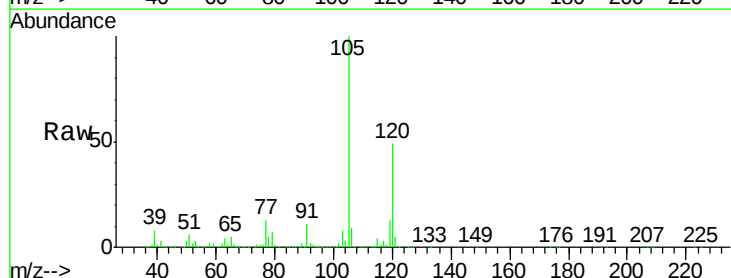
Acq: 15 May 2018 00:11

Tgt Ion:105 Resp: 509446

Ion Ratio Lower Upper

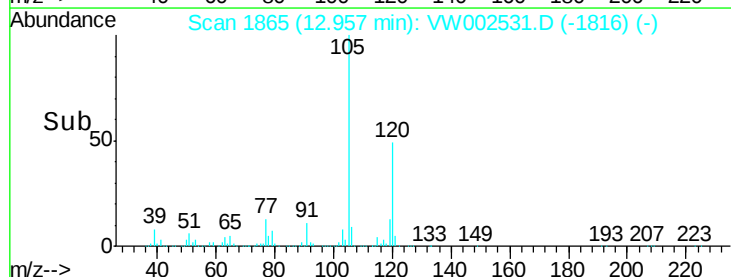
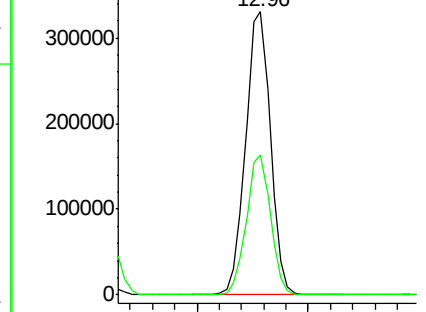
105 100

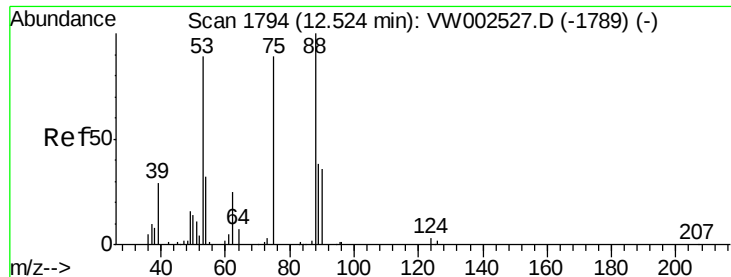
120 48.5 24.6 73.8



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: 53.86 ug/l

RT: 12.52 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Instrument :

MSVOA_W

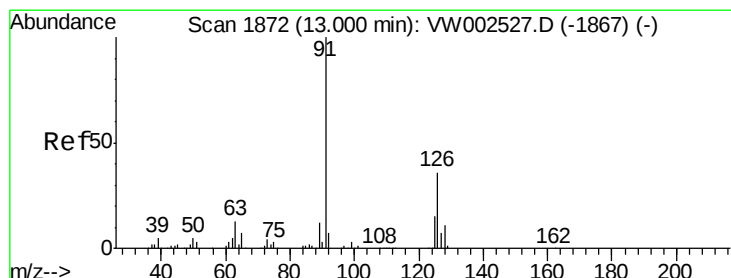
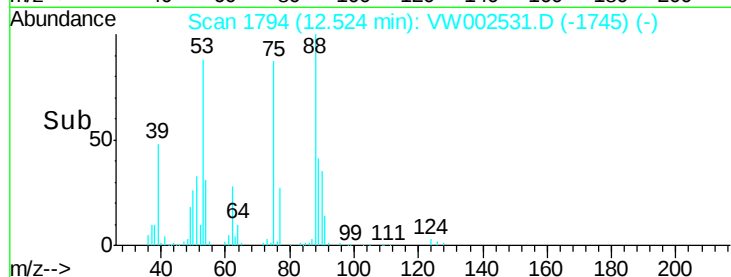
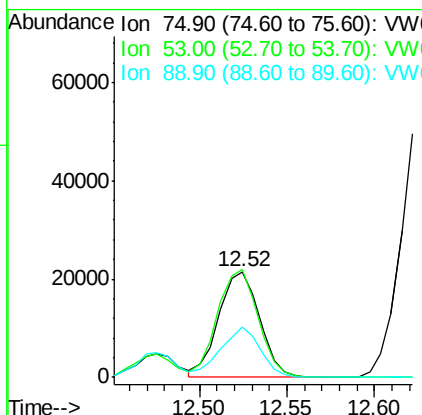
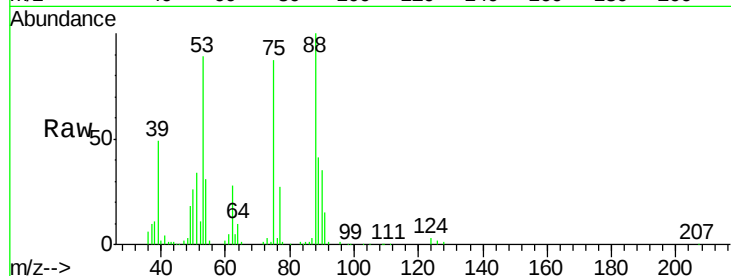
ClientSampleId :

ICVW051518

Tot Ion:	75	Resp:	34742
Ion	Ratio	Lower	Upper
75	100		
53	103.0	82.6	124.0
89	46.6	39.2	58.8

Manual Integrations
APPROVED

apatel
5/15/2018 6:12:10 PM



#82

4-Chlorotoluene

Concen: 51.71 ug/l

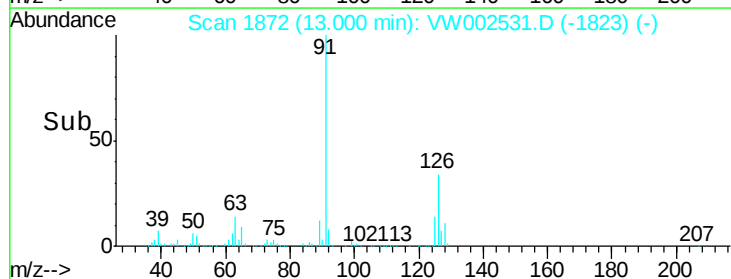
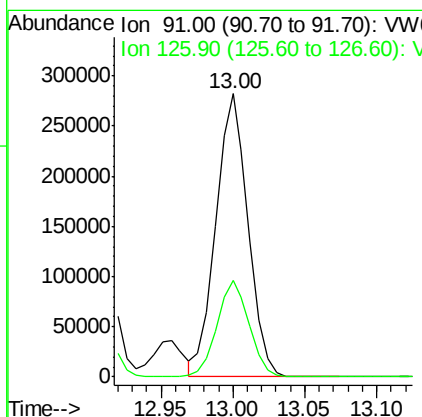
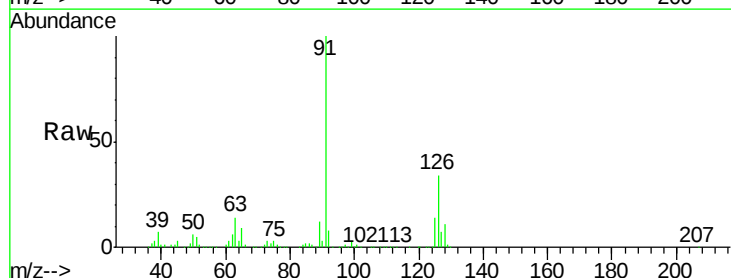
RT: 13.00 min Scan# 1872

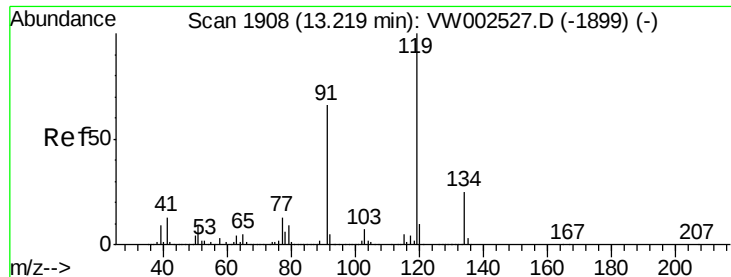
Delta R.T. -0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Tgt Ion:	91	Resp:	439760
Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.5	52.5





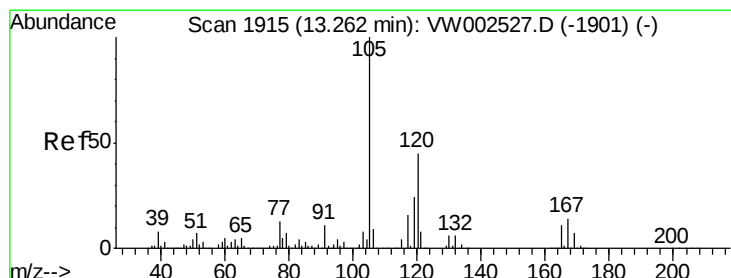
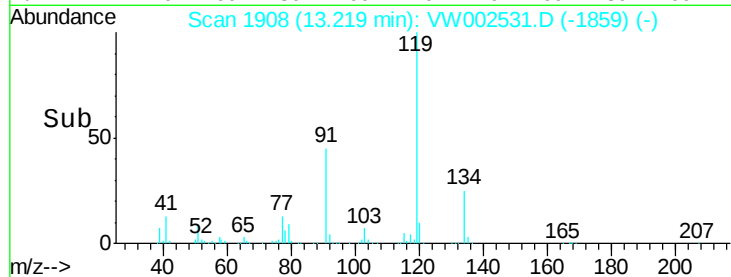
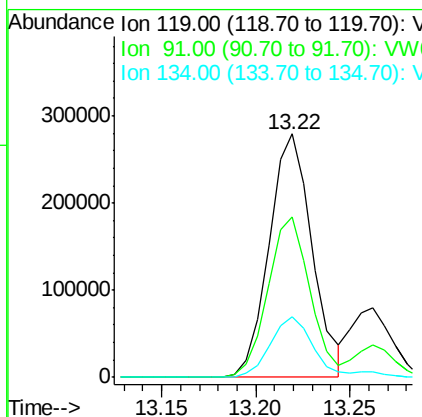
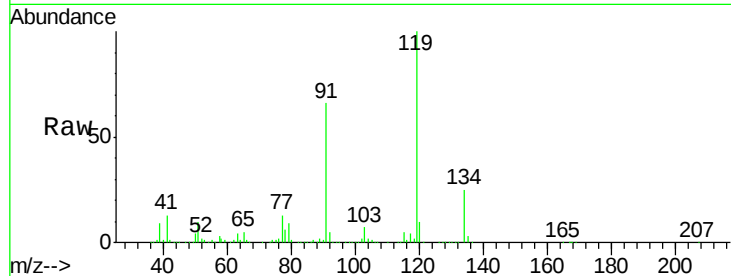
#83
tert-Butylbenzene
Concen: 52.30 ug/l
RT: 13.22 min Scan# 1908
Delta R.T. 0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Instrument :
MSVOA_W
ClientSampleId :
ICVW051518

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.5	32.5	97.5
134	24.3	13.2	39.6

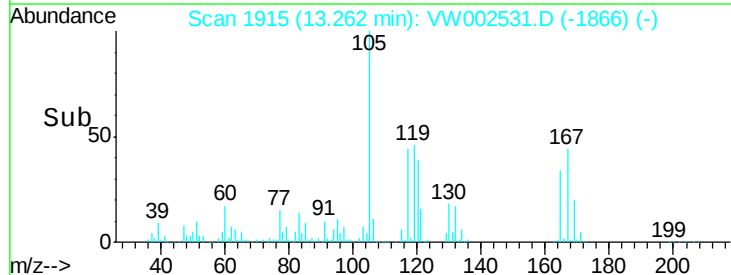
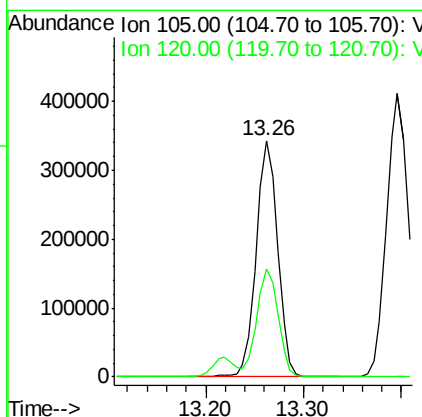
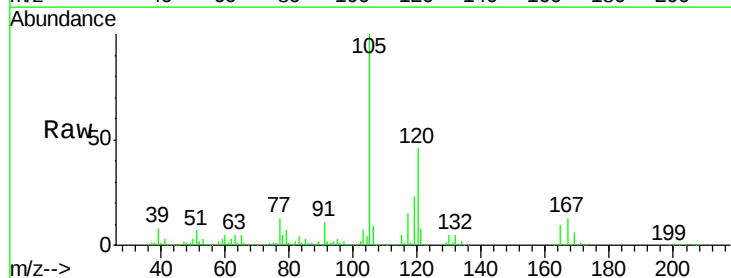
Manual Integrations
APPROVED

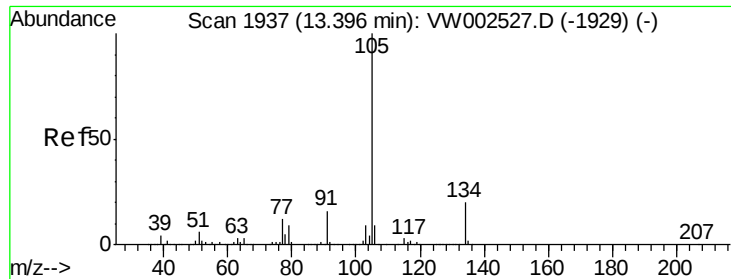
apatel
5/15/2018 6:12:10 PM



#84
1,2,4-Trimethylbenzene
Concen: 51.80 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.3	66.9





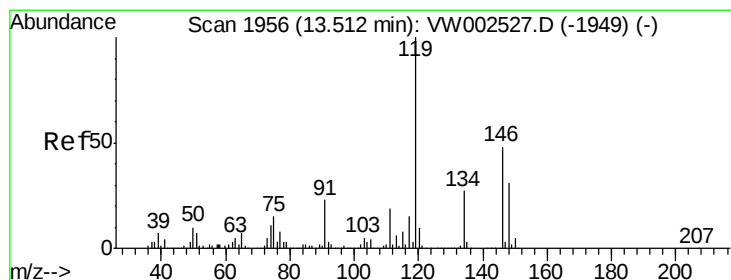
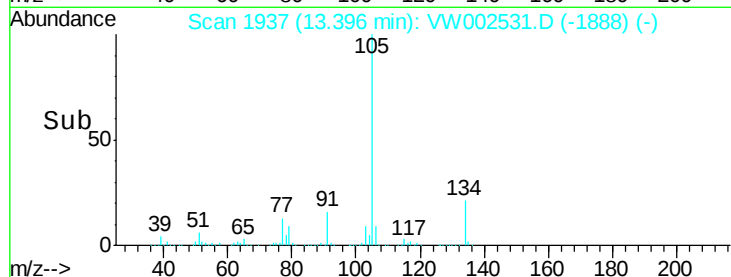
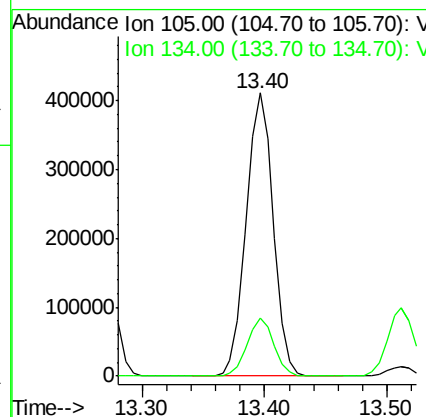
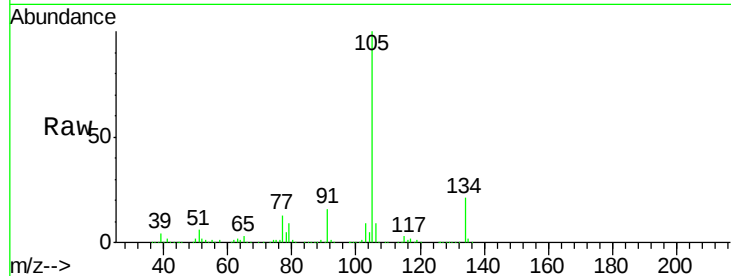
#85
 sec-Butylbenzene
 Concen: 51.83 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VW002531.D
 Acq: 15 May 2018 00:11

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051518

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.1	30.3

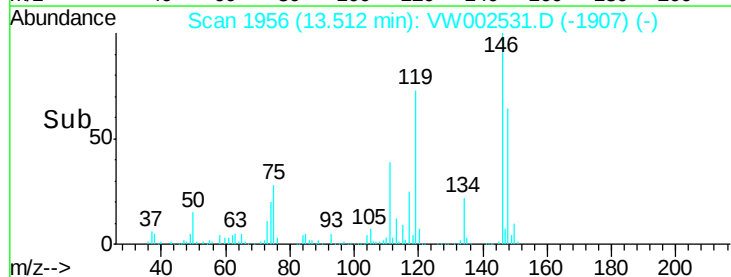
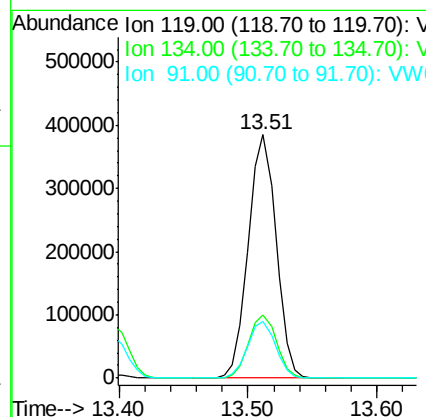
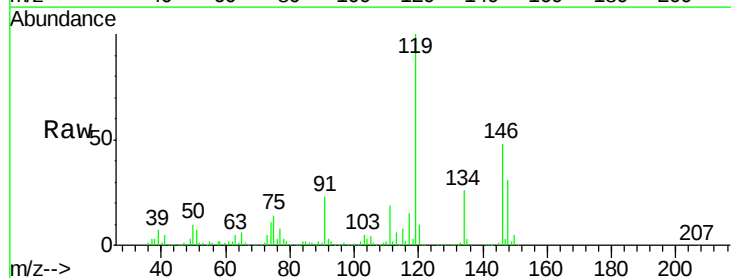
Manual Integrations
 APPROVED

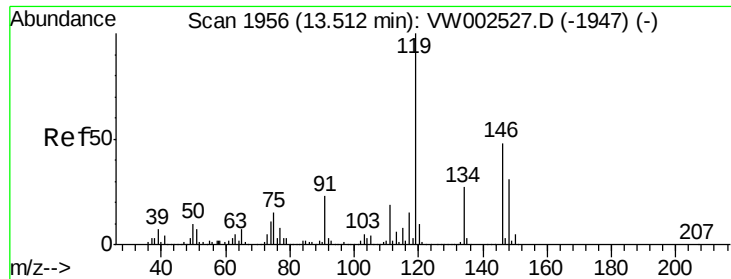
apatel
 5/15/2018 6:12:10 PM



#86
 p-Isopropyltoluene
 Concen: 52.32 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW002531.D
 Acq: 15 May 2018 00:11

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.4	40.1
91	23.5	11.6	34.8





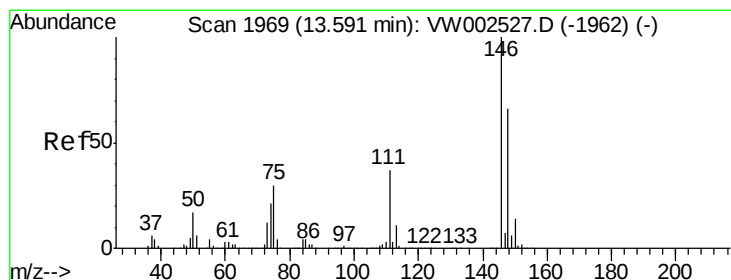
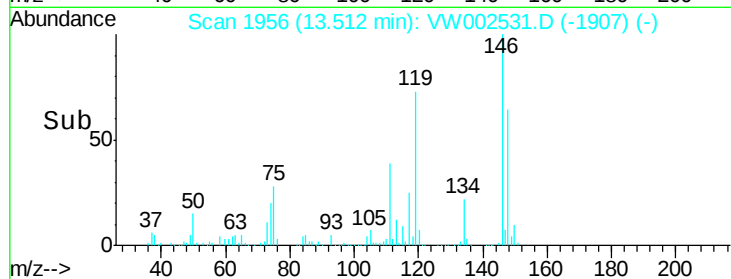
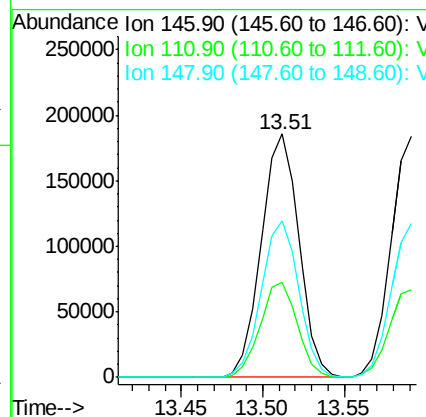
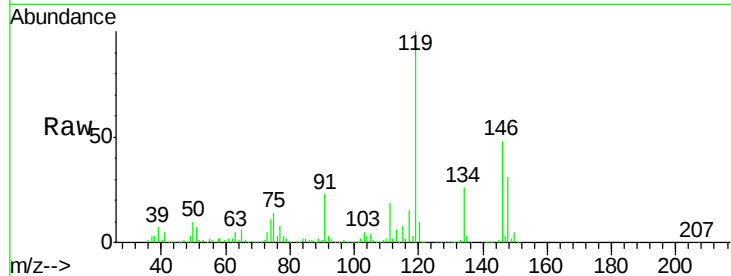
#87
 1,3-Dichlorobenzene
 Concen: 50.48 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW002531.D
 Acq: 15 May 2018 00:11

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051518

Tot Ion	Ratio	Resp	Lower	Upper
146	100	298754		
111	38.6	19.6	58.7	
148	63.8	32.3	96.8	

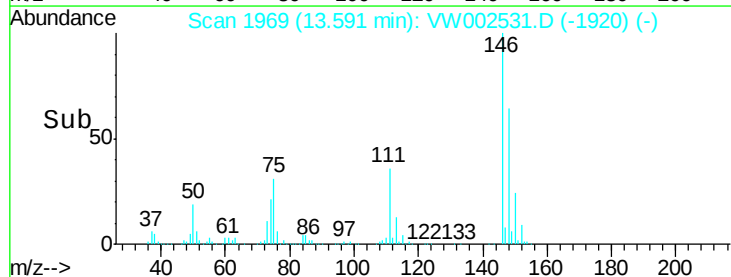
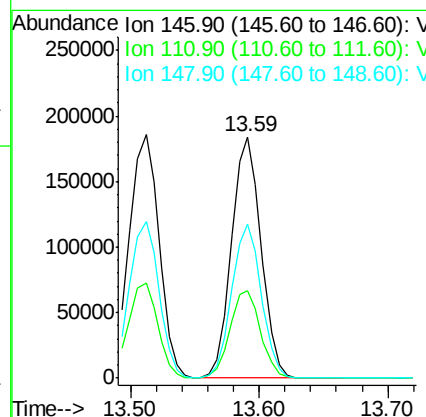
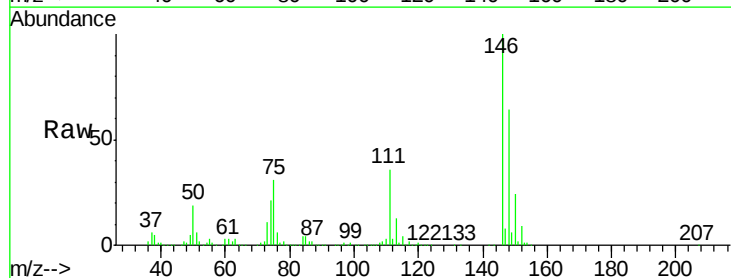
Manual Integrations
 APPROVED

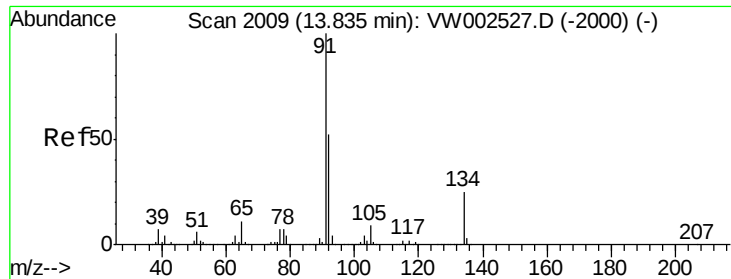
apatel
 5/15/2018 6:12:10 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.10 ug/l
 RT: 13.59 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VW002531.D
 Acq: 15 May 2018 00:11

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	295010		
111	37.8	18.9	56.5	
148	64.1	32.4	97.0	





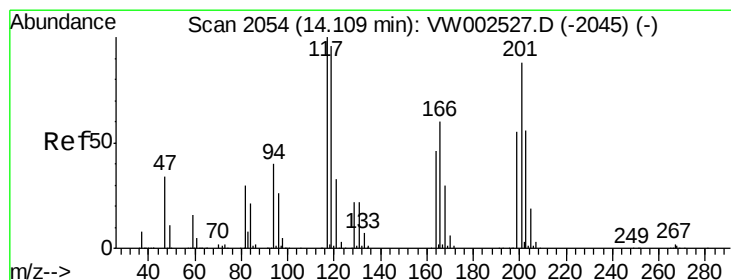
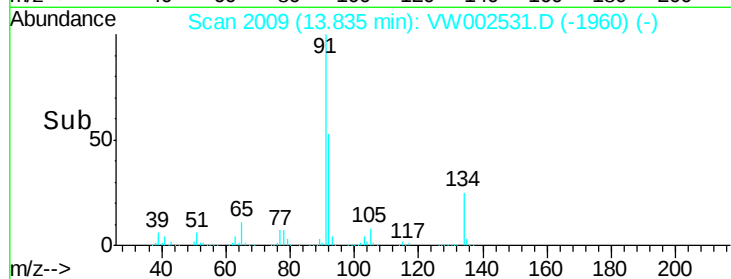
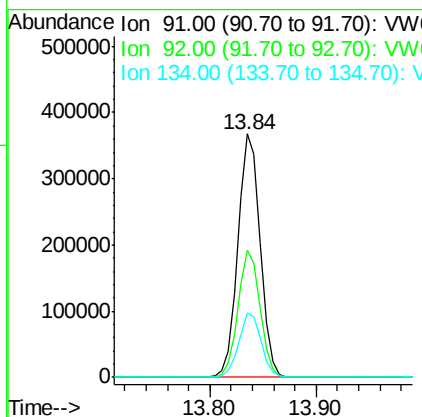
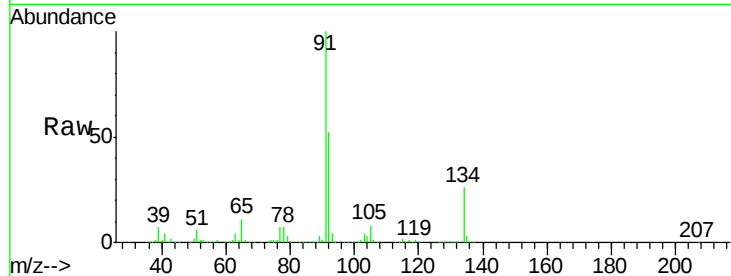
#89
n-Butylbenzene
Concen: 52.11 ug/l
RT: 13.84 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Instrument :
MSVOA_W
ClientSampleId :
ICVW051518

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.9	26.1	78.2	
134	26.4	13.1	39.1	

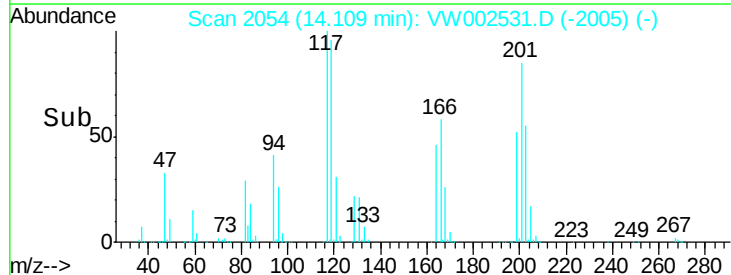
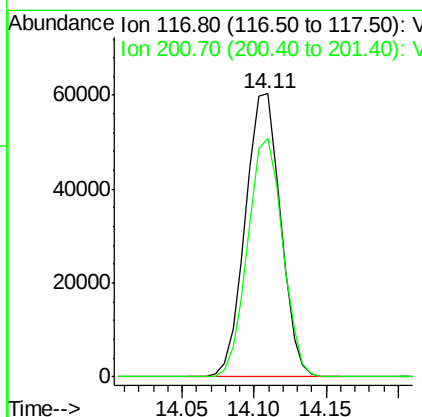
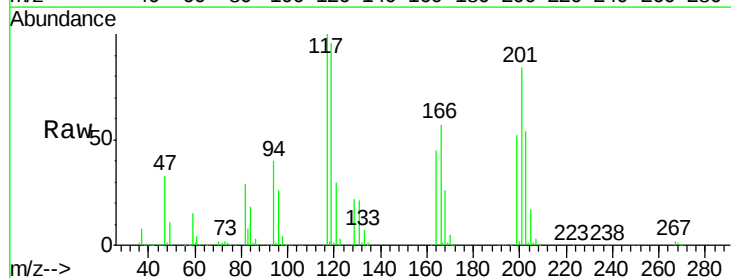
Manual Integrations
APPROVED

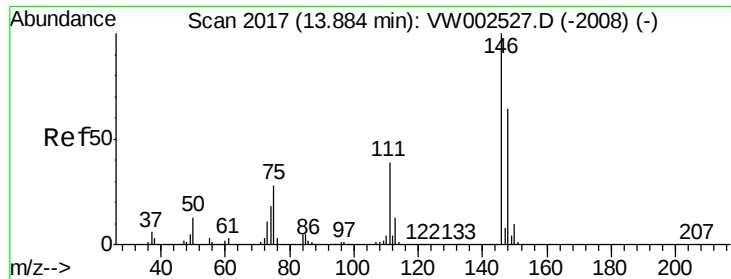
apatel
5/15/2018 6:12:10 PM



#90
Hexachloroethane
Concen: 52.20 ug/l
RT: 14.11 min Scan# 2054
Delta R.T. -0.00 min
Lab File: VW002531.D
Acq: 15 May 2018 00:11

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	83.7	42.0	126.0	





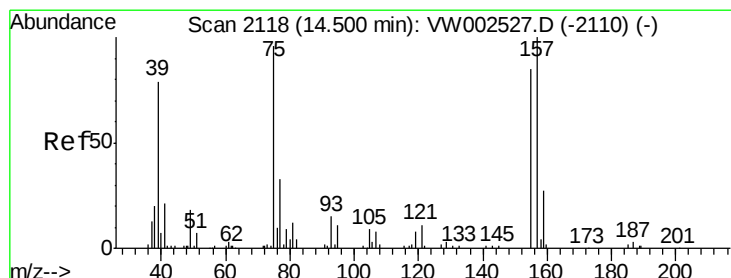
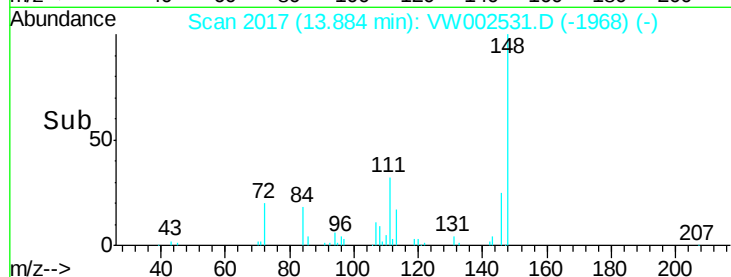
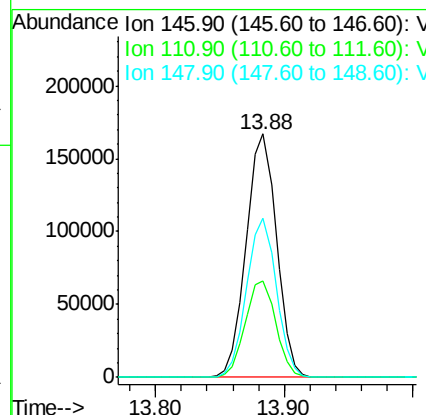
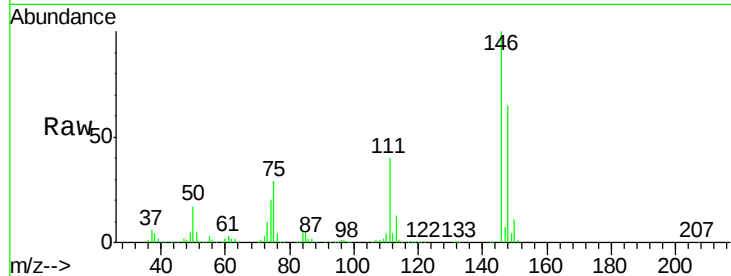
#91
 1,2-Dichlorobenzene
 Concen: 50.75 ug/l
 RT: 13.88 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: VW002531.D
 Acq: 15 May 2018 00:11

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051518

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.9	59.6
148	64.2	32.1	96.3

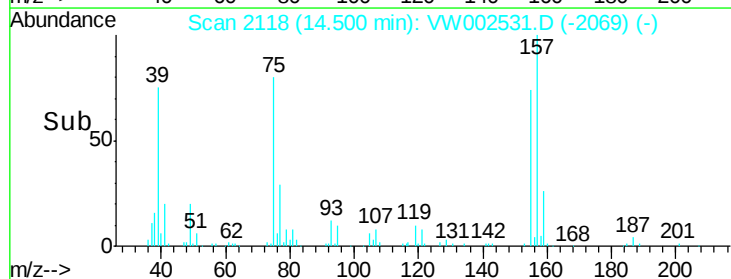
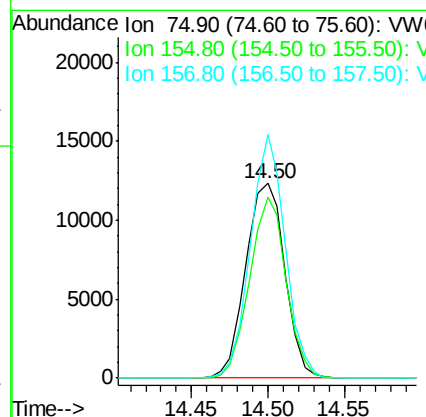
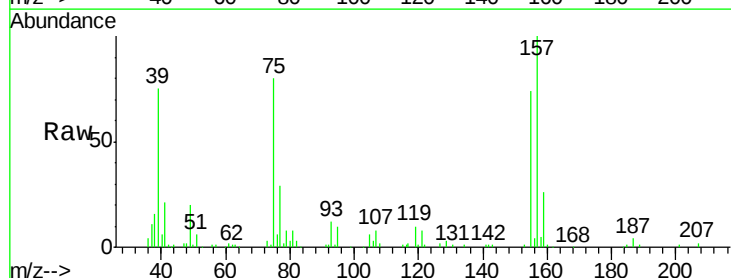
Manual Integrations
 APPROVED

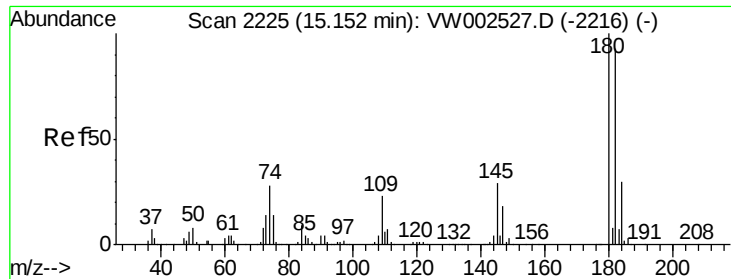
apatel
 5/15/2018 6:12:10 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.47 ug/l
 RT: 14.50 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VW002531.D
 Acq: 15 May 2018 00:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.4	42.8	128.4
157	111.1	57.4	172.0





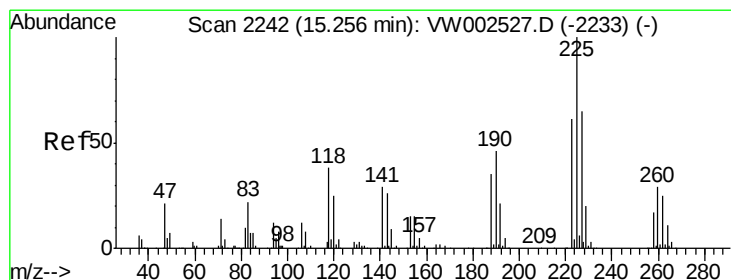
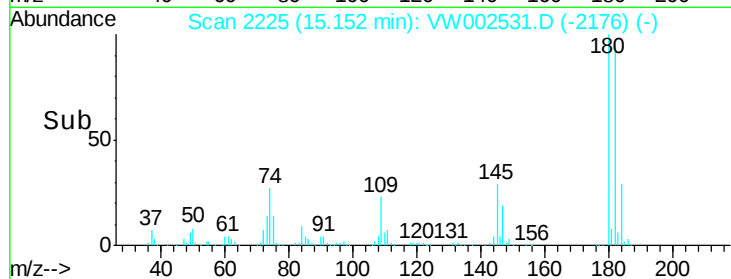
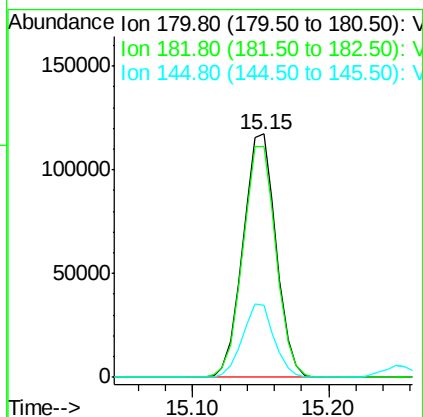
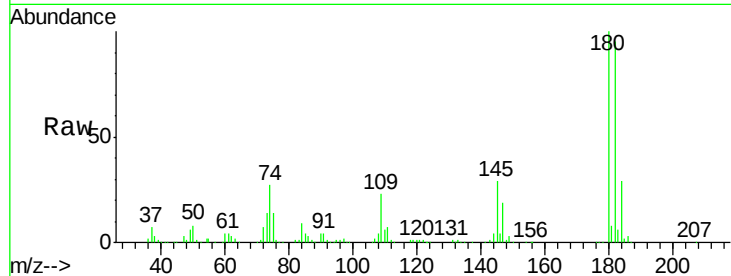
#93
 1,2,4-Trichlorobenzene
 Concen: 50.82 ug/l
 RT: 15.15 min Scan# 2225
 Delta R.T. 0.00 min
 Lab File: VW002531.D
 Acq: 15 May 2018 00:11

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051518

Tot Ion	Ratio	Resp	Lower	Upper
180	100	198670		
182	95.5	47.2	141.6	
145	29.1	14.9	44.9	

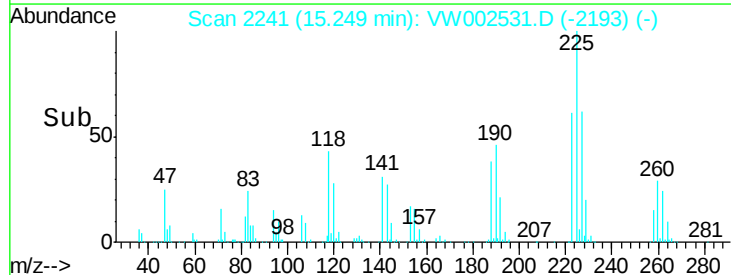
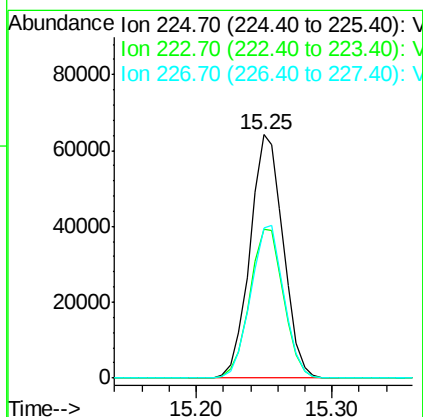
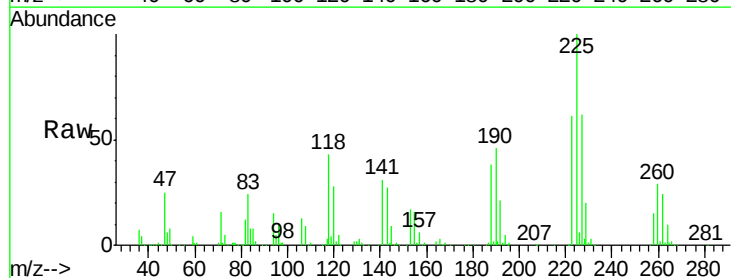
Manual Integrations
 APPROVED

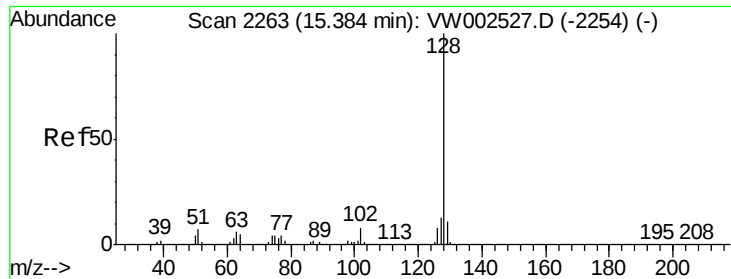
apatel
 5/15/2018 6:12:10 PM



#94
 Hexachlorobutadiene
 Concen: 50.47 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. -0.01 min
 Lab File: VW002531.D
 Acq: 15 May 2018 00:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	109783		
223	62.4	31.3	93.9	
227	62.6	31.9	95.5	





#95

Naphthalene

Concen: 54.88 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Instrument :

MSVOA_W

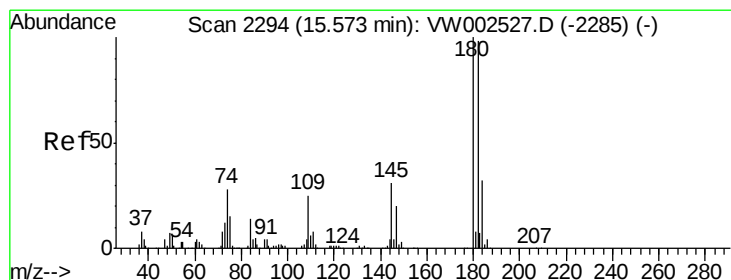
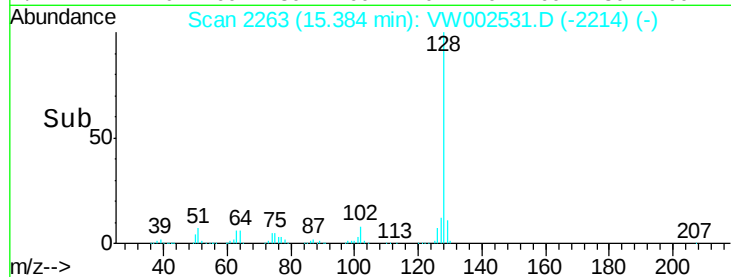
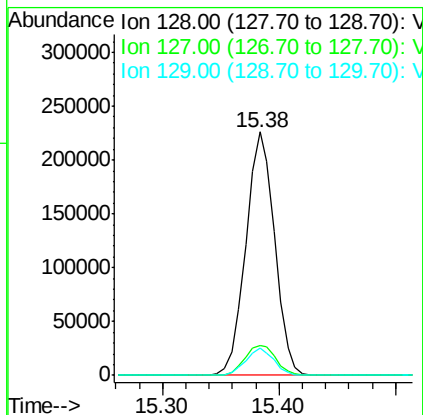
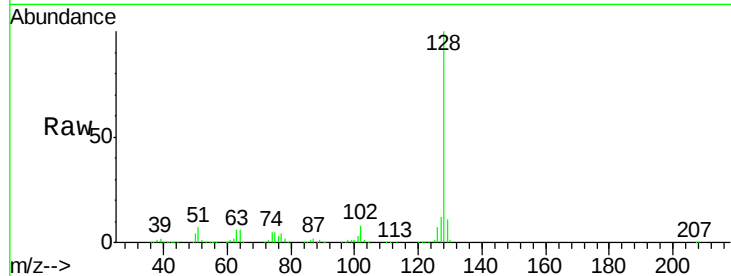
ClientSampleId :

ICVW051518

Tot Ion:	128	Resp:	390118
Ion Ratio		Lower	Upper
128	100		
127	13.3	10.6	15.8
129	10.8	8.9	13.3

Manual Integrations
APPROVED

apatel
5/15/2018 6:12:10 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.25 ug/l

RT: 15.57 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VW002531.D

Acq: 15 May 2018 00:11

Tgt Ion:	180	Resp:	179270
Ion Ratio		Lower	Upper
180	100		
182	94.2	47.3	141.8
145	31.2	15.5	46.5

