

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051518\
 Data File : VW002566.D
 Acq On : 15 May 2018 23:16
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 5/16/2018 12:27:02 PM

Quant Time: May 16 07:23:44 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	207467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	313949	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	294244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	164759	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	116699	54.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.86%	
35) Dibromofluoromethane	7.88	113	104042	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
50) Toluene-d8	10.33	98	396718	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
62) 4-Bromofluorobenzene	12.63	95	145491	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	42420	52.99	ug/l	96
3) Chloromethane	2.21	50	80498	52.57	ug/l	99
4) Vinyl Chloride	2.36	62	131733	54.86	ug/l	98
5) Bromomethane	2.77	94	102120	51.86	ug/l	98
6) Chloroethane	2.92	64	87151	52.74	ug/l	96
7) Trichlorofluoromethane	3.24	101	45587	43.08	ug/l	97
8) Diethyl Ether	3.67	74	78469	61.97	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.04	101	90218	51.47	ug/l	100
10) Methyl Iodide	4.26	142	145271	52.00	ug/l	99
11) Tert butyl alcohol	5.20	59	42909	260.37	ug/l	98
12) 1,1-Dichloroethene	4.03	96	89515	51.59	ug/l	95
13) Acrolein	3.89	56	43482	267.82	ug/l	99
14) Allyl chloride	4.65	41	117956	45.81	ug/l	99
15) Acrylonitrile	5.37	53	128901	282.29	ug/l	98
16) Acetone	4.12	43	108990	240.80	ug/l	98
17) Carbon Disulfide	4.37	76	233859	48.98	ug/l	100
18) Methyl Acetate	4.67	43	76992	58.35	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	182500	57.24	ug/l	99
20) Methylene Chloride	4.91	84	98389	54.91	ug/l	97
21) trans-1,2-Dichloroethene	5.40	96	97165	51.80	ug/l	97
22) Diisopropyl ether	6.31	45	304048	53.30	ug/l	100
23) Vinyl Acetate	6.25	43	944956	273.35	ug/l	99
24) 1,1-Dichloroethane	6.21	63	181356	52.75	ug/l	99
25) 2-Butanone	7.18	43	180947	282.71	ug/l	99
26) 2,2-Dichloropropane	7.17	77	84028	43.62	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	112826	52.72	ug/l	99
28) Bromochloromethane	7.51	49	81171	52.90	ug/l	99
29) Tetrahydrofuran	7.53	42	116309	290.90	ug/l	99
30) Chloroform	7.67	83	195576	53.28	ug/l	94
31) Cyclohexane	7.95	56	143018	46.96	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	141352	51.05	ug/l	99
36) 1,1-Dichloropropene	8.08	75	142055	51.28	ug/l	99
37) Ethyl Acetate	7.26	43	77451	56.37	ug/l	100
38) Carbon Tetrachloride	8.07	117	138585	51.09	ug/l	98

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051518\
 Data File : VW002566.D
 Acq On : 15 May 2018 23:16
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 5/16/2018 12:27:02 PM

Quant Time: May 16 07:23:44 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	159682	50.32	ug/l	98
40) Benzene	8.32	78	414137	52.06	ug/l	100
41) Methacrylonitrile	7.48	41	43352	56.37	ug/l	99
42) 1,2-Dichloroethane	8.40	62	137923	54.60	ug/l	99
43) Isopropyl Acetate	8.43	43	147157	55.68	ug/l	99
44) Trichloroethene	9.09	130	113244	51.95	ug/l	96
45) 1,2-Dichloropropane	9.37	63	108147	53.36	ug/l	99
46) Dibromomethane	9.46	93	62447	54.14	ug/l	97
47) Bromodichloromethane	9.65	83	147492	54.83	ug/l	100
48) Methyl methacrylate	9.45	41	77525	60.55	ug/l	94
49) 1,4-Dioxane	9.45	88	22342	1162.31	ug/l	93
51) 4-Methyl-2-Pentanone	10.22	43	419784	289.30	ug/l	100
52) Toluene	10.39	92	266479	52.99	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	147725	54.31	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	163717	53.99	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	89777	55.25	ug/l	97
56) Ethyl methacrylate	10.65	69	116999	59.08	ug/l	97
57) 1,3-Dichloropropane	10.94	76	149086	55.32	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	261551	269.04	ug/l	100
59) 2-Hexanone	10.98	43	296245	295.73	ug/l	99
60) Dibromochloromethane	11.13	129	106858	55.73	ug/l	99
61) 1,2-Dibromoethane	11.24	107	87453	55.76	ug/l	100
64) Tetrachloroethene	10.87	164	118937	57.35	ug/l	97
65) Chlorobenzene	11.66	112	310811	53.03	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	112630	53.69	ug/l	99
67) Ethyl Benzene	11.74	91	530128	53.22	ug/l	100
68) m/p-Xylenes	11.85	106	412968	106.64	ug/l	100
69) o-Xylene	12.18	106	198643	53.98	ug/l	99
70) Styrene	12.19	104	335406	54.77	ug/l	99
71) Bromoform	12.35	173	70051	56.83	ug/l	100
73) Isopropylbenzene	12.48	105	534234	52.60	ug/l	100
74) N-amyl acetate	12.28	43	147504	57.01	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	112128	54.49	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	82692m	53.10	ug/l	
77) Bromobenzene	12.76	156	138717	53.53	ug/l	98
78) n-propylbenzene	12.82	91	648623	52.88	ug/l	99
79) 2-Chlorotoluene	12.90	91	369131	53.00	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	461509	53.25	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	30945	54.17	ug/l	99
82) 4-Chlorotoluene	13.00	91	399264	53.01	ug/l	99
83) tert-Butylbenzene	13.22	119	401182	53.60	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	483578	53.75	ug/l	100
85) sec-Butylbenzene	13.40	105	569870	52.99	ug/l	100
86) p-Isopropyltoluene	13.51	119	520054	53.76	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	275950	52.65	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	276036	52.94	ug/l	99
89) n-Butylbenzene	13.84	91	489200	53.47	ug/l	99
90) Hexachloroethane	14.10	117	93642	54.06	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	254162	53.45	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	20832	57.38	ug/l	95

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051518\
Data File : VW002566.D
Acq On : 15 May 2018 23:16
Operator : JC/SY
Sample : VSTDCCC050
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

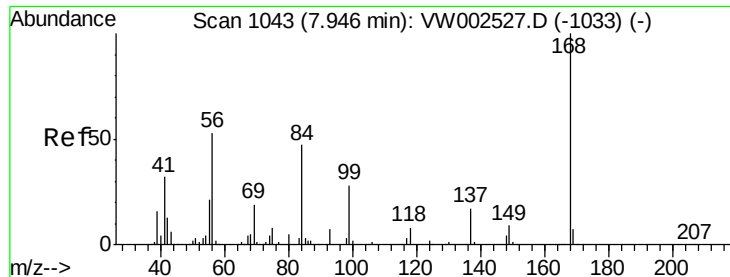
Manual Integrations
APPROVED

apatel
5/16/2018 12:27:02 PM

Quant Time: May 16 07:23:44 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	185877	53.69	ug/l	99
94) Hexachlorobutadiene	15.26	225	100860	52.36	ug/l	99
95) Naphthalene	15.38	128	364638	57.93	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	167249	53.99	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 207467

Ion Ratio Lower Upper

168 100

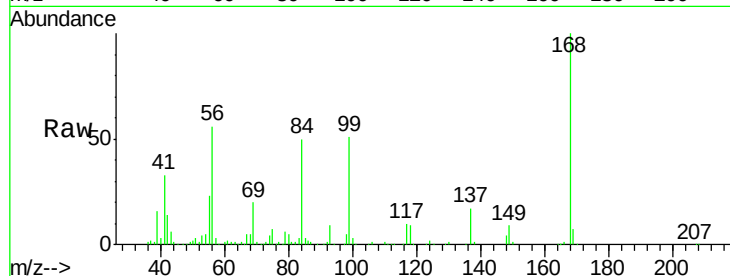
99 50.9 42.6 64.0

Manual Integrations

APPROVED

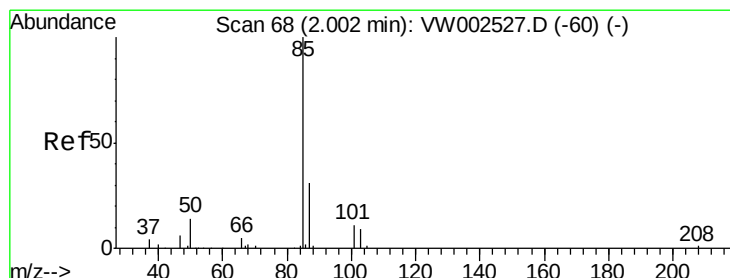
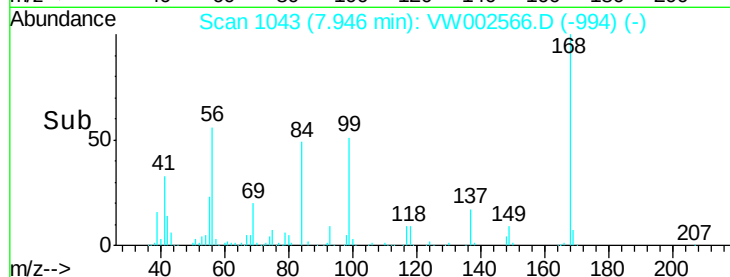
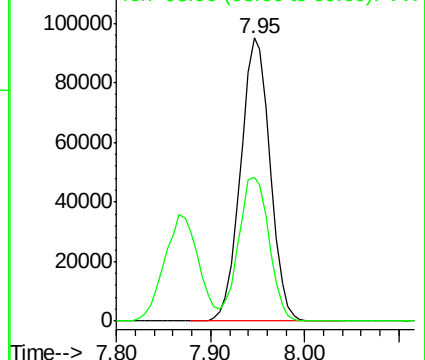
apatel

5/16/2018 12:27:02 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 52.99 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW002566.D

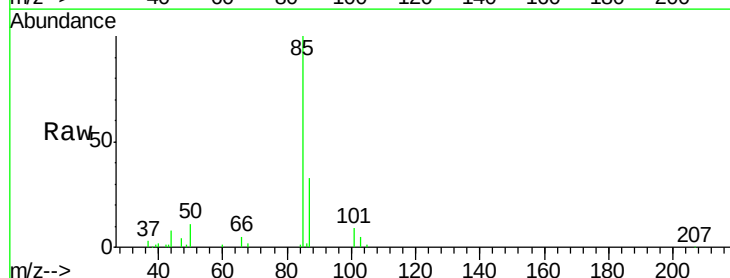
Acq: 15 May 2018 23:16

Tgt Ion: 85 Resp: 42420

Ion Ratio Lower Upper

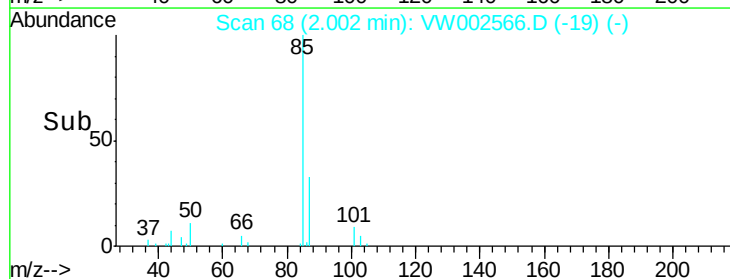
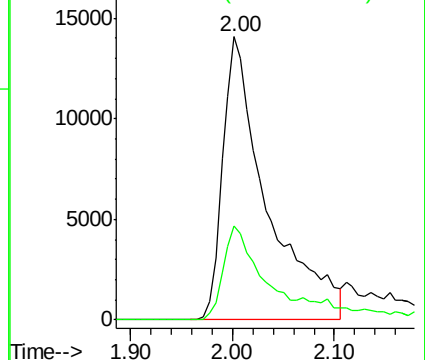
85 100

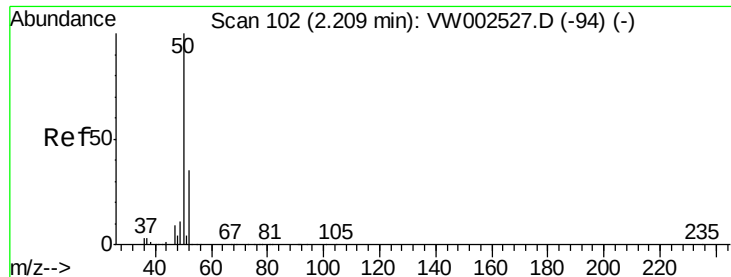
87 33.1 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 52.57 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 80498

Ion Ratio Lower Upper

50 100

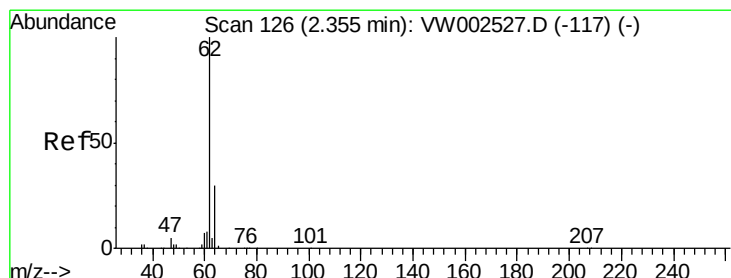
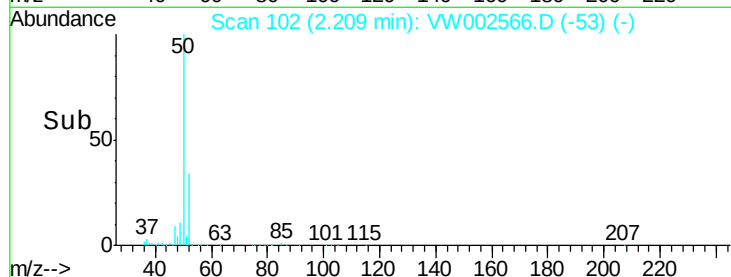
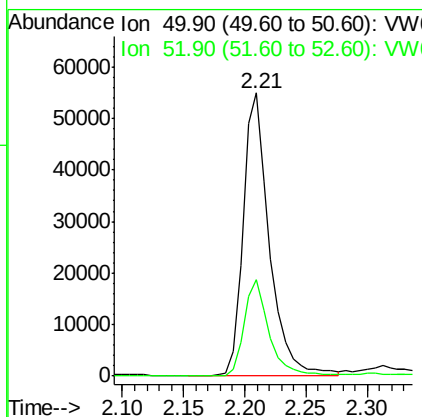
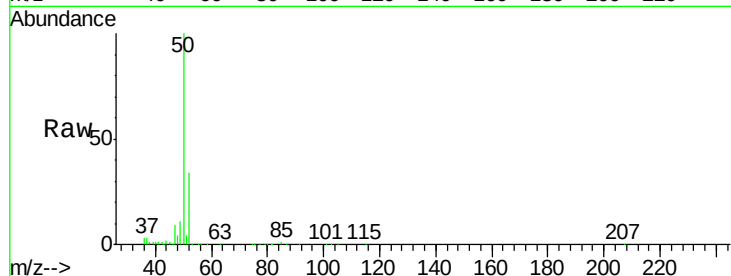
52 34.0 27.8 41.8

Manual Integrations

APPROVED

apatel

5/16/2018 12:27:02 PM



#4

Vinyl Chloride

Concen: 54.86 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW002566.D

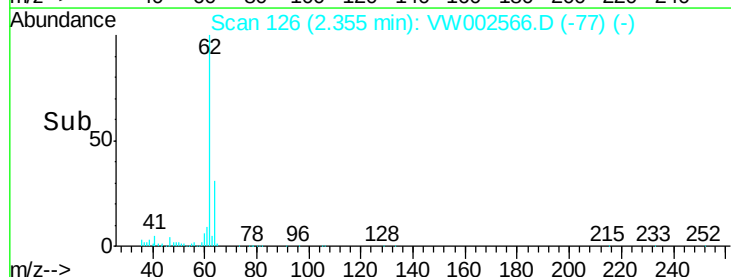
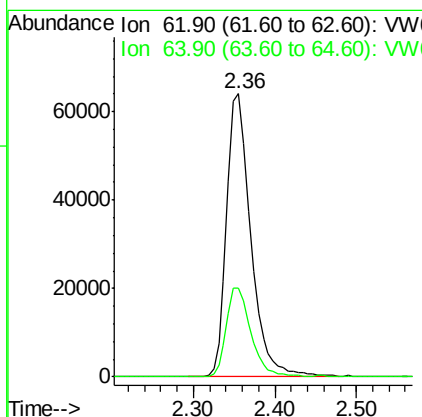
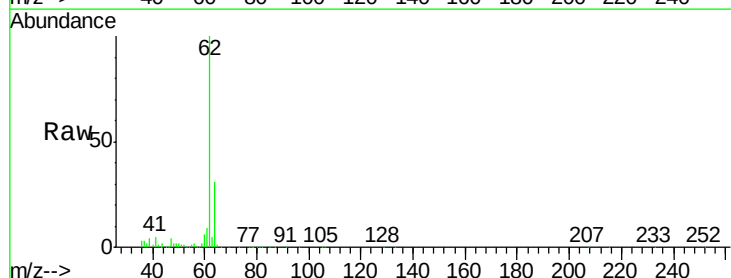
Acq: 15 May 2018 23:16

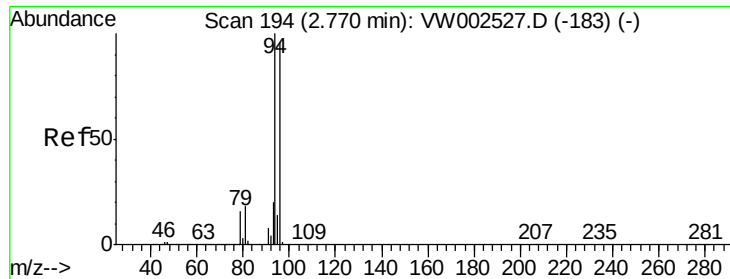
Tgt Ion: 62 Resp: 131733

Ion Ratio Lower Upper

62 100

64 31.3 24.0 36.0





#5

Bromomethane

Concen: 51.86 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 102120

Ion Ratio Lower Upper

94 100

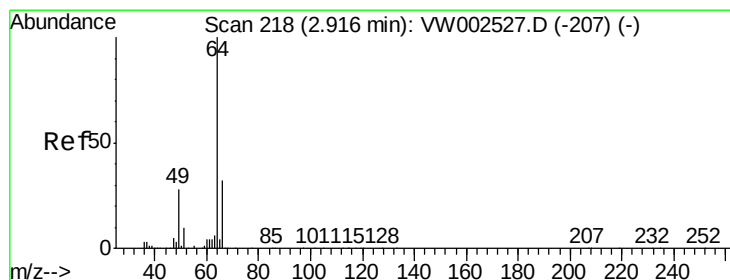
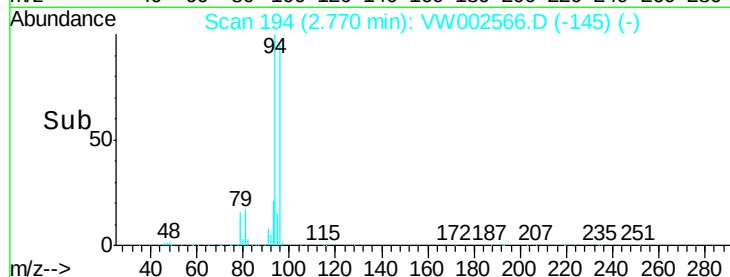
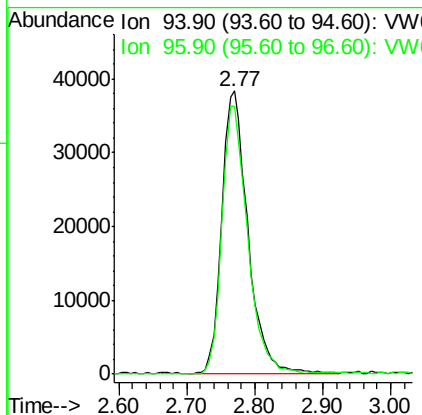
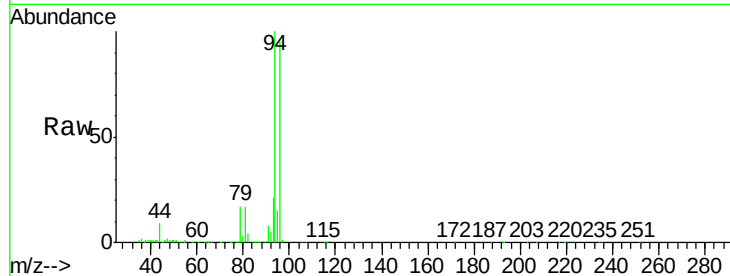
96 94.5 77.0 115.4

Manual Integrations

APPROVED

apatel

5/16/2018 12:27:02 PM



#6

Chloroethane

Concen: 52.74 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.00 min

Lab File: VW002566.D

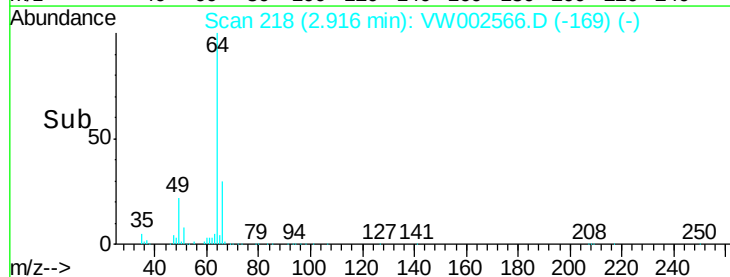
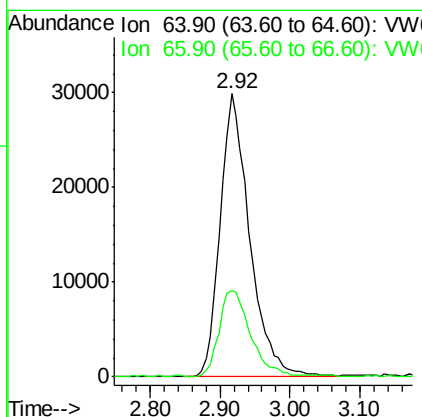
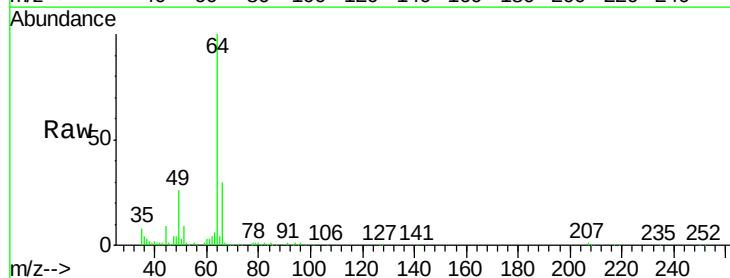
Acq: 15 May 2018 23:16

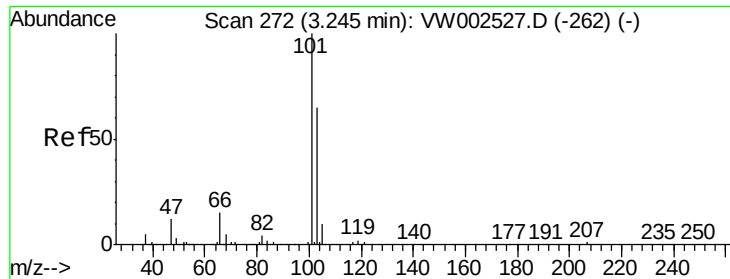
Tgt Ion: 64 Resp: 87151

Ion Ratio Lower Upper

64 100

66 30.2 25.8 38.8





#7

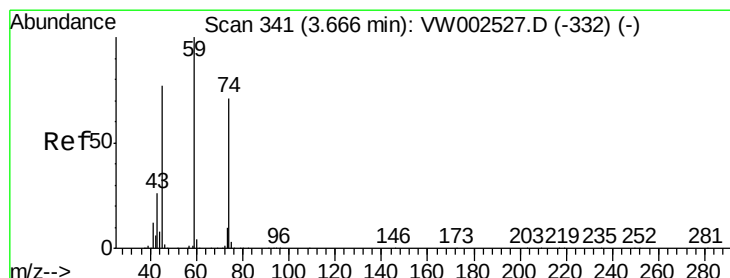
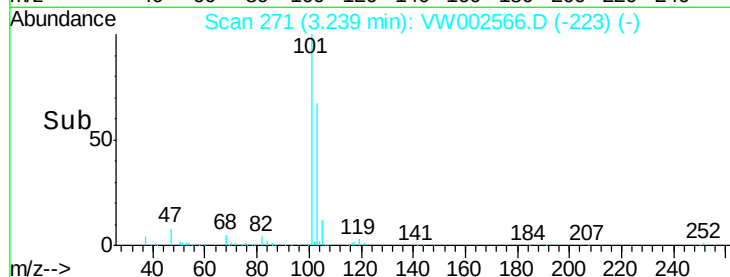
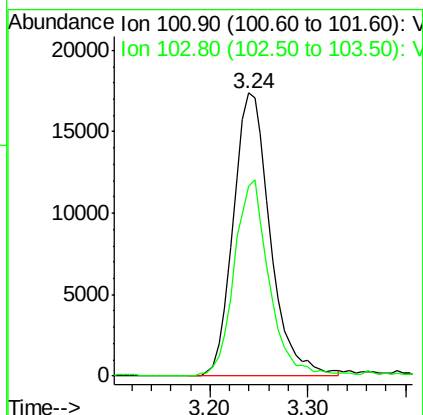
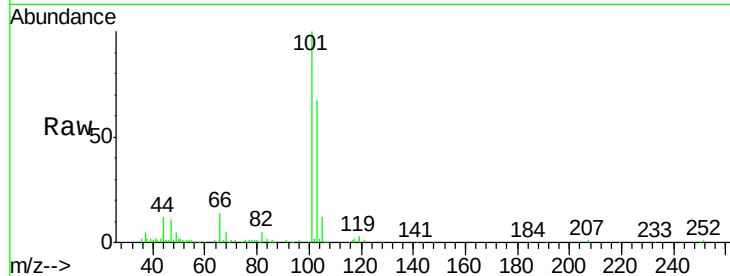
Trichlorofluoromethane
Concen: 43.08 ug/l
RT: 3.24 min Scan# 271
Delta R.T. -0.01 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.2	51.8	77.8

Manual Integrations
APPROVED

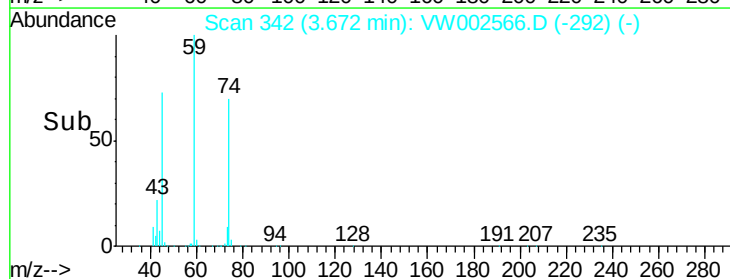
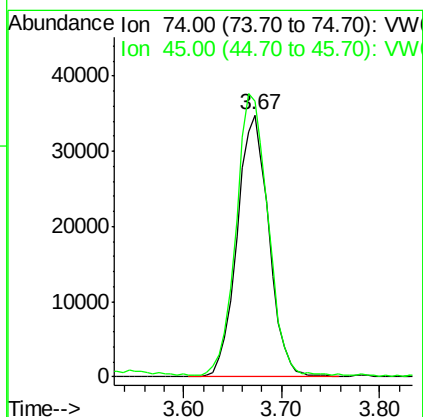
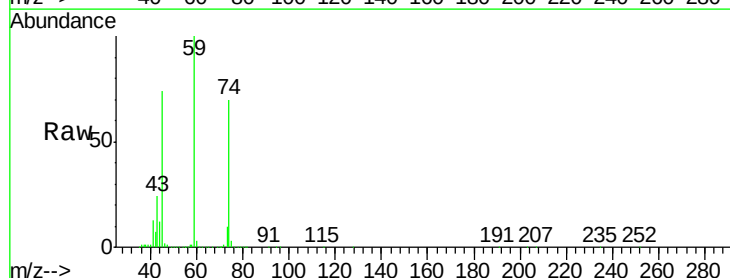
apatel
5/16/2018 12:27:02 PM

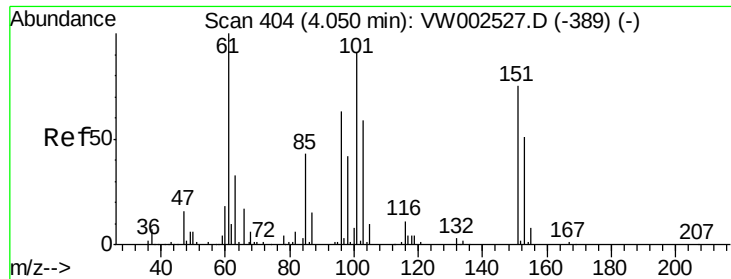


#8

Diethyl Ether
Concen: 61.97 ug/l
RT: 3.67 min Scan# 342
Delta R.T. 0.01 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.1	52.3	156.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.47 ug/l

RT: 4.04 min Scan# 402

Delta R.T. -0.01 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

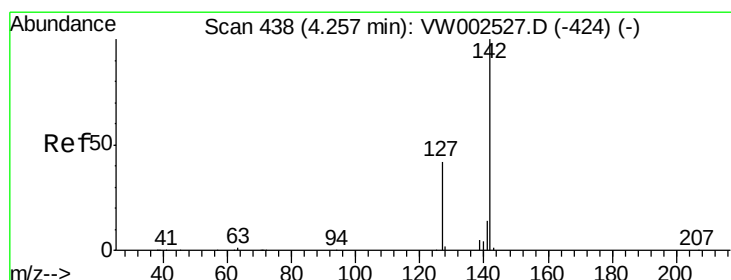
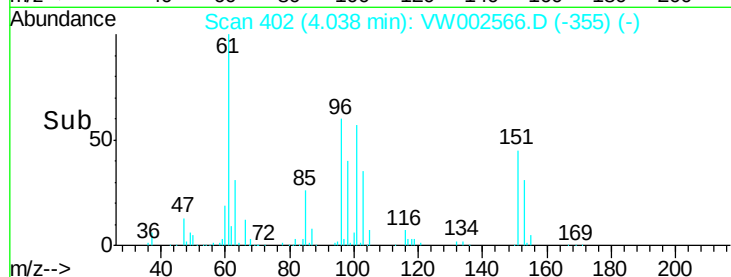
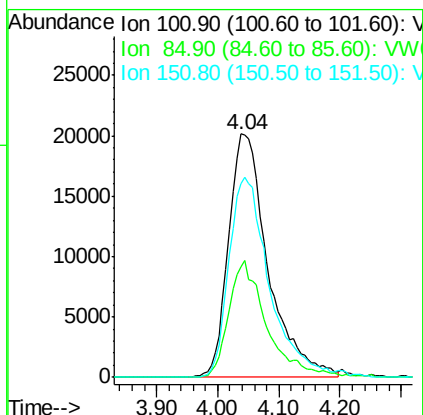
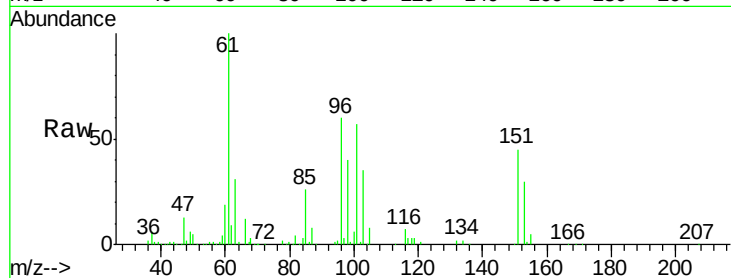
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	90218
Ion Ratio	Lower	Upper	
101	100		
85	46.0	36.5	54.7
151	83.7	66.7	100.1

Manual Integrations
APPROVED

apatel
5/16/2018 12:27:02 PM



#10

Methyl Iodide

Concen: 52.00 ug/l

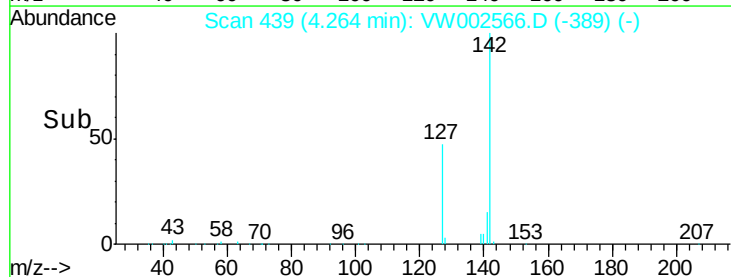
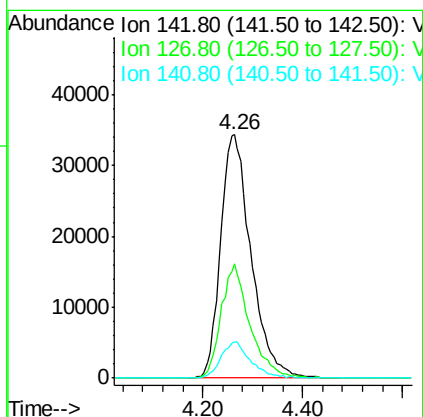
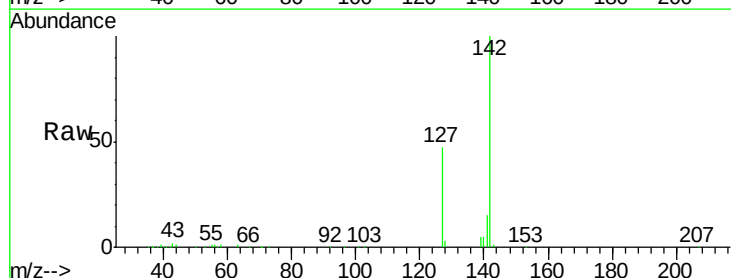
RT: 4.26 min Scan# 439

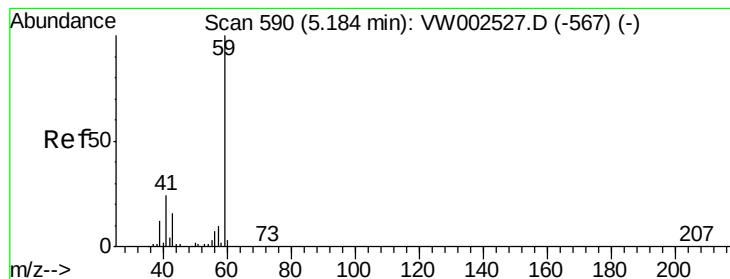
Delta R.T. 0.01 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Tgt Ion:	142	Resp:	145271
Ion Ratio	Lower	Upper	
142	100		
127	43.9	34.6	52.0
141	14.7	11.8	17.8





#11

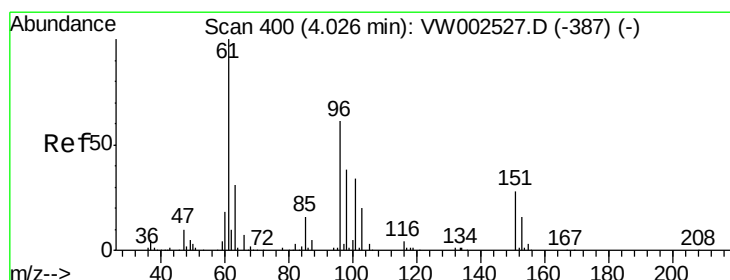
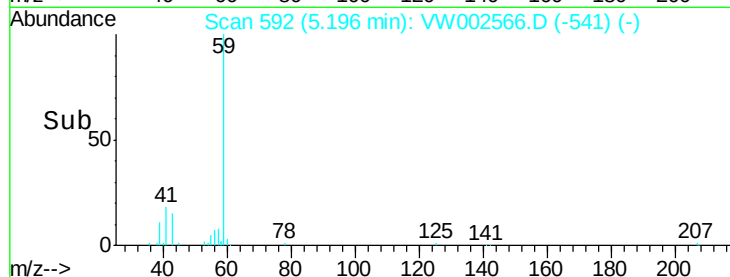
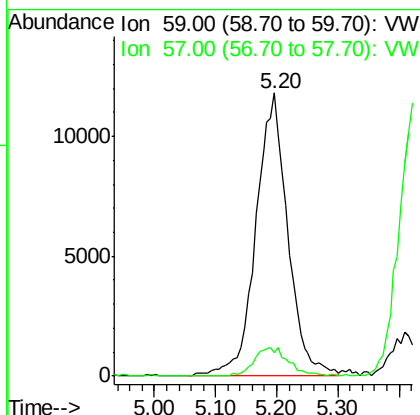
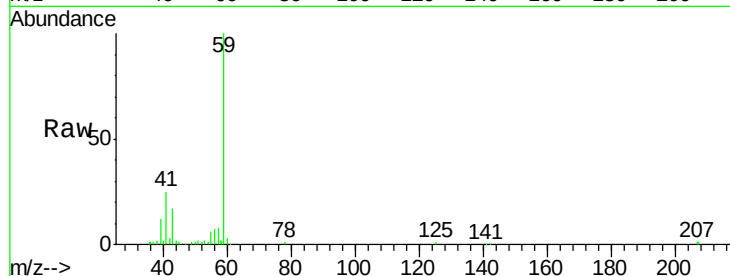
Tert butyl alcohol
Concen: 260.37 ug/l
RT: 5.20 min Scan# 592
Delta R.T. 0.01 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	59	Resp	42909
Ion Ratio	100	Lower	Upper
57	10.9	8.2	12.4

Manual Integrations
APPROVED

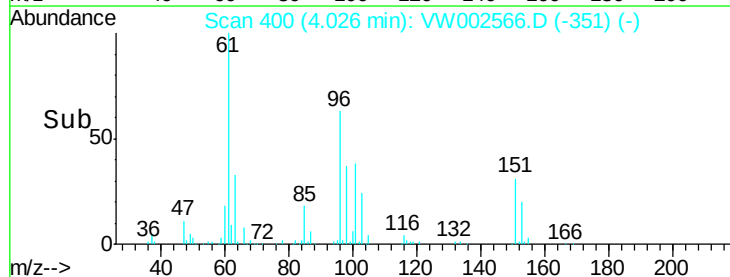
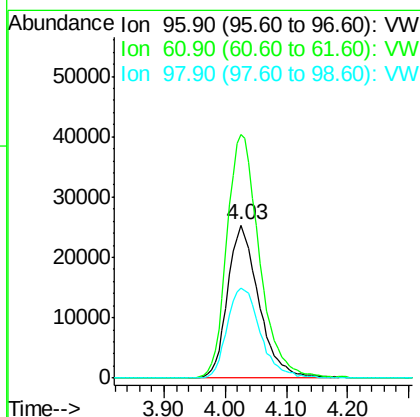
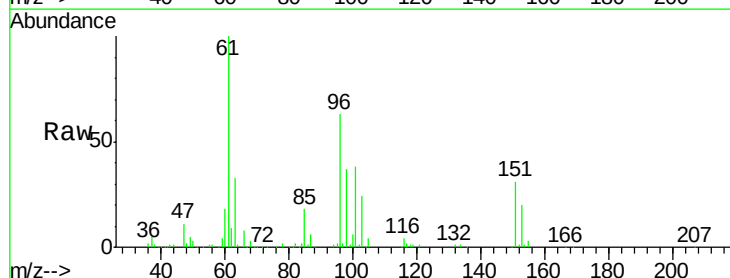
apatel
5/16/2018 12:27:02 PM

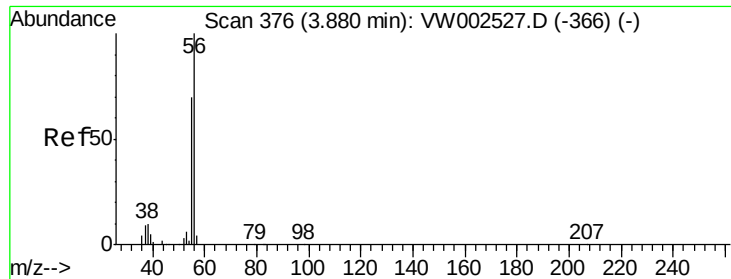


#12

1,1-Dichloroethene
Concen: 51.59 ug/l
RT: 4.03 min Scan# 400
Delta R.T. 0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion	96	Resp	89515
Ion Ratio	100	Lower	Upper
61	158.9	132.2	198.2
98	58.5	50.6	76.0





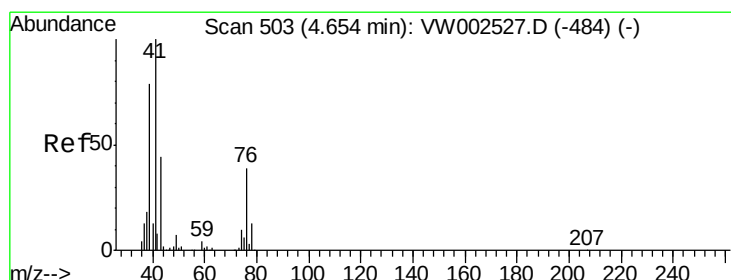
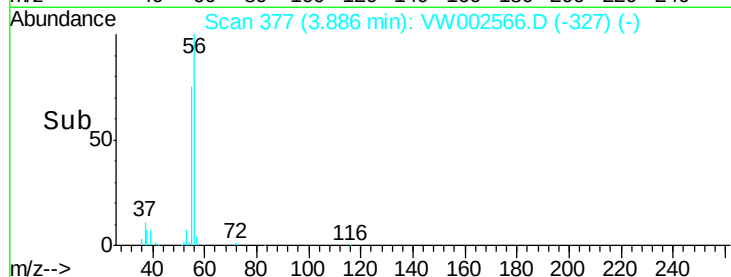
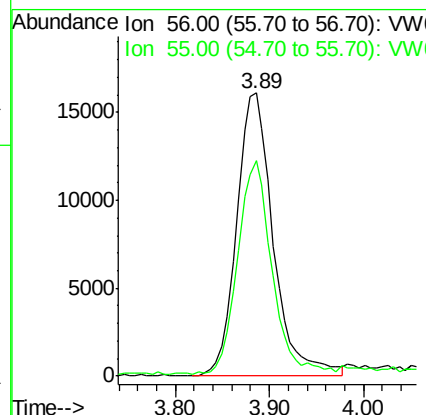
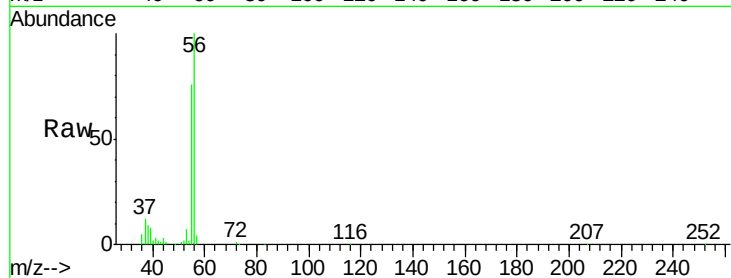
#13
 Acrolein
 Concen: 267.82 ug/l
 RT: 3.89 min Scan# 377
 Delta R.T. 0.01 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	56	Resp	43482
Ion Ratio	100	Lower	Upper
55	70.6	57.0	85.4

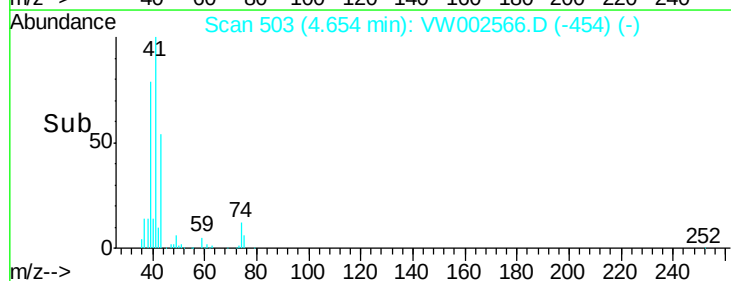
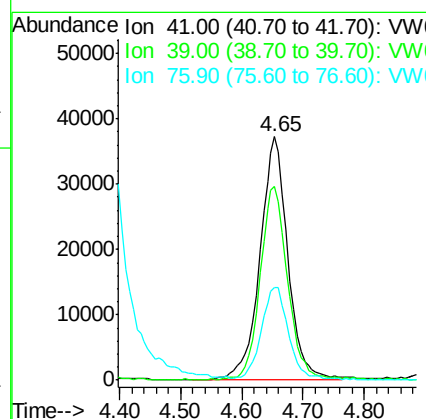
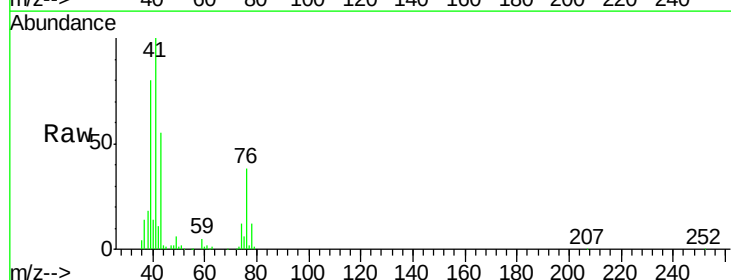
Manual Integrations
 APPROVED

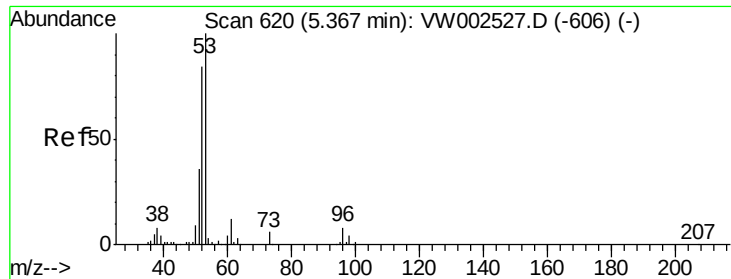
apatel
 5/16/2018 12:27:02 PM



#14
 Allyl chloride
 Concen: 45.81 ug/l
 RT: 4.65 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Tgt Ion	41	Resp	117956
Ion Ratio	100	Lower	Upper
39	77.6	61.4	92.2
76	37.3	29.6	44.4





#15

Acrylonitrile

Concen: 282.29 ug/l

RT: 5.37 min Scan# 620

Delta R.T. -0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

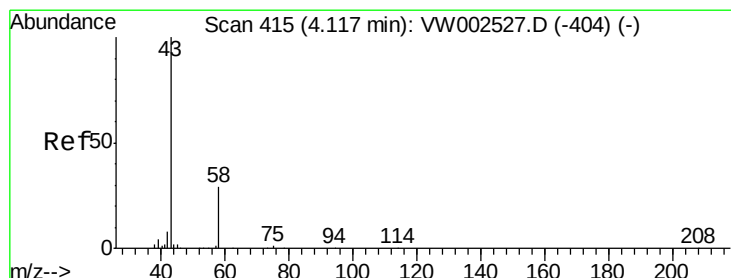
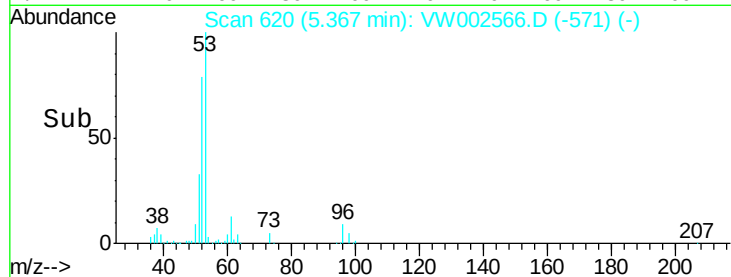
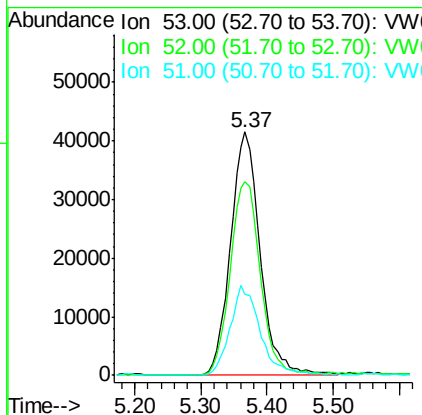
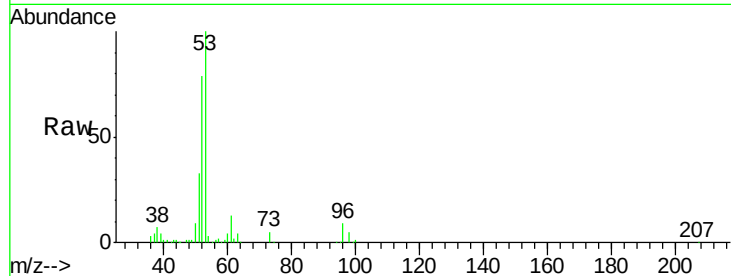
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	128901
Ion Ratio	Lower	Upper	
53	100		
52	81.3	66.6	100.0
51	37.7	30.6	46.0

Manual Integrations
APPROVED

apatel
5/16/2018 12:27:02 PM



#16

Acetone

Concen: 240.80 ug/l

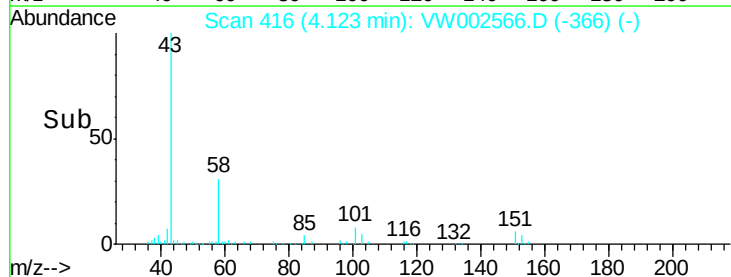
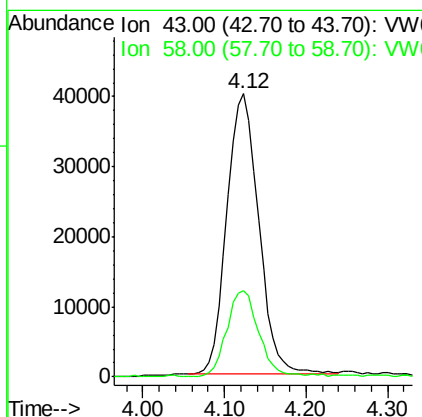
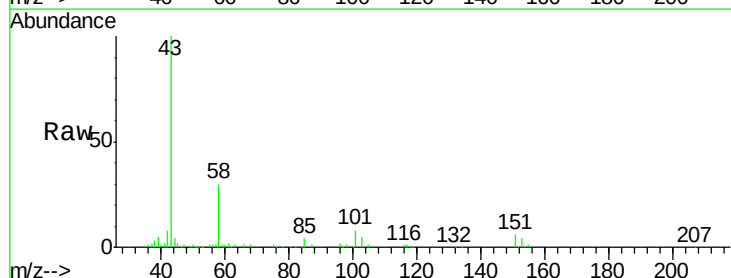
RT: 4.12 min Scan# 416

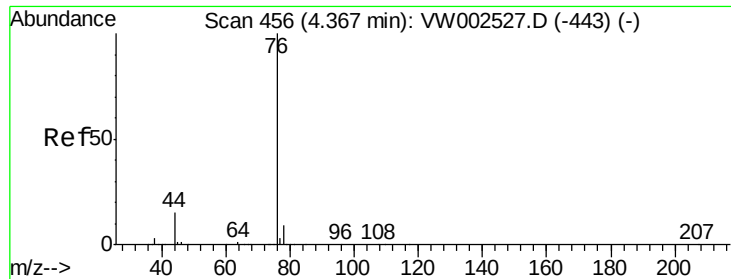
Delta R.T. 0.01 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Tgt Ion:	43	Resp:	108990
Ion Ratio	Lower	Upper	
43	100		
58	30.2	23.4	35.0





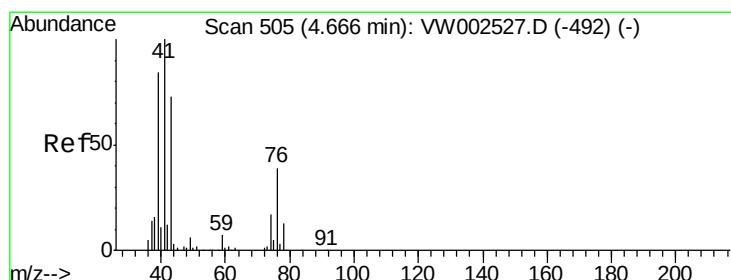
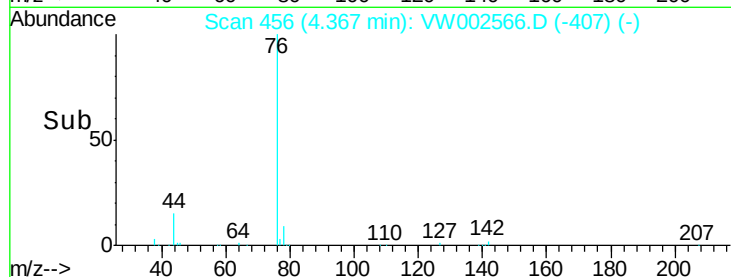
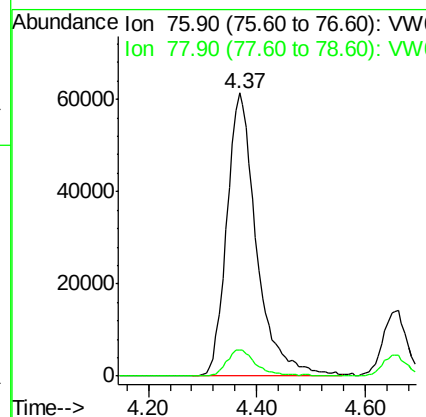
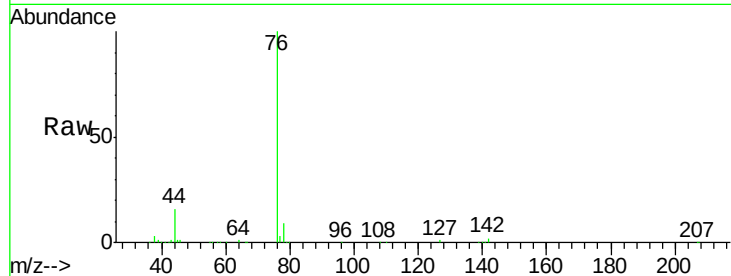
#17
Carbon Disulfide
Concen: 48.98 ug/l
RT: 4.37 min Scan# 456
Delta R.T. 0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.5	11.3

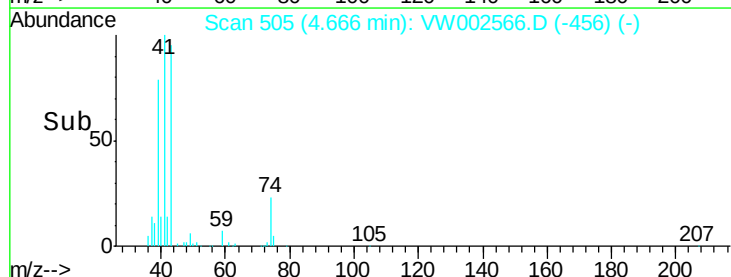
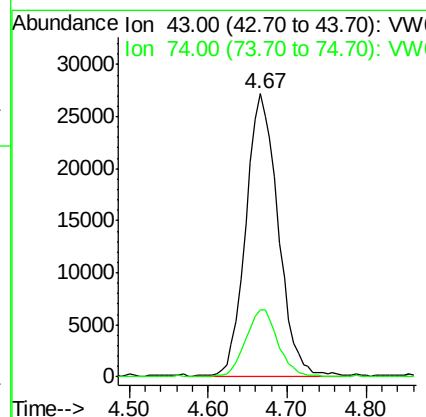
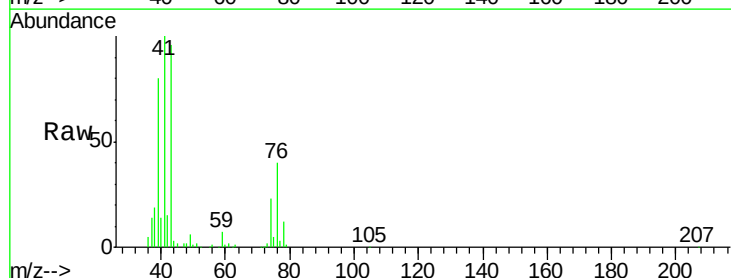
Manual Integrations
APPROVED

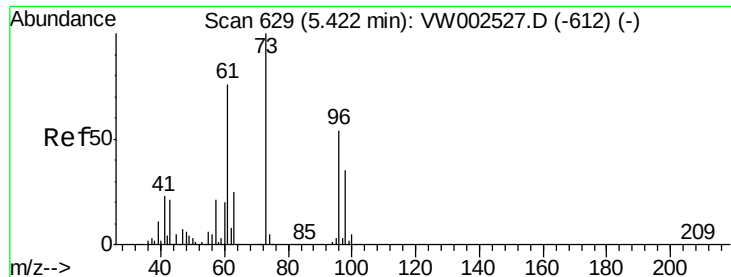
apatel
5/16/2018 12:27:02 PM



#18
Methyl Acetate
Concen: 58.35 ug/l
RT: 4.67 min Scan# 505
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.2	28.8





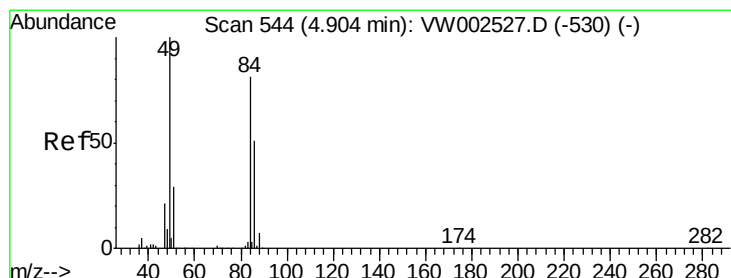
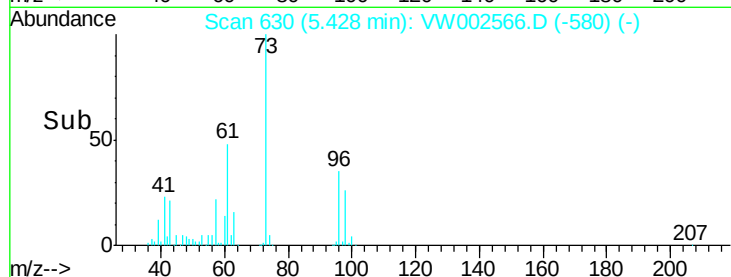
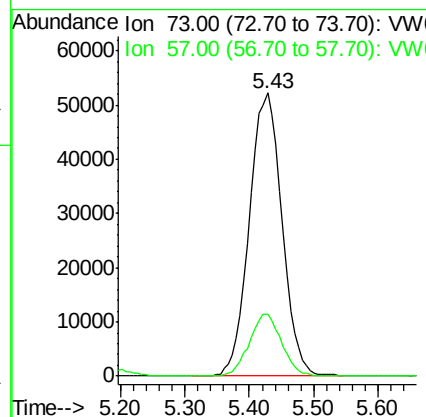
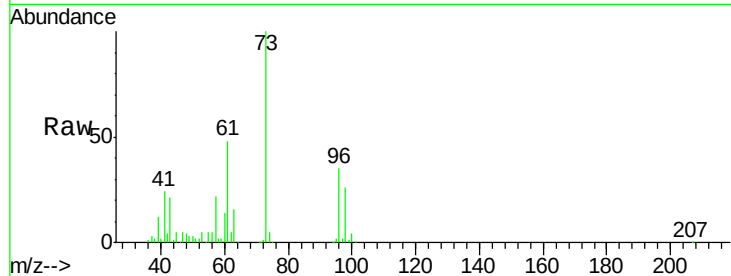
#19
Methyl tert-butyl Ether
Concen: 57.24 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.01 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.0	25.6

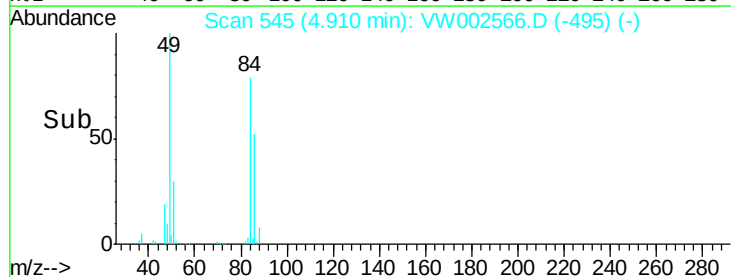
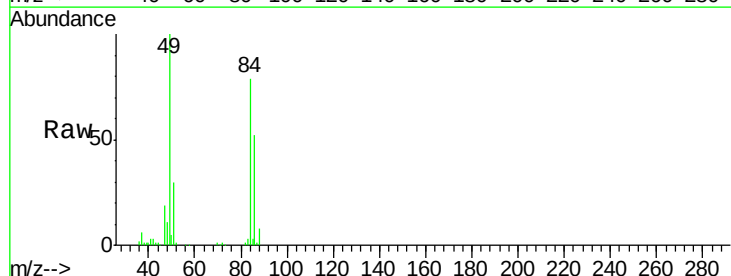
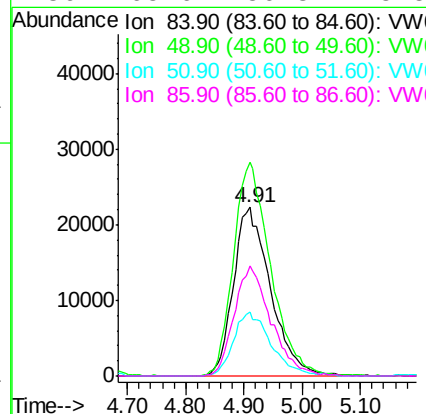
Manual Integrations
APPROVED

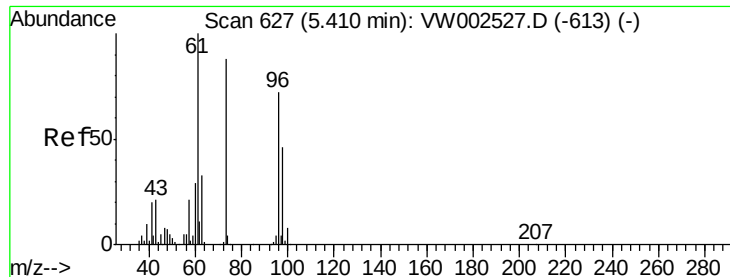
apatel
5/16/2018 12:27:02 PM



#20
Methylene Chloride
Concen: 54.91 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.01 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.8	99.4	149.0
51	38.1	29.0	43.6
86	65.6	50.3	75.5





#21

trans-1,2-Dichloroethene

Concen: 51.80 ug/l

RT: 5.40 min Scan# 626

Delta R.T. -0.01 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

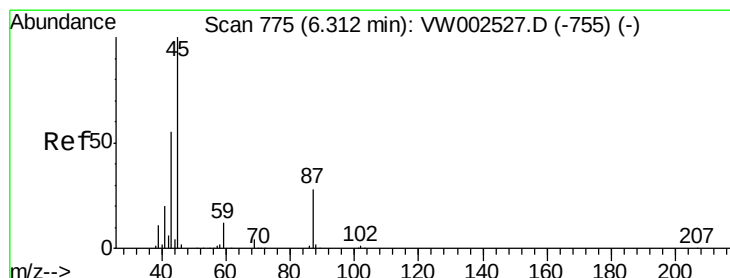
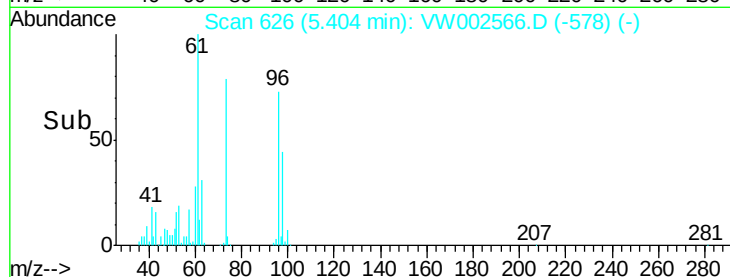
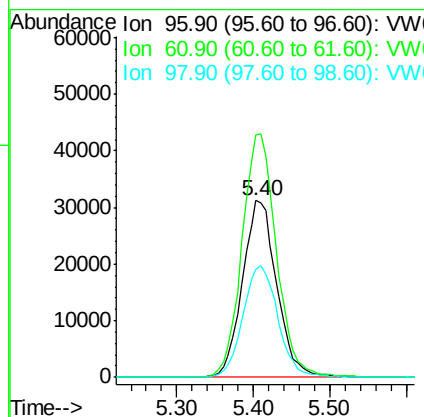
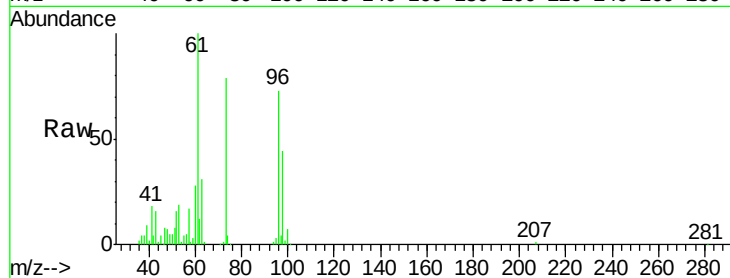
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	97165
Ion	Ratio	Lower	Upper
96	100		
61	137.5	111.6	167.4
98	61.1	51.7	77.5

Manual Integrations
APPROVED

apatel
5/16/2018 12:27:02 PM



#22

Diisopropyl ether

Concen: 53.30 ug/l

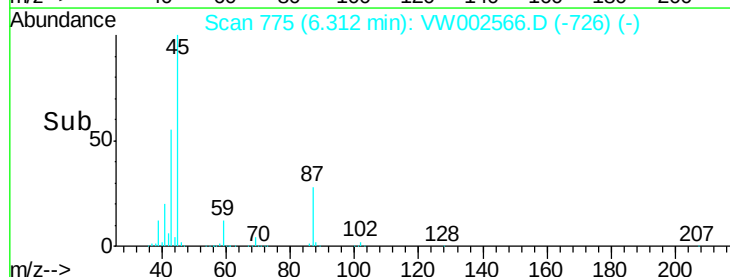
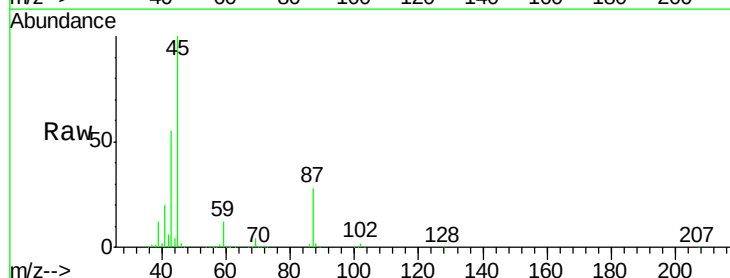
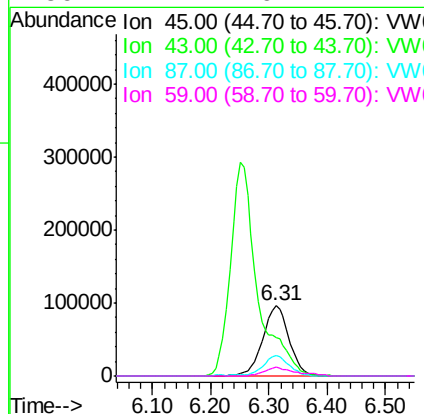
RT: 6.31 min Scan# 775

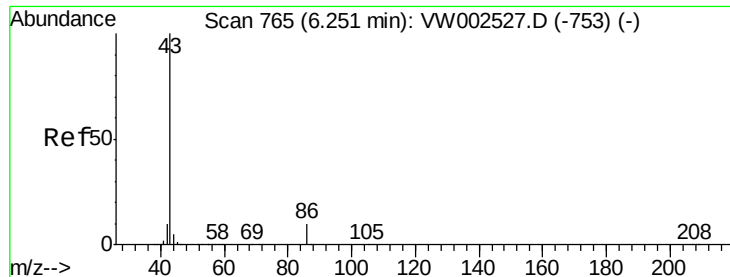
Delta R.T. -0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Tgt Ion:	45	Resp:	304048
Ion	Ratio	Lower	Upper
45	100		
43	55.4	44.4	66.6
87	28.4	23.0	34.4
59	12.4	9.4	14.2





#23

Vinyl Acetate

Concen: 273.35 ug/l

RT: 6.25 min Scan# 765

Delta R.T. -0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 944956

Ion Ratio Lower Upper

43 100

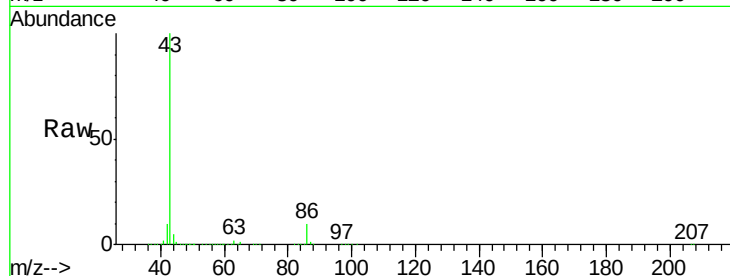
86 10.2 7.9 11.9

Manual Integrations

APPROVED

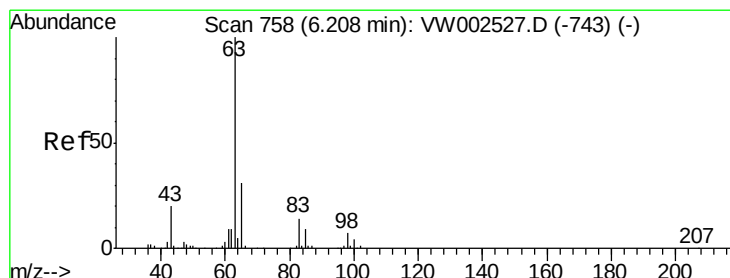
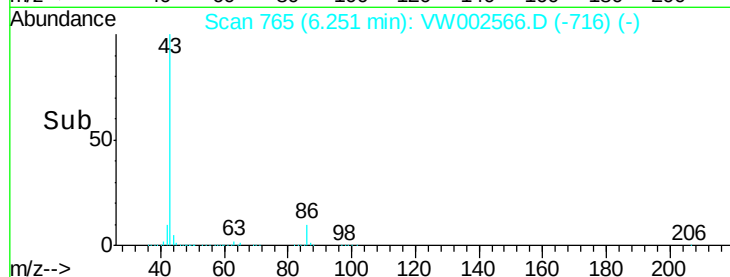
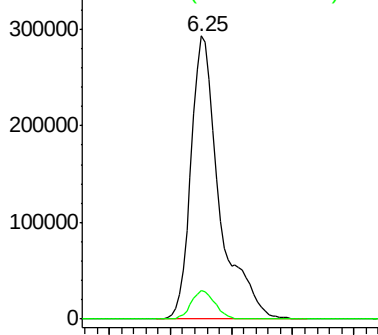
apatel

5/16/2018 12:27:02 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: 52.75 ug/l

RT: 6.21 min Scan# 758

Delta R.T. 0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

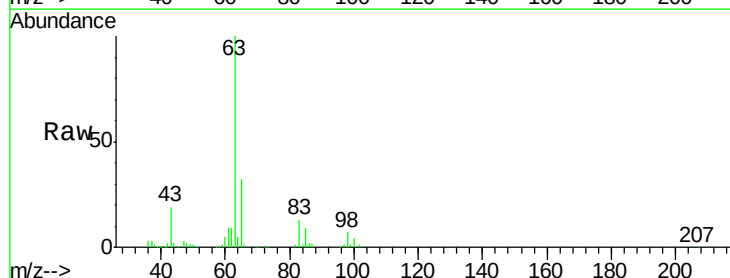
Tgt Ion: 63 Resp: 181356

Ion Ratio Lower Upper

63 100

98 6.6 3.6 10.9

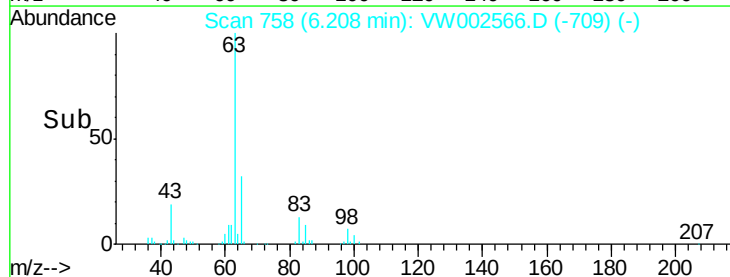
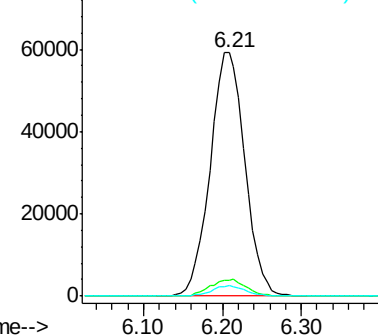
100 4.2 2.1 6.5

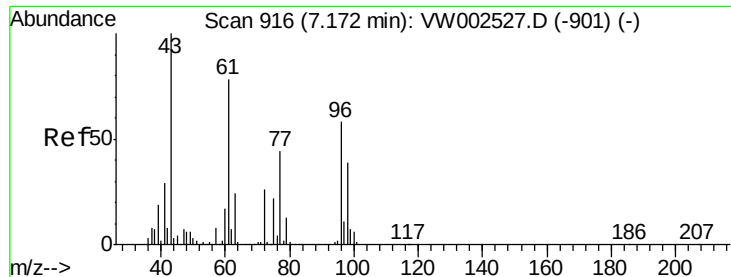


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 282.71 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 180947

Ion Ratio Lower Upper

43 100

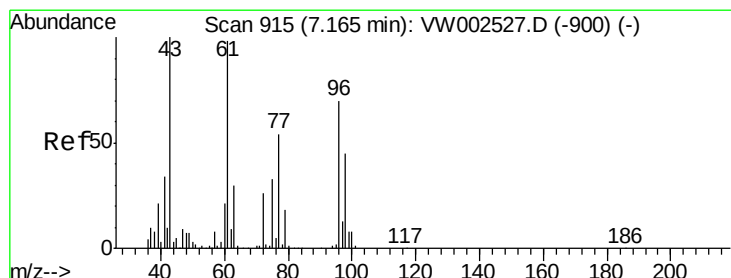
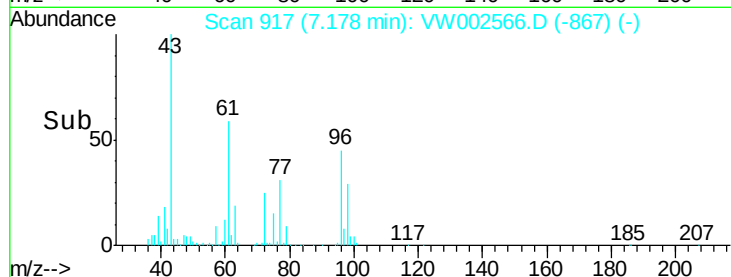
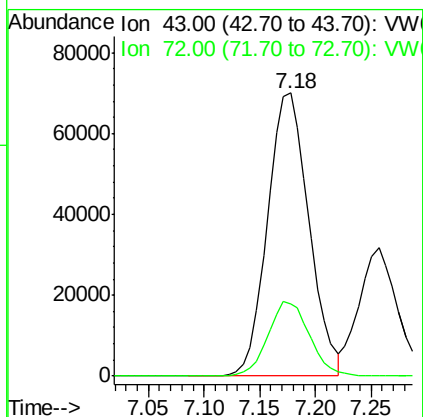
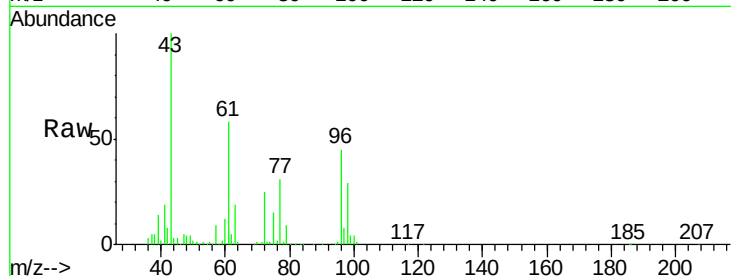
72 25.5 20.9 31.3

Manual Integrations

APPROVED

apatel

5/16/2018 12:27:02 PM



#26

2,2-Dichloropropane

Concen: 43.62 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW002566.D

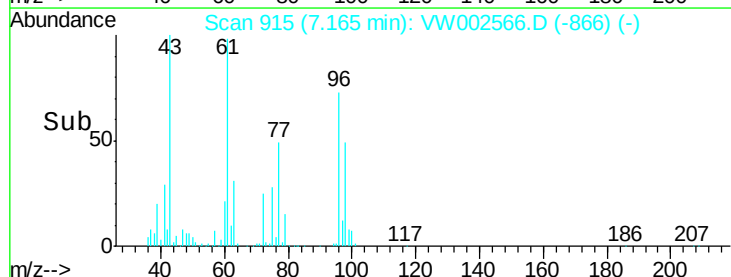
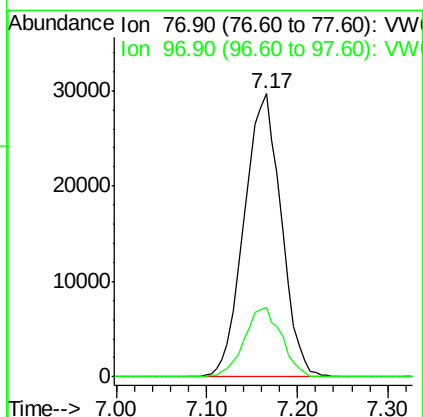
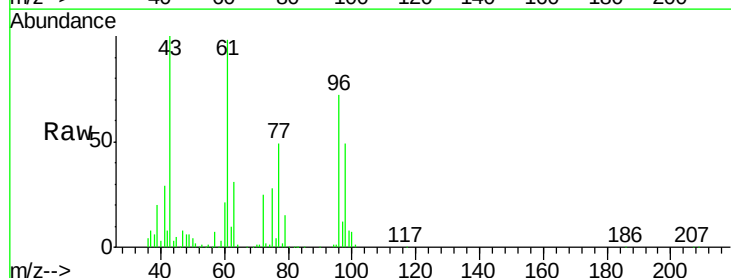
Acq: 15 May 2018 23:16

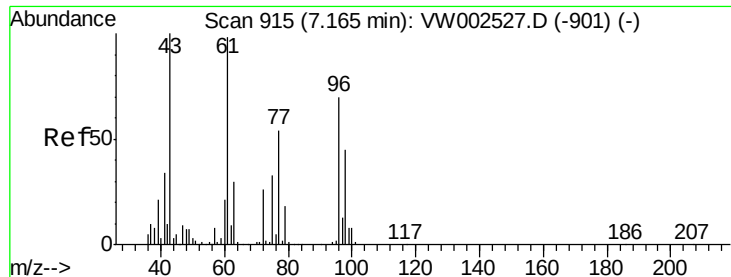
Tgt Ion: 77 Resp: 84028

Ion Ratio Lower Upper

77 100

97 24.6 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 52.72 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

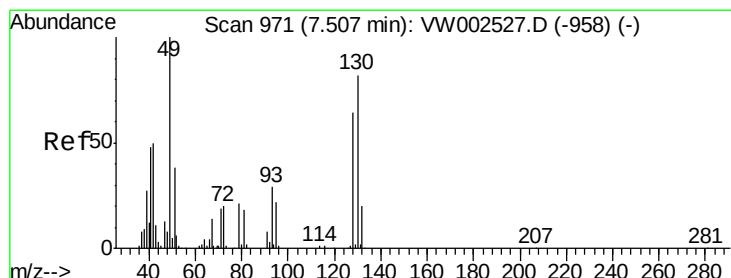
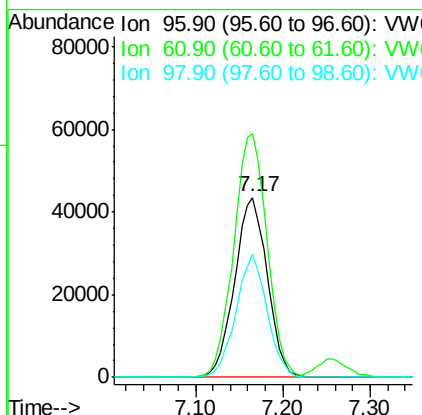
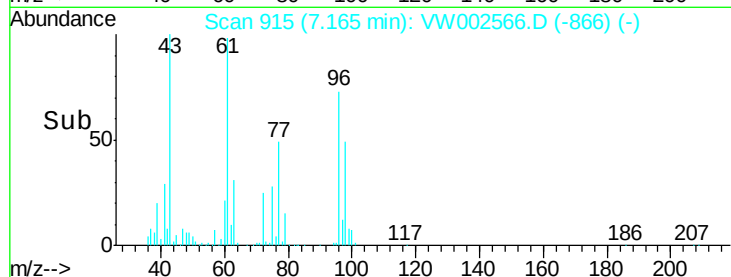
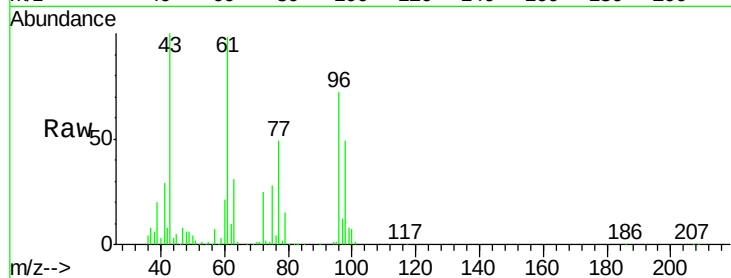
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	112826
Ion	Ratio	Lower	Upper
96	100		
61	138.3	0.0	281.6
98	65.2	0.0	130.8

Manual Integrations
APPROVED

apatel
5/16/2018 12:27:02 PM



#28

Bromochloromethane

Concen: 52.90 ug/l

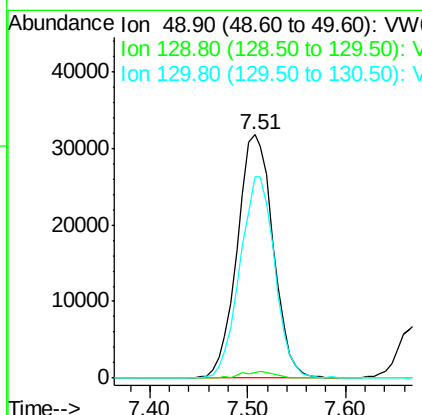
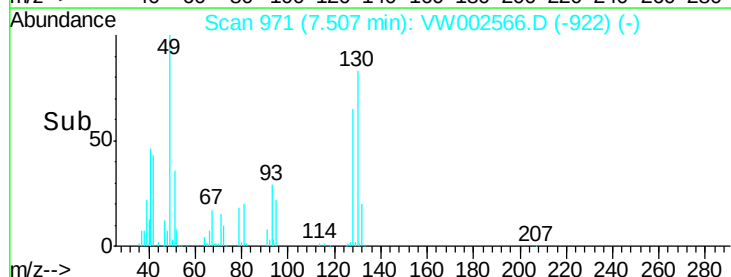
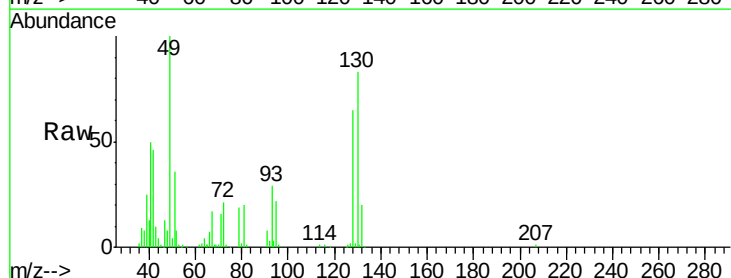
RT: 7.51 min Scan# 971

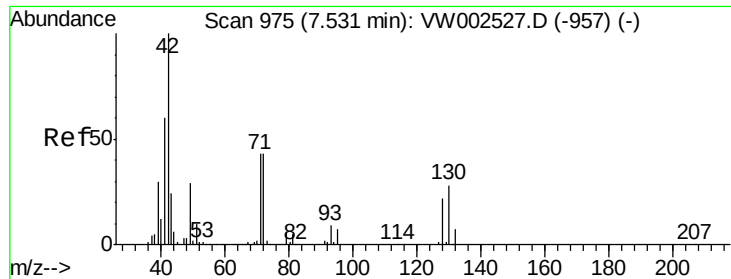
Delta R.T. 0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Tgt Ion:	49	Resp:	81171
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	80.4	64.7	97.1





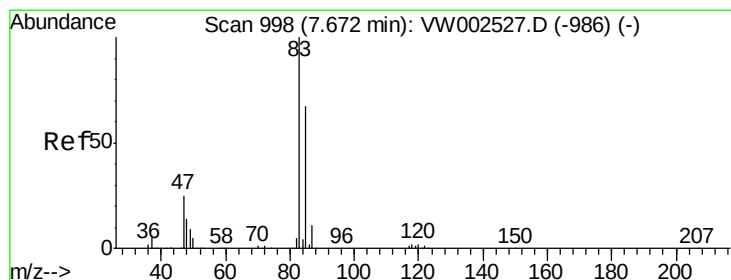
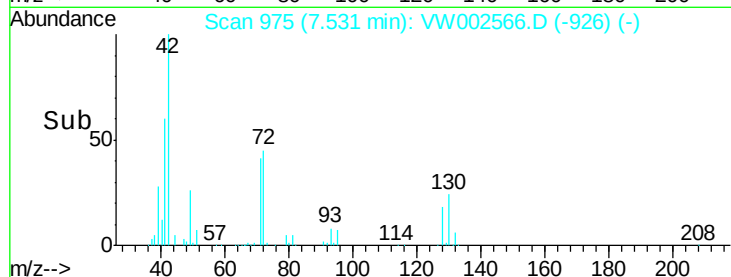
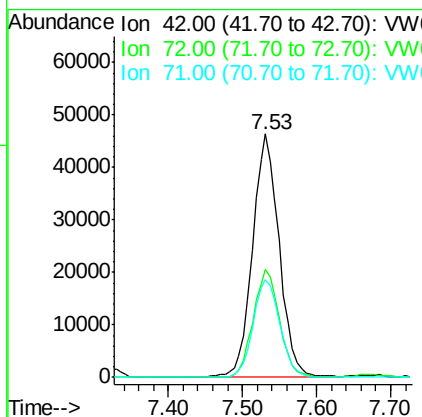
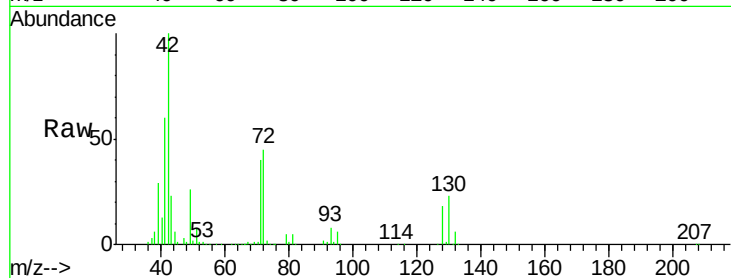
#29
Tetrahydrofuran
Concen: 290.90 ug/l
RT: 7.53 min Scan# 975
Delta R.T. 0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.0	52.4
71	40.5	33.0	49.6

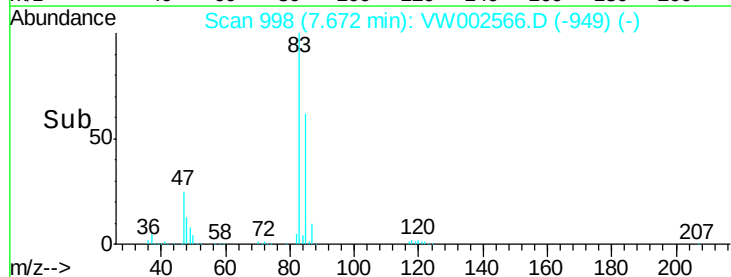
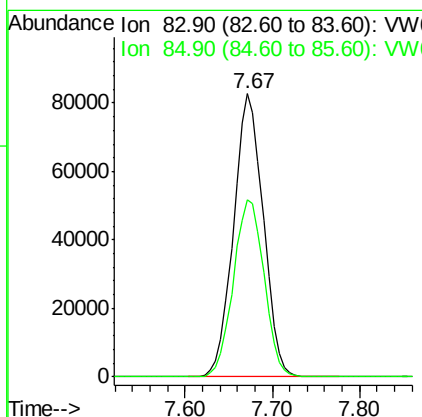
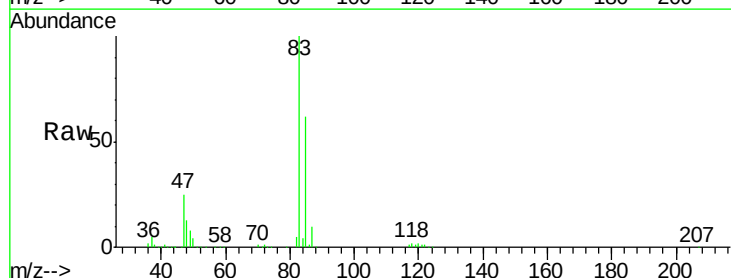
Manual Integrations
APPROVED

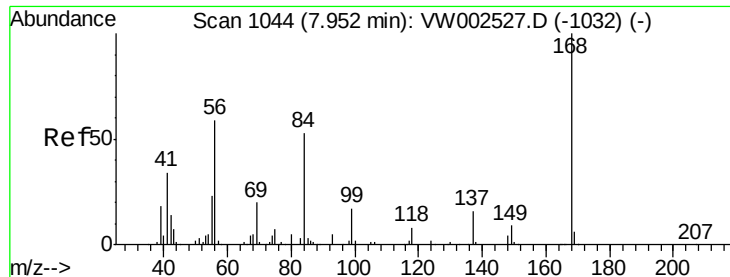
apatel
5/16/2018 12:27:02 PM



#30
Chloroform
Concen: 53.28 ug/l
RT: 7.67 min Scan# 998
Delta R.T. 0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	53.9	80.9





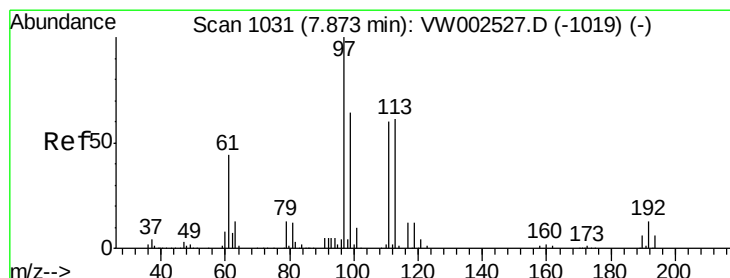
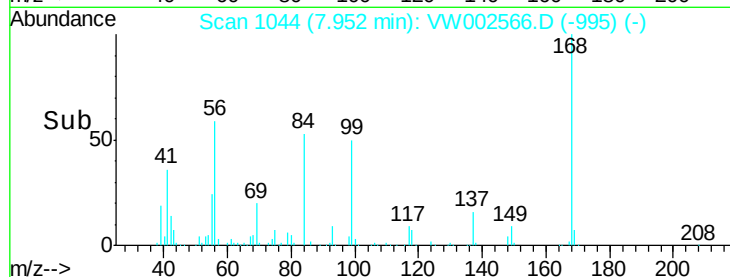
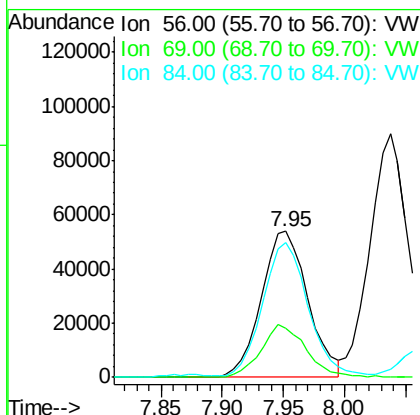
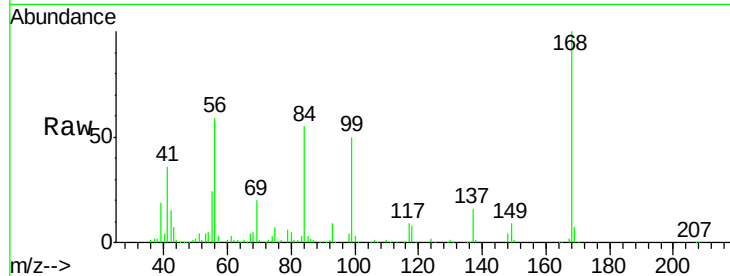
#31
Cyclohexane
Concen: 46.96 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.7	27.0	40.4
84	91.0	72.2	108.2

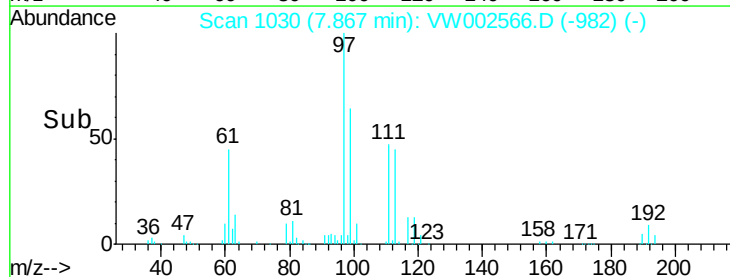
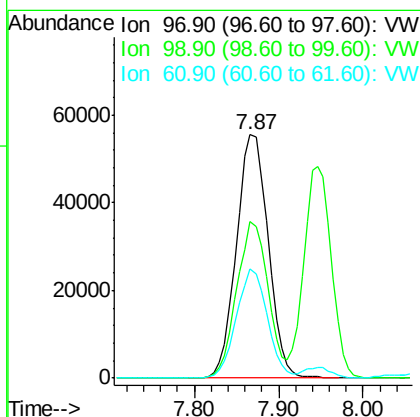
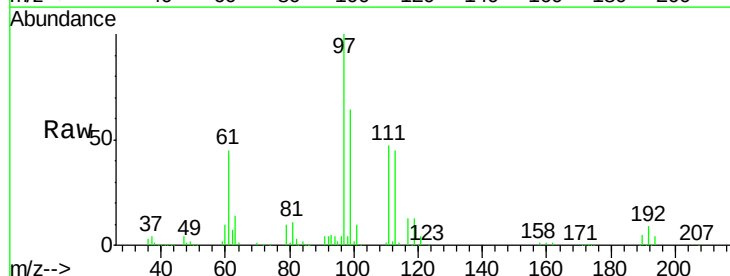
Manual Integrations
APPROVED

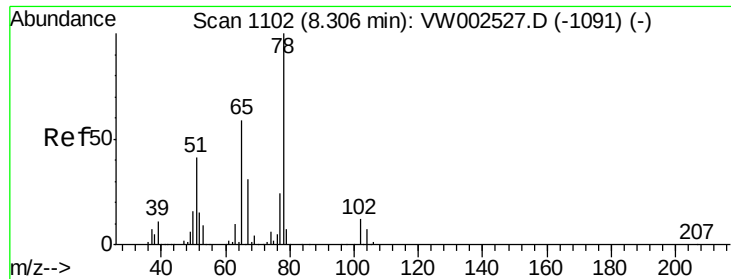
apatel
5/16/2018 12:27:02 PM



#32
1,1,1-Trichloroethane
Concen: 51.05 ug/l
RT: 7.87 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.1	76.7
61	44.0	35.9	53.9





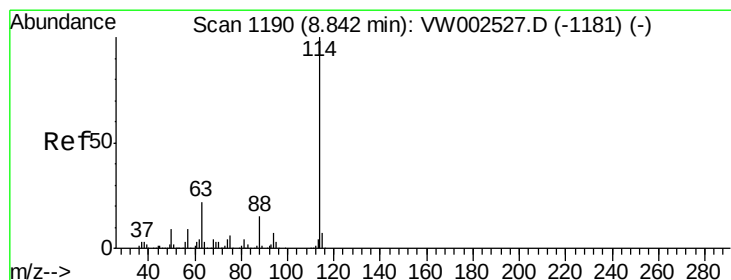
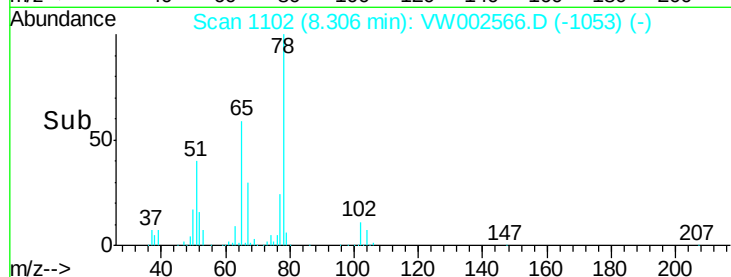
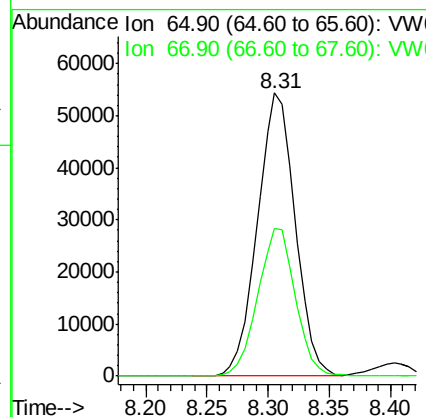
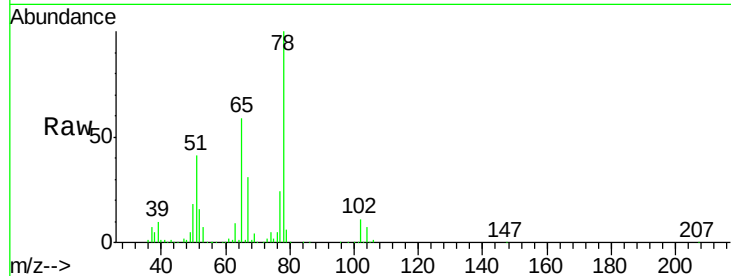
#33
 1,2-Dichloroethane-d4
 Concen: 54.43 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.1	0.0	104.4	

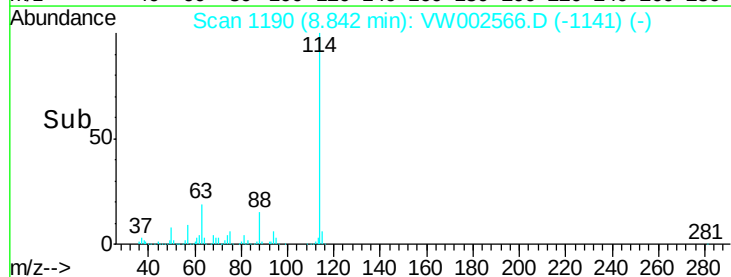
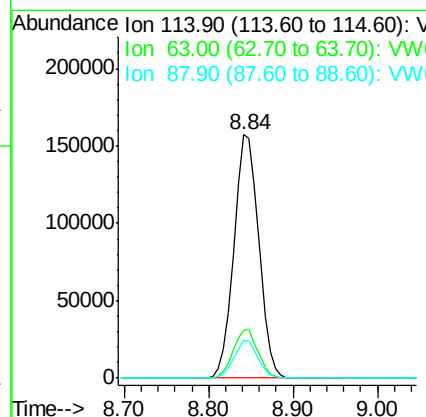
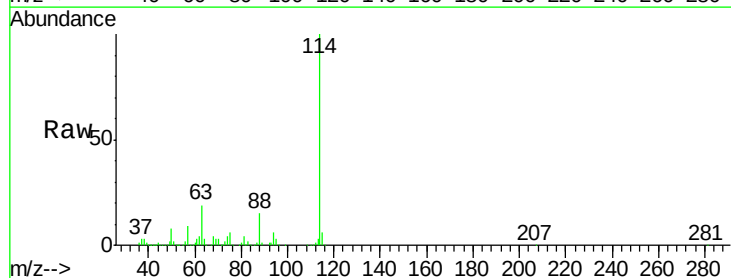
Manual Integrations
 APPROVED

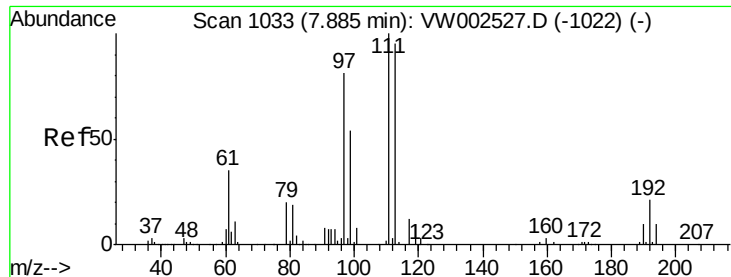
apatel
 5/16/2018 12:27:02 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.5	0.0	43.2	
88	15.4	0.0	29.2	





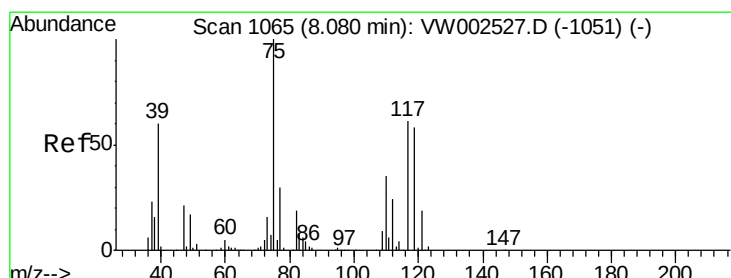
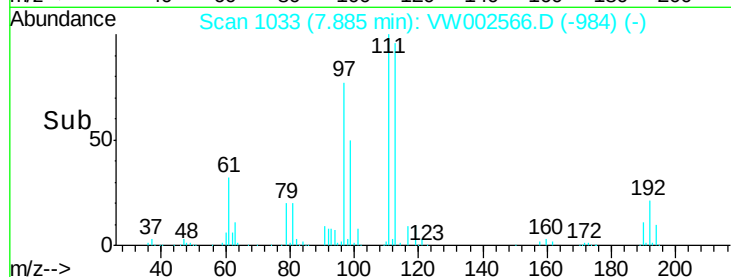
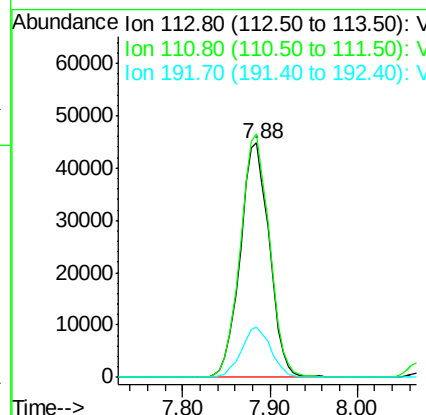
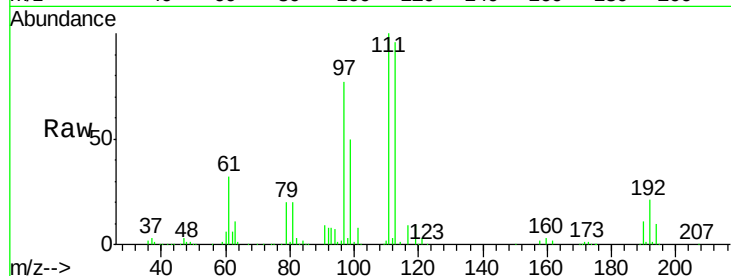
#35
 Dibromofluoromethane
 Concen: 52.24 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	104042		
111	103.5	81.8	122.8	
192	21.7	17.5	26.3	

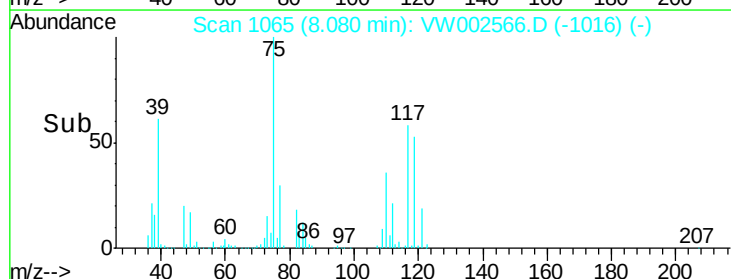
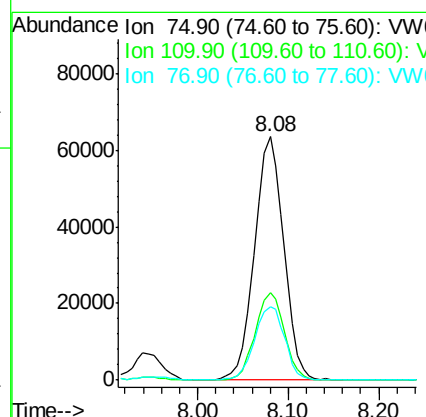
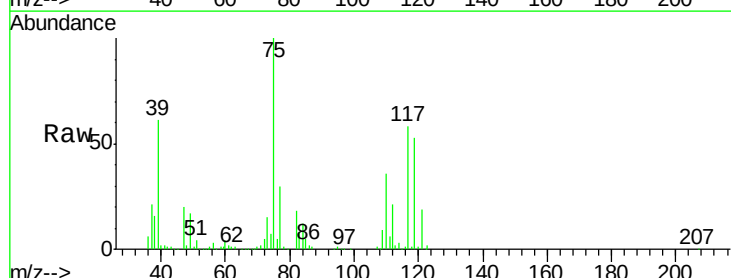
Manual Integrations
 APPROVED

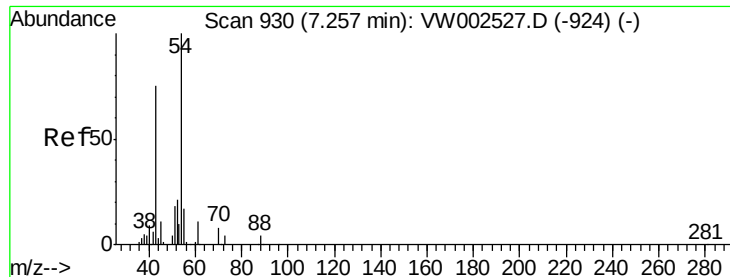
apatel
 5/16/2018 12:27:02 PM



#36
 1,1-Dichloropropene
 Concen: 51.28 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	142055		
110	35.8	17.8	53.5	
77	31.3	24.5	36.7	





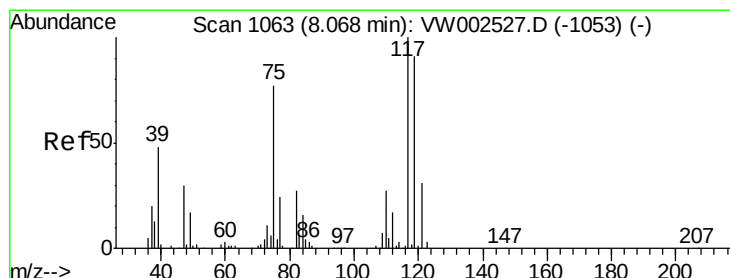
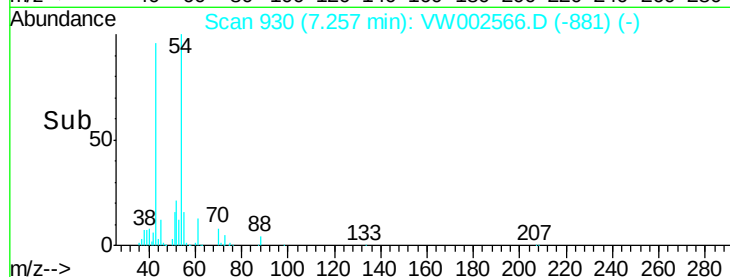
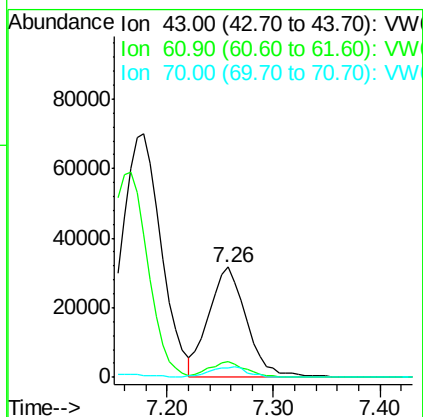
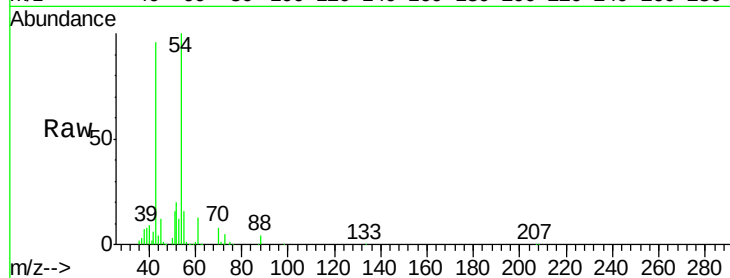
#37
Ethyl Acetate
Concen: 56.37 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.1	16.7
70	9.6	7.8	11.8

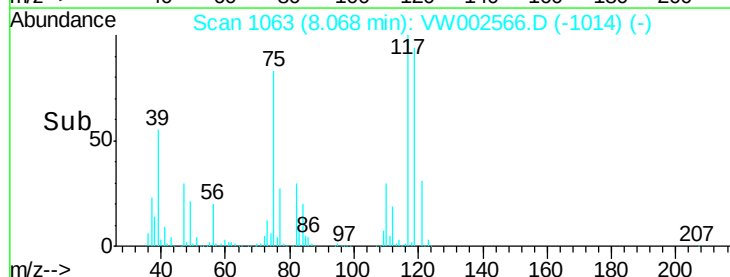
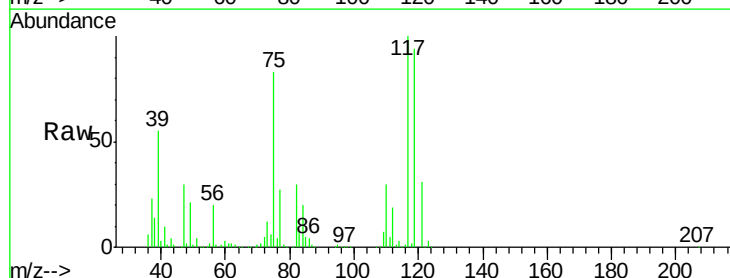
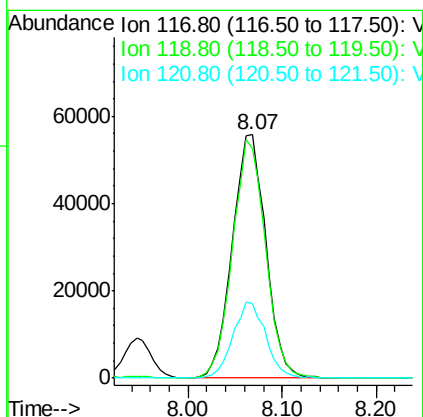
Manual Integrations
APPROVED

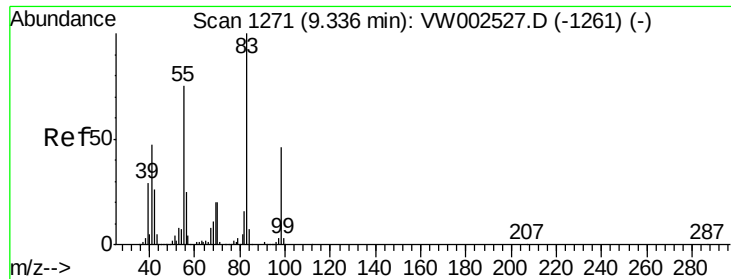
apatel
5/16/2018 12:27:02 PM



#38
Carbon Tetrachloride
Concen: 51.09 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	73.1	109.7
121	30.8	24.4	36.6





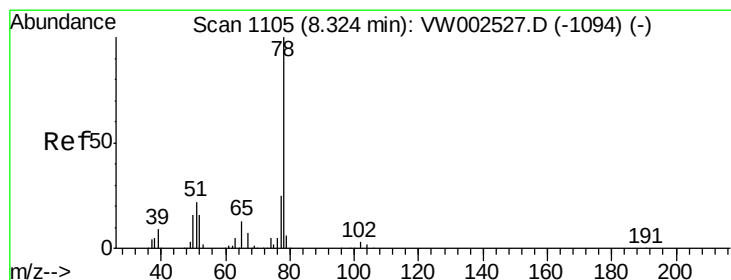
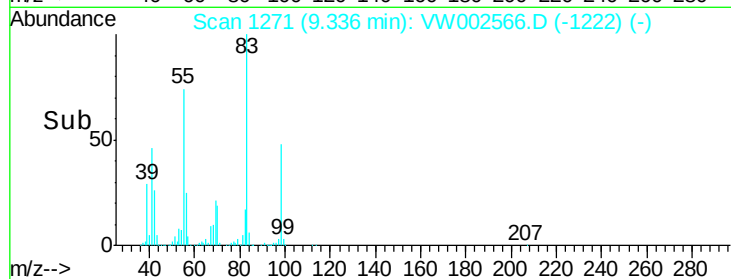
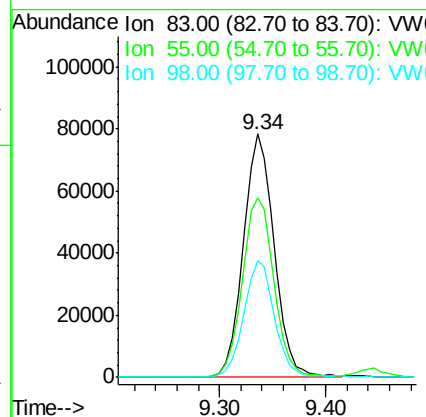
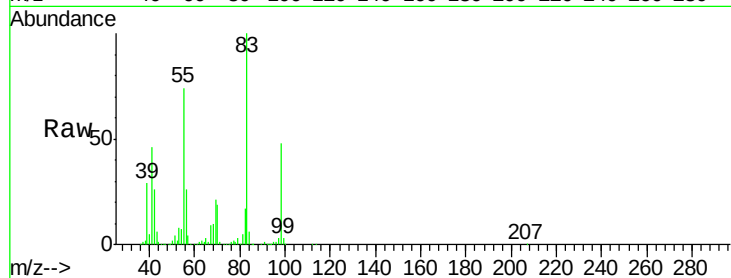
#39
Methylvlcyclohexane
Concen: 50.32 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	159682		
55	73.9		60.0	90.0
98	48.2		37.0	55.4

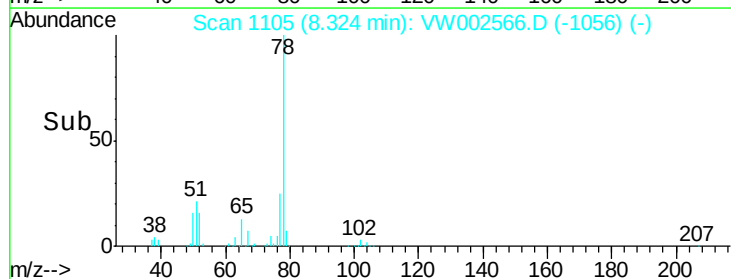
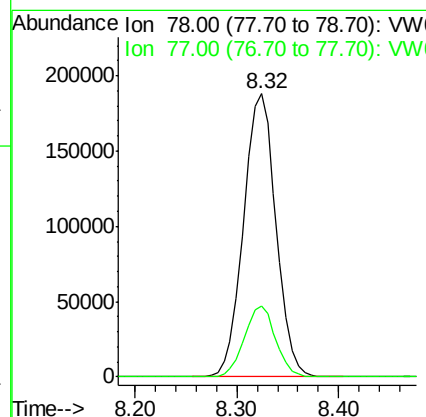
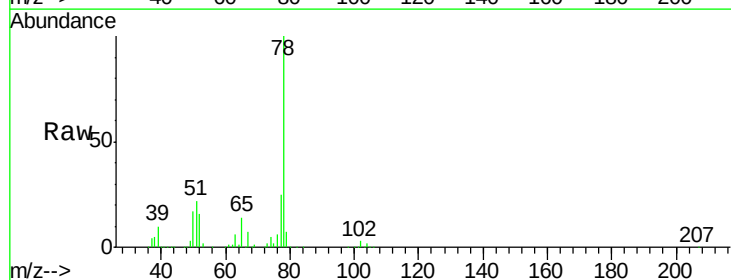
Manual Integrations
APPROVED

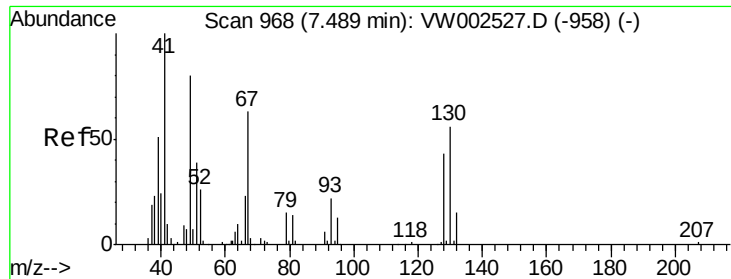
apatel
5/16/2018 12:27:02 PM



#40
Benzene
Concen: 52.06 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	414137		
77	24.9		19.9	29.9





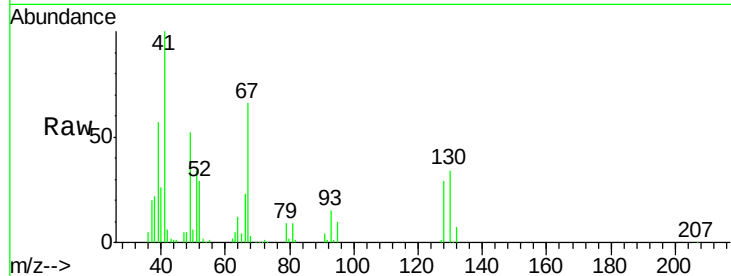
#41
Methacrylonitrile
Concen: 56.37 ug/l
RT: 7.48 min Scan# 967
Delta R.T. -0.01 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

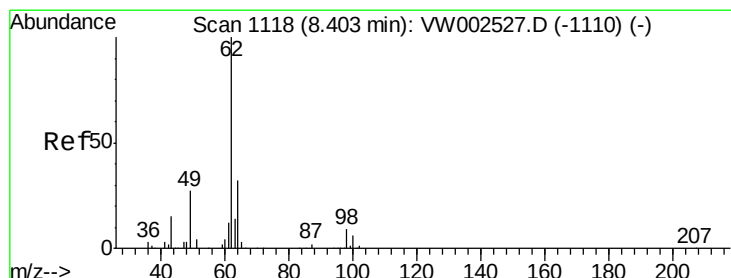
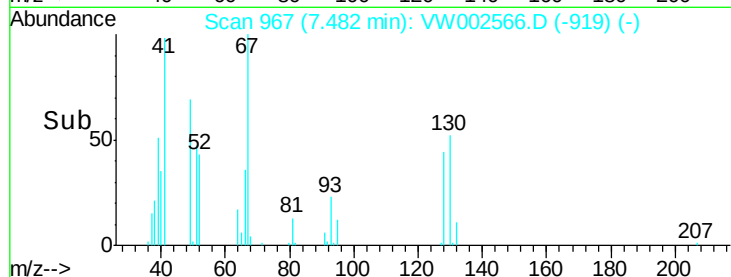
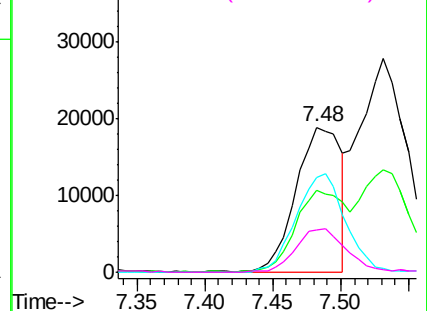
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	63.5	51.8	77.8	
67	74.5	59.9	89.9	
52	34.3	26.6	39.8	

Manual Integrations
APPROVED

apatel
5/16/2018 12:27:02 PM

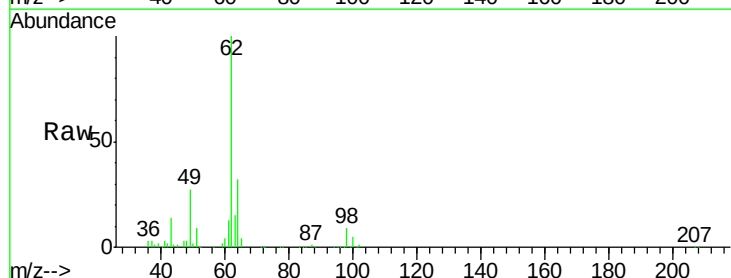


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

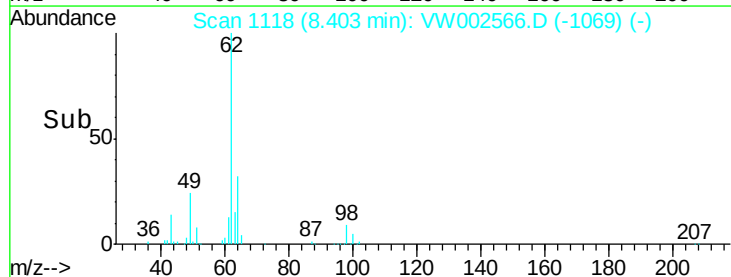
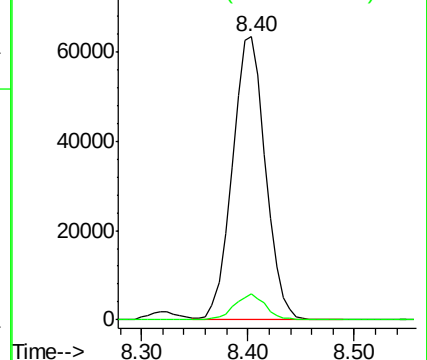


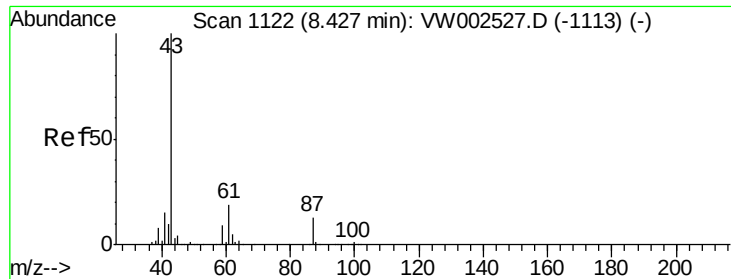
#42
1,2-Dichloroethane
Concen: 54.60 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	17.8	



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 55.68 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

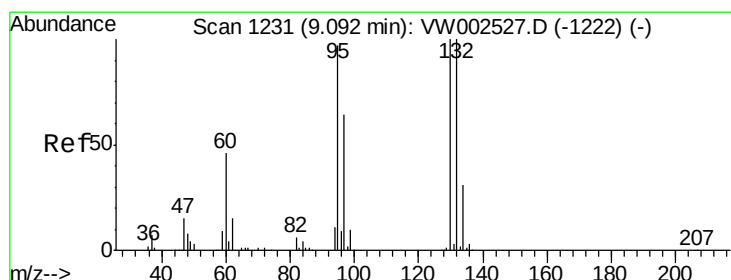
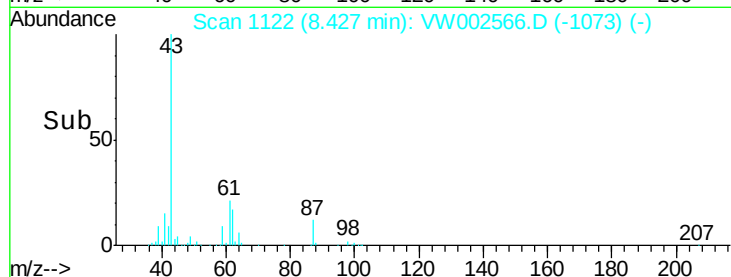
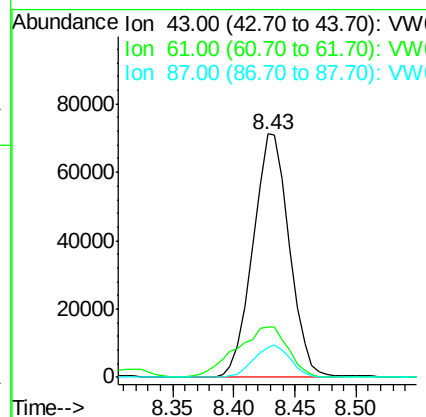
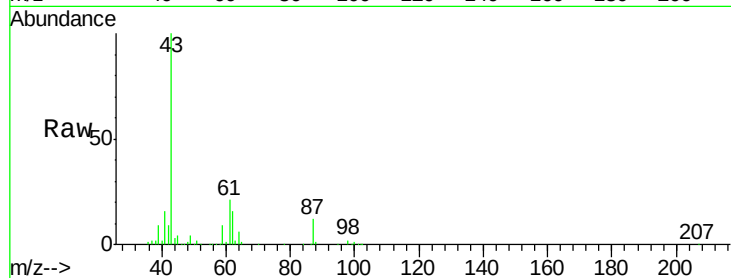
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	147157
Ion	Ratio	Lower	Upper
43	100		
61	29.6	23.0	34.6
87	13.3	10.6	15.8

Manual Integrations
APPROVED

apatel
5/16/2018 12:27:02 PM



#44

Trichloroethene

Concen: 51.95 ug/l

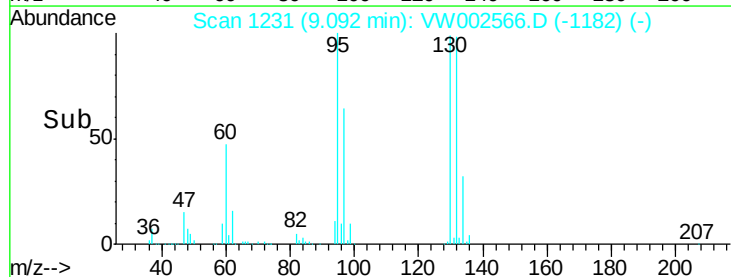
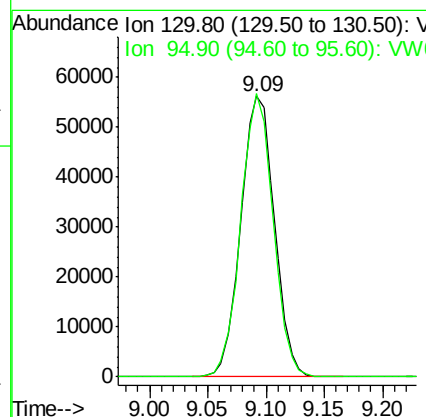
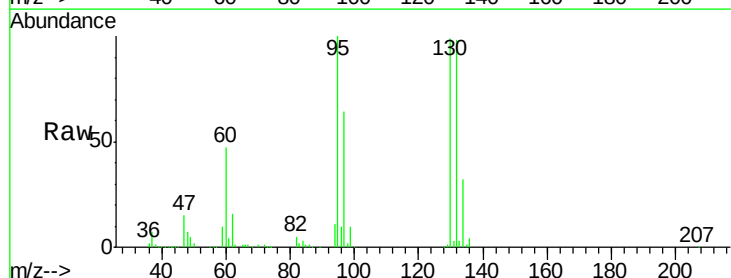
RT: 9.09 min Scan# 1231

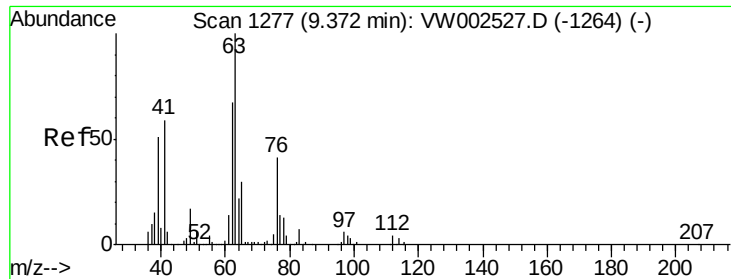
Delta R.T. -0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Tgt Ion:	130	Resp:	113244
Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	194.6





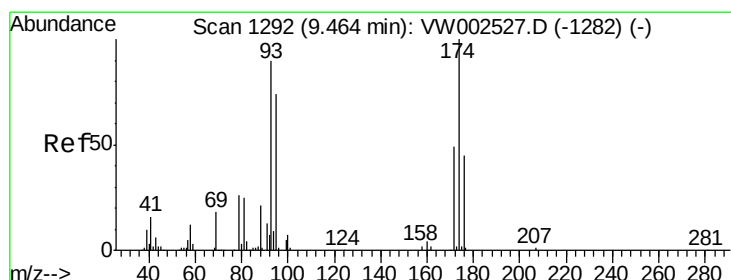
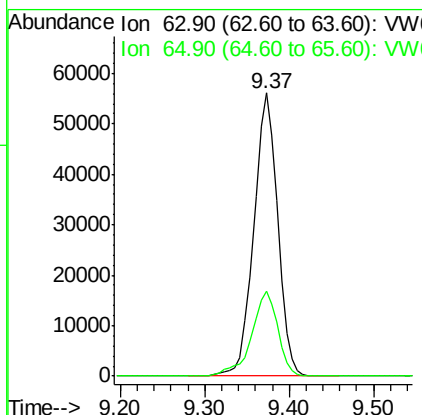
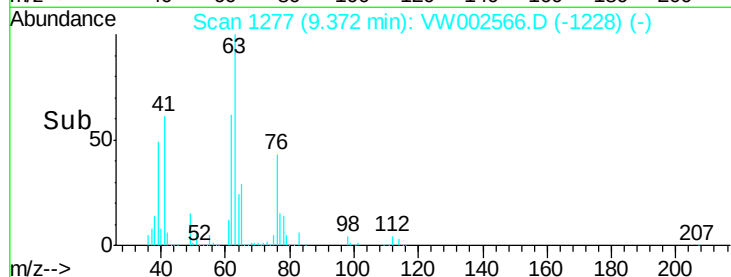
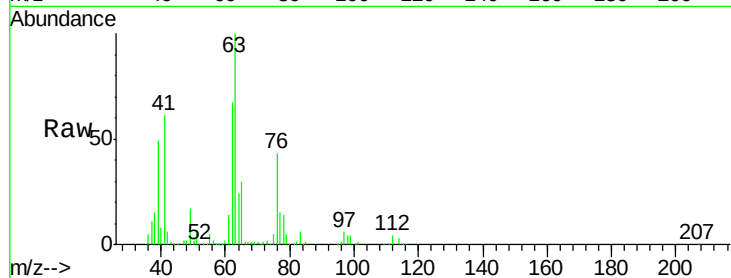
#45
 1,2-Dichloropropane
 Concen: 53.36 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 108147
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.4 36.6

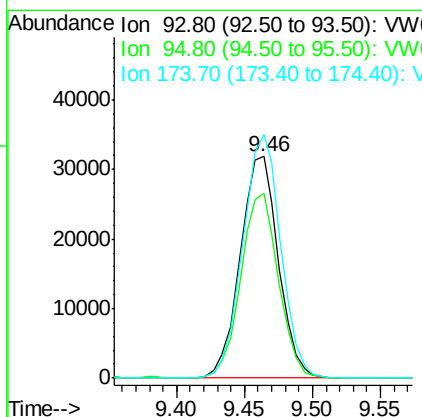
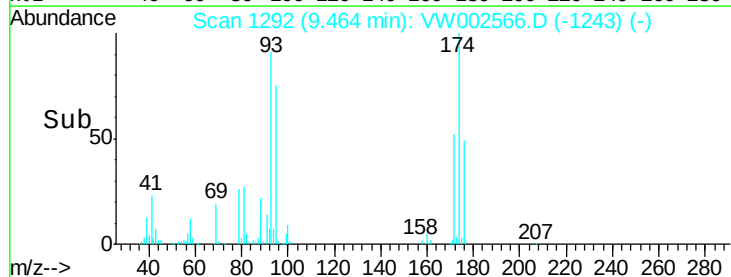
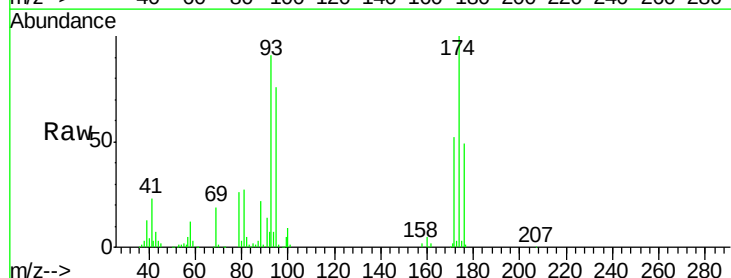
Manual Integrations
 APPROVED

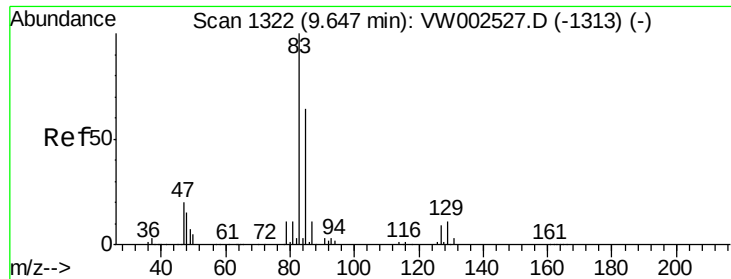
apatel
 5/16/2018 12:27:02 PM



#46
 Dibromomethane
 Concen: 54.14 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Tgt Ion: 93 Resp: 62447
 Ion Ratio Lower Upper
 93 100
 95 82.0 66.6 100.0
 174 109.5 84.0 126.0





#47

Bromodichloromethane

Concen: 54.83 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

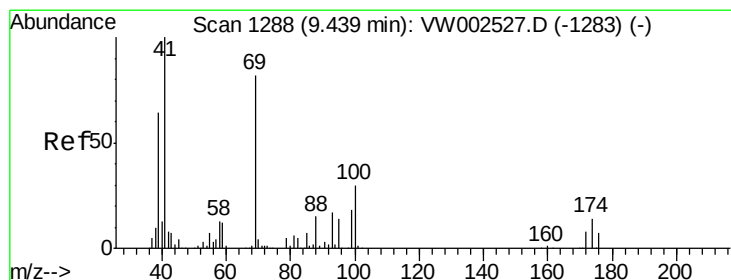
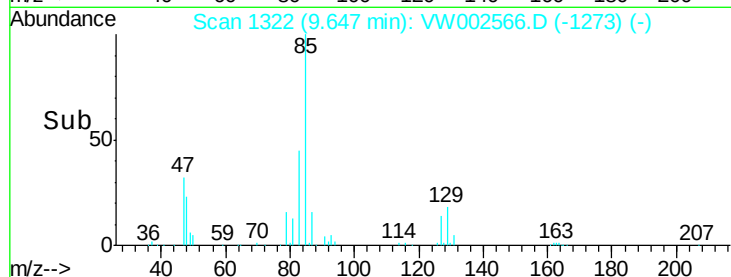
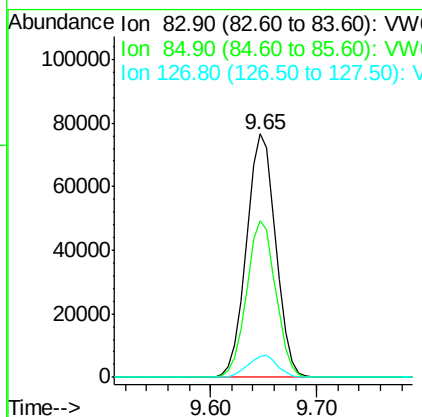
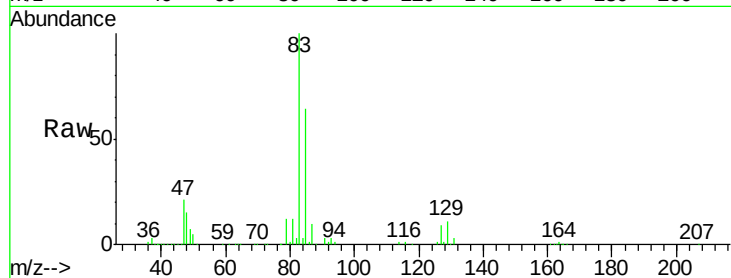
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	147492
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.4	77.2
127	8.8	7.0	10.4

Manual Integrations
APPROVED

apatel
5/16/2018 12:27:02 PM



#48

Methyl methacrylate

Concen: 60.55 ug/l

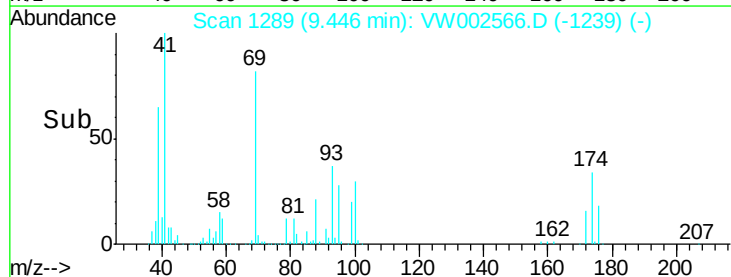
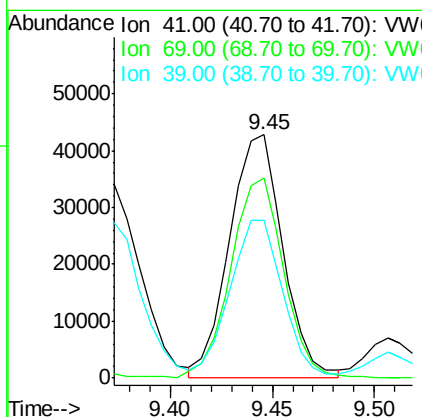
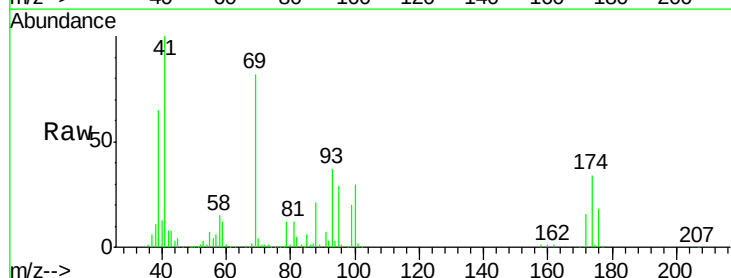
RT: 9.45 min Scan# 1289

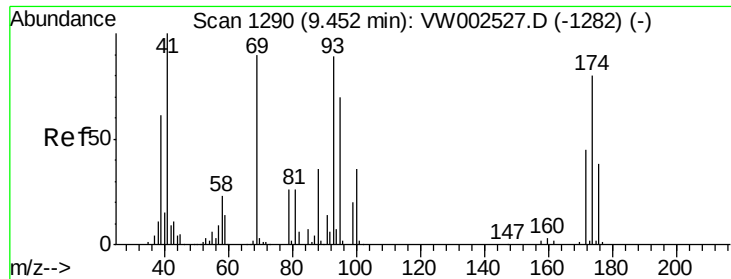
Delta R.T. 0.01 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Tgt Ion:	41	Resp:	77525
Ion Ratio	Lower	Upper	
41	100		
69	81.3	69.7	104.5
39	64.5	55.0	82.4





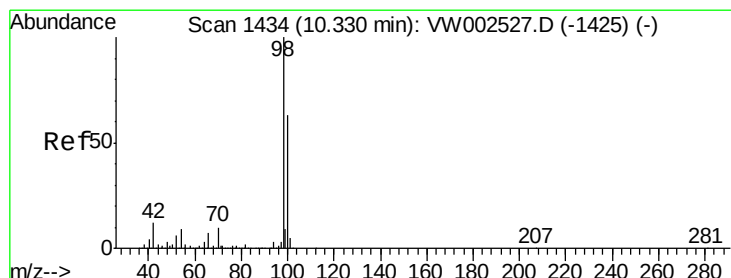
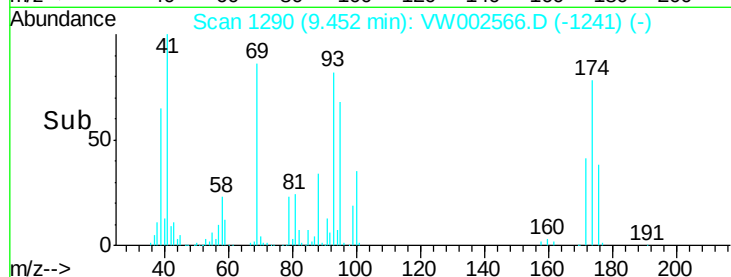
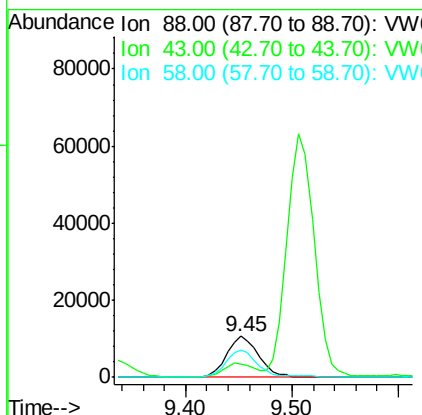
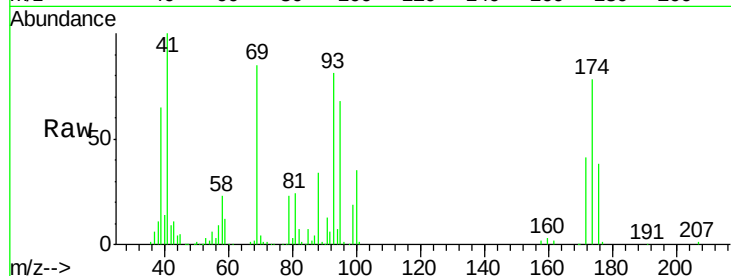
#49
1,4-Dioxane
Concen: 1162.31 ug/l
RT: 9.45 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	22342
Ion Ratio	Lower	Upper	
88	100		
43	31.6	27.0	40.4
58	64.6	56.9	85.3

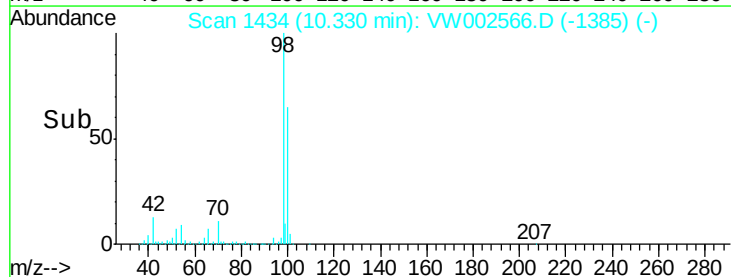
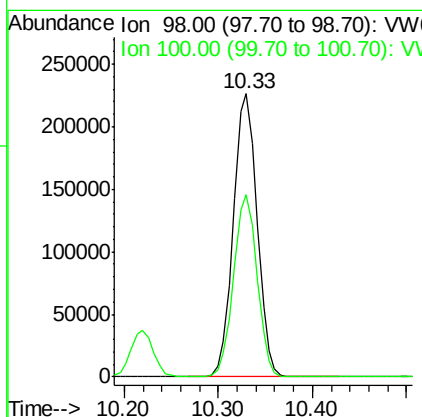
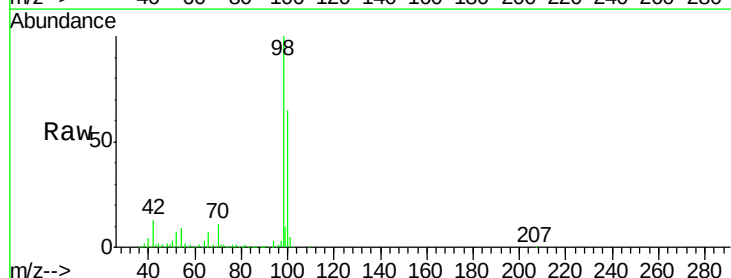
Manual Integrations
APPROVED

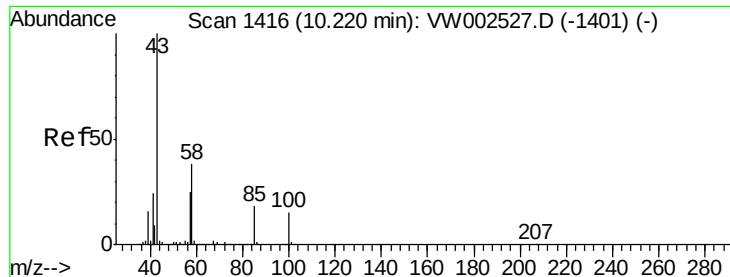
apatel
5/16/2018 12:27:02 PM



#50
Toluene-d8
Concen: 52.36 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion	98	Resp	396718
Ion Ratio	Lower	Upper	
98	100		
100	63.9	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 289.30 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 419784

Ion Ratio Lower Upper

43 100

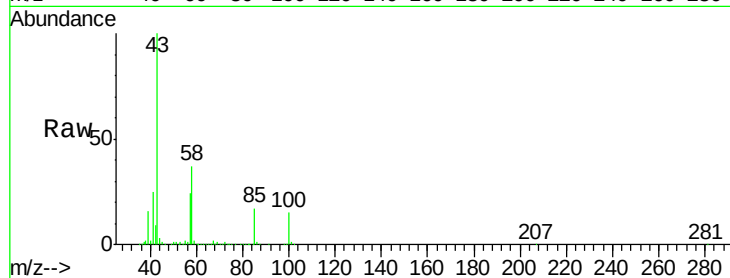
58 37.5 30.1 45.1

Manual Integrations

APPROVED

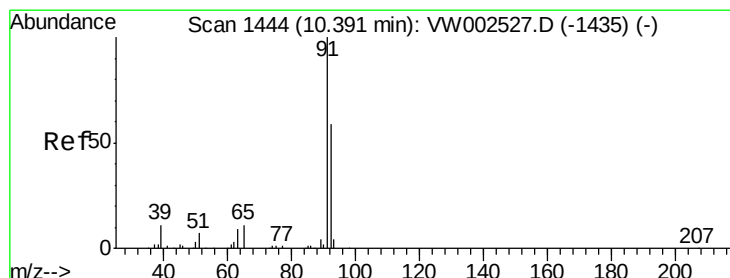
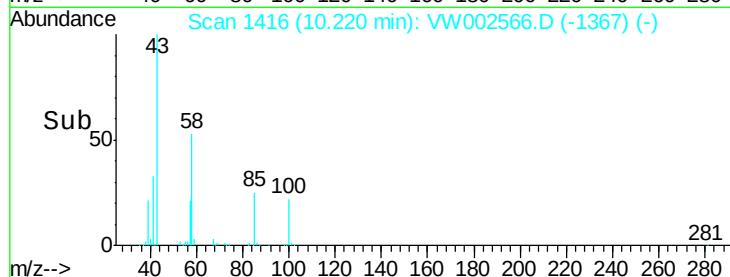
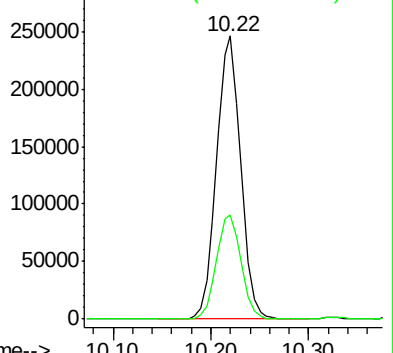
apatel

5/16/2018 12:27:02 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 52.99 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW002566.D

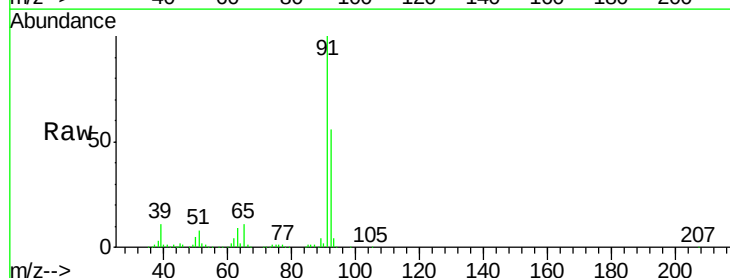
Acq: 15 May 2018 23:16

Tgt Ion: 92 Resp: 266479

Ion Ratio Lower Upper

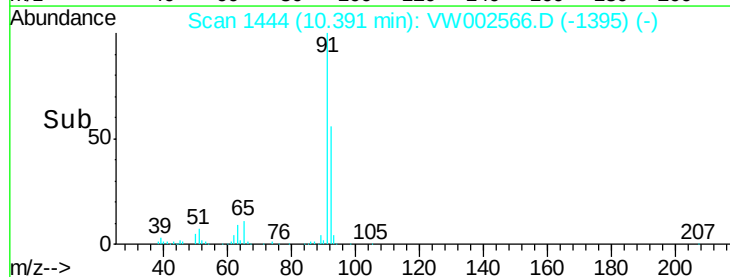
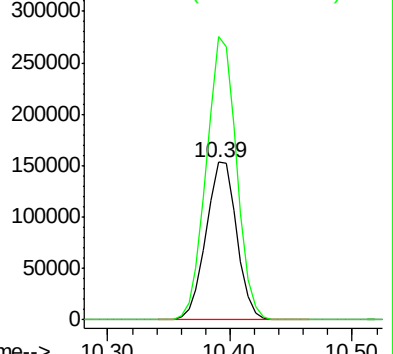
92 100

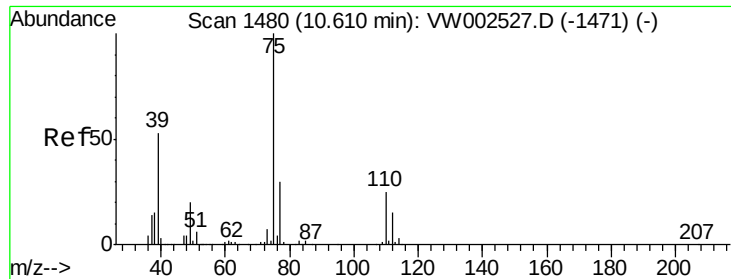
91 176.4 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





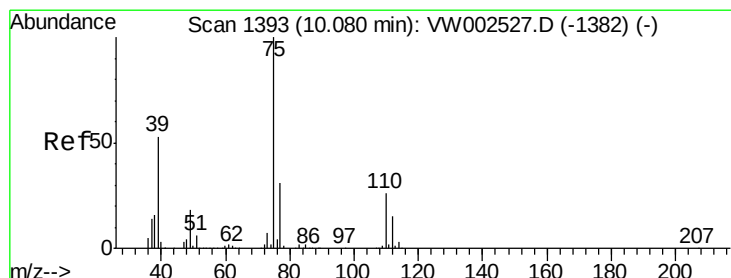
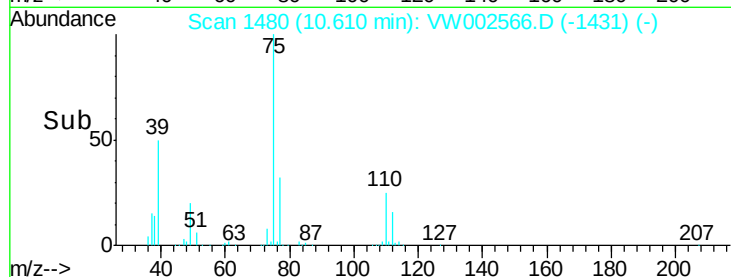
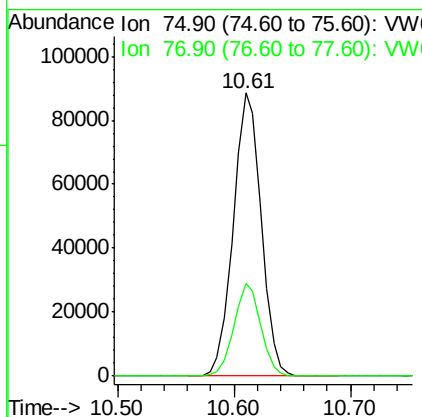
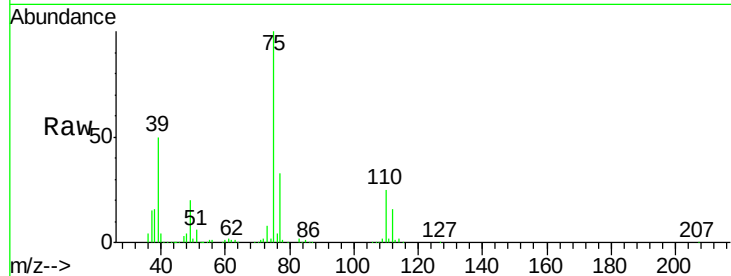
#53
t-1,3-Dichloropropene
Concen: 54.31 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 147725
Ion Ratio Lower Upper
75 100
77 32.6 24.1 36.1

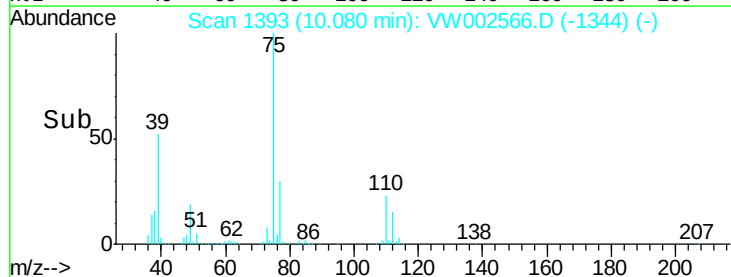
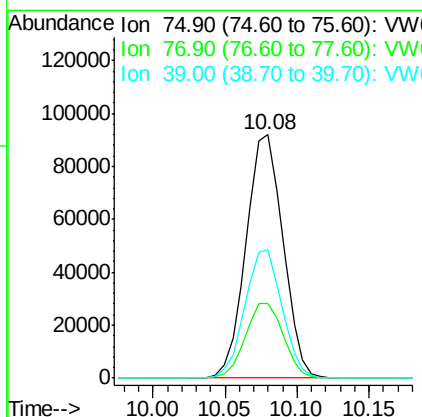
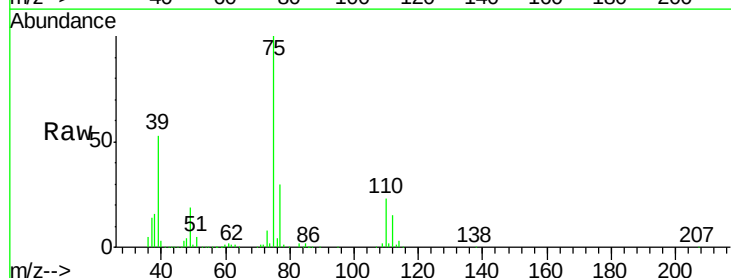
Manual Integrations
APPROVED

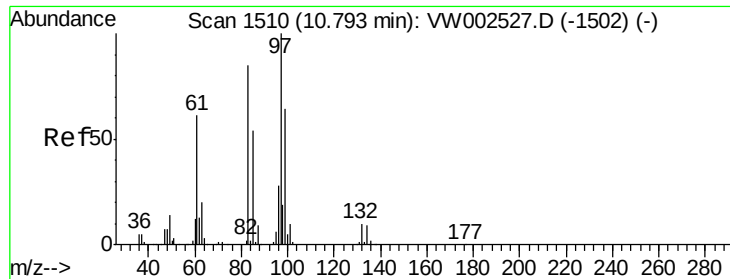
apatel
5/16/2018 12:27:02 PM



#54
cis-1,3-Dichloropropene
Concen: 53.99 ug/l
RT: 10.08 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion: 75 Resp: 163717
Ion Ratio Lower Upper
75 100
77 30.5 25.0 37.4
39 52.6 42.5 63.7





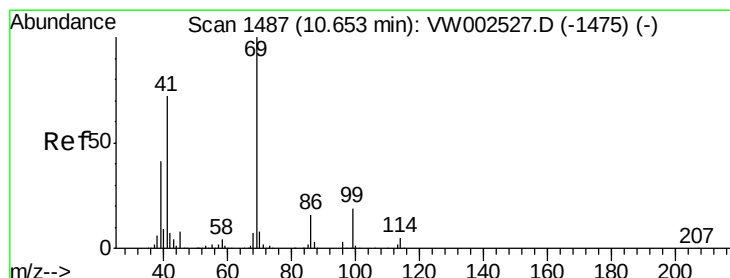
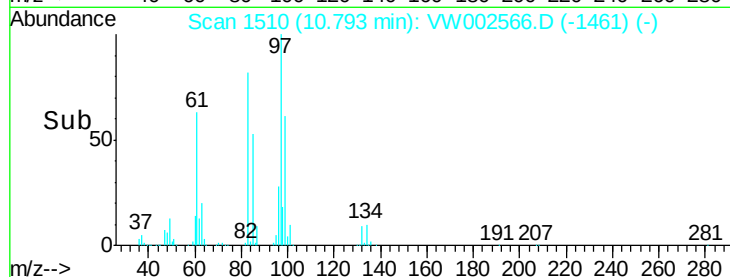
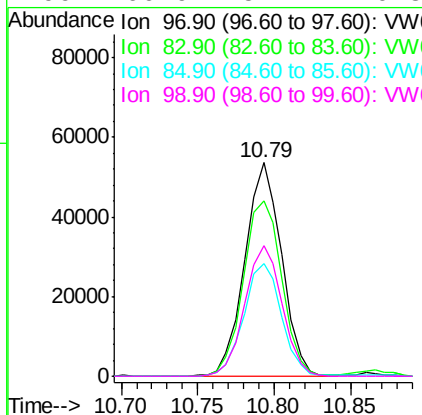
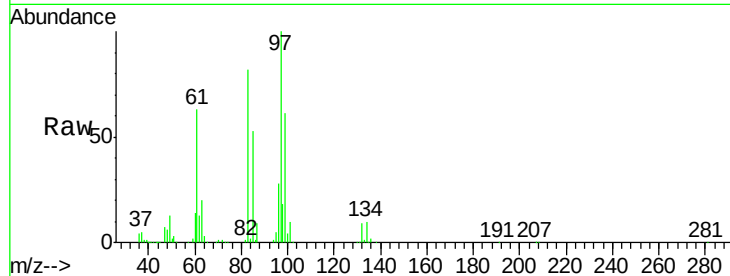
#55
 1,1,2-Trichloroethane
 Concen: 55.25 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		89777		
83	82.4	68.1	102.1		
85	52.6	43.6	65.4		
99	60.9	51.2	76.8		

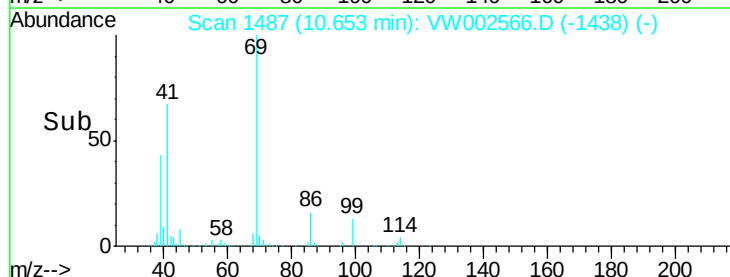
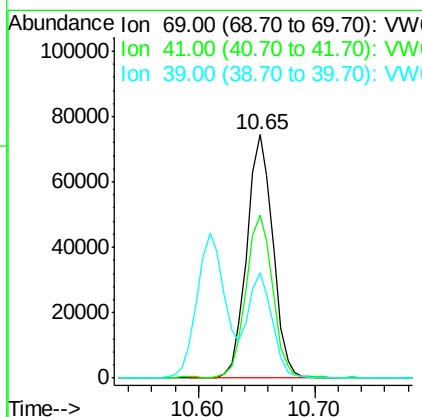
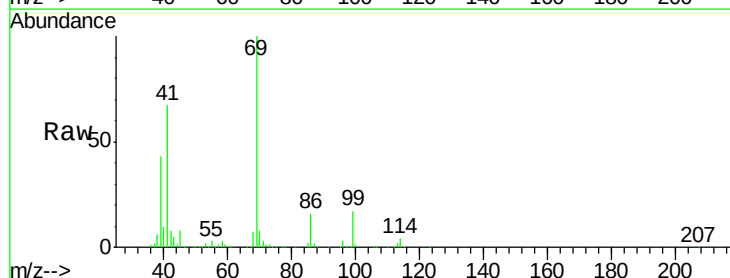
Manual Integrations
 APPROVED

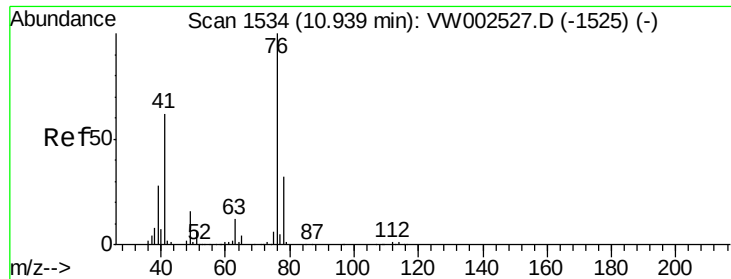
apatel
 5/16/2018 12:27:02 PM



#56
 Ethyl methacrylate
 Concen: 59.08 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		116999		
41	67.3	55.3	82.9		
39	39.2	33.0	49.6		





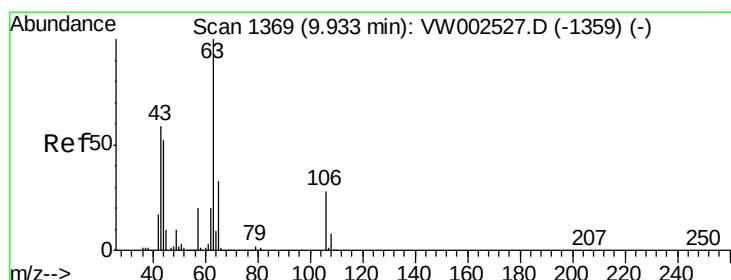
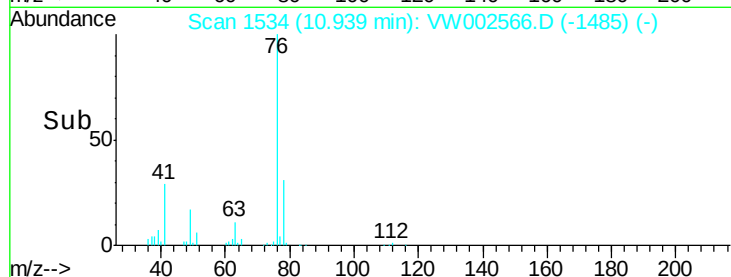
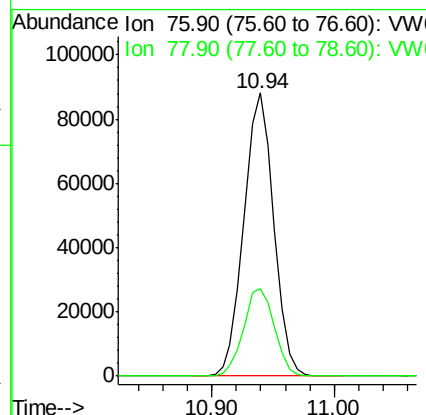
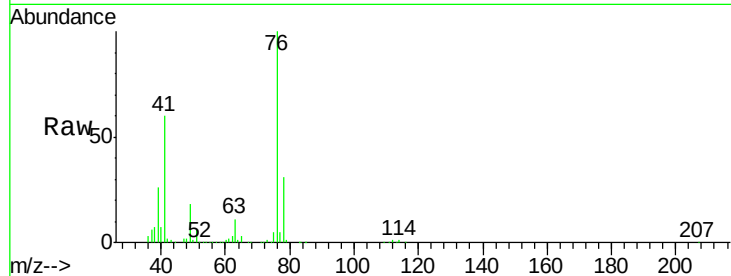
#57
 1,3-Dichloropropane
 Concen: 55.32 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 149086
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.6 38.4

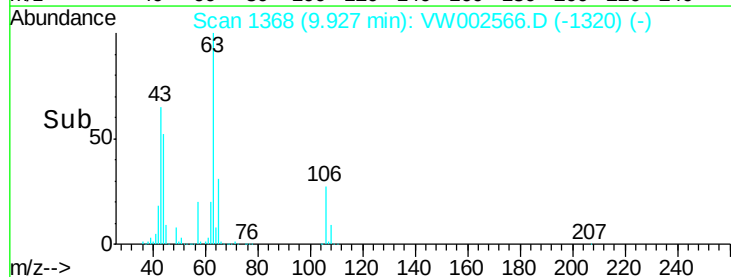
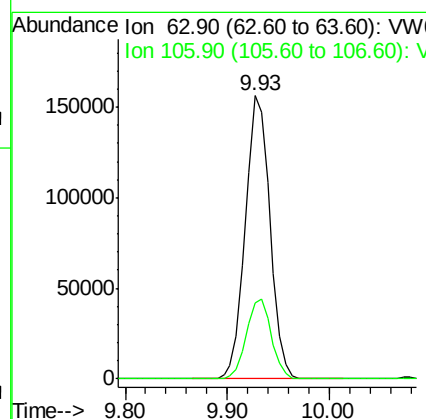
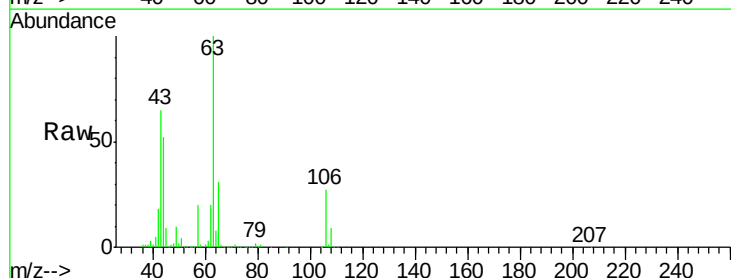
Manual Integrations
 APPROVED

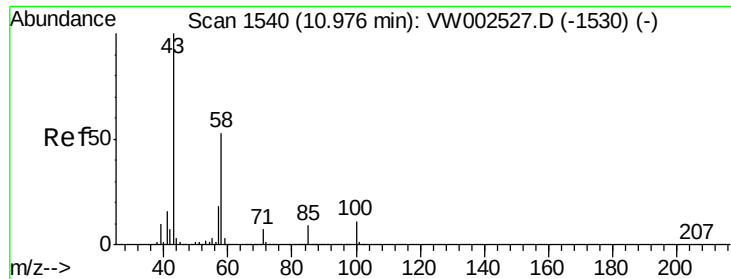
apatel
 5/16/2018 12:27:02 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 269.04 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Tgt Ion: 63 Resp: 261551
 Ion Ratio Lower Upper
 63 100
 106 28.6 22.9 34.3





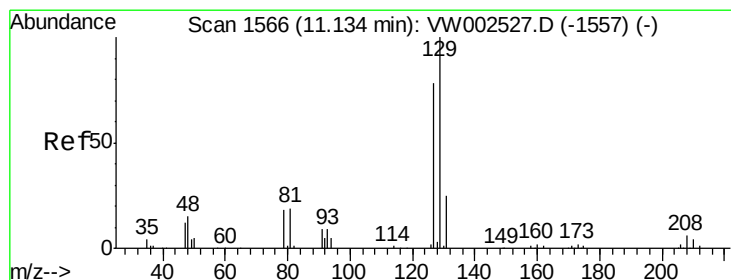
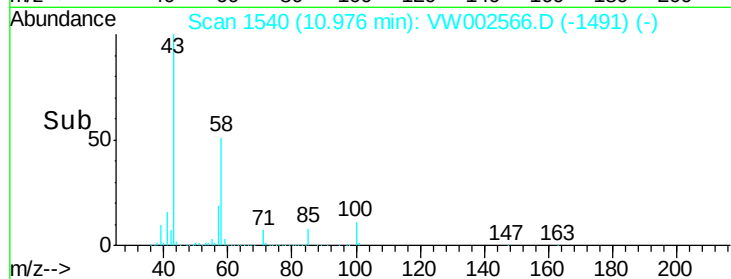
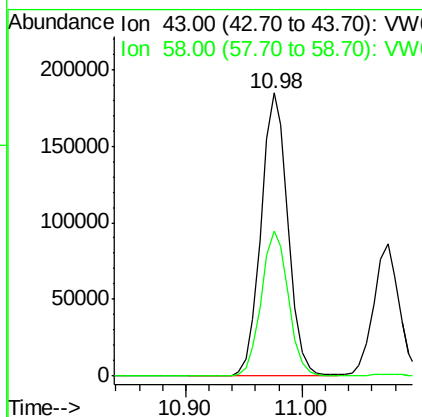
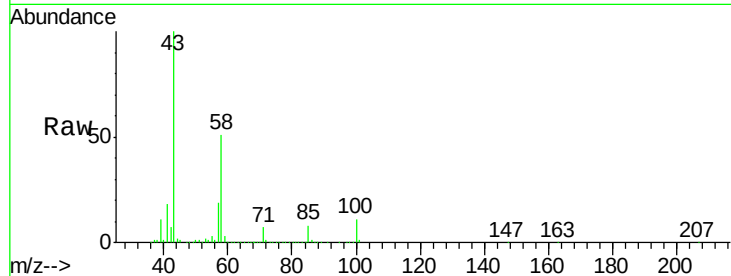
#59
2-Hexanone
Concen: 295.73 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	43	Resp	296245
Ion Ratio	43	100	
Lower	58	51.5	26.3
Upper			78.8

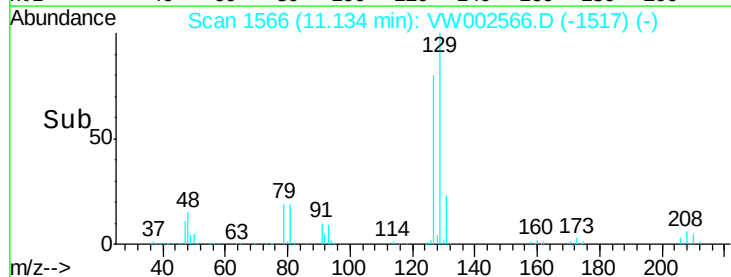
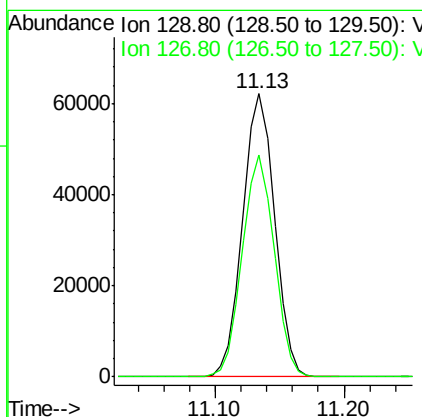
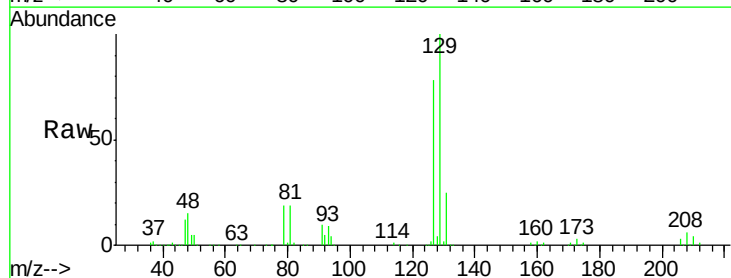
Manual Integrations
APPROVED

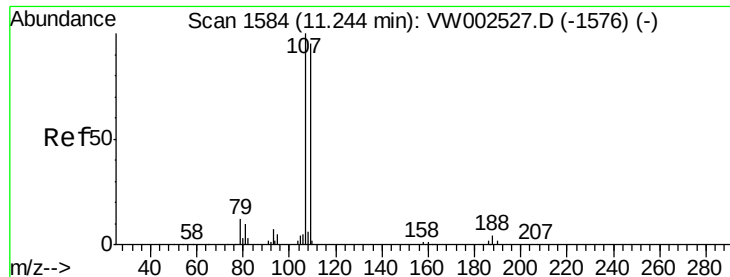
apatel
5/16/2018 12:27:02 PM



#60
Dibromochloromethane
Concen: 55.73 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion	129	Resp	106858
Ion Ratio	129	100	
Lower	127	78.1	38.6
Upper			115.7





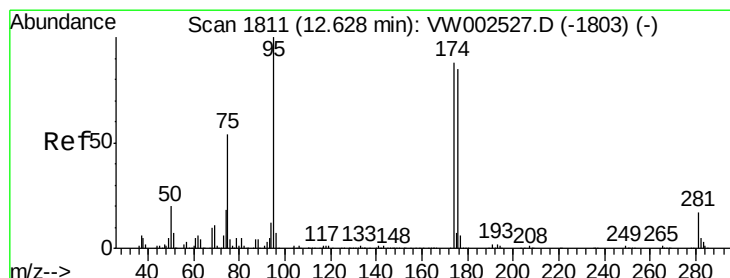
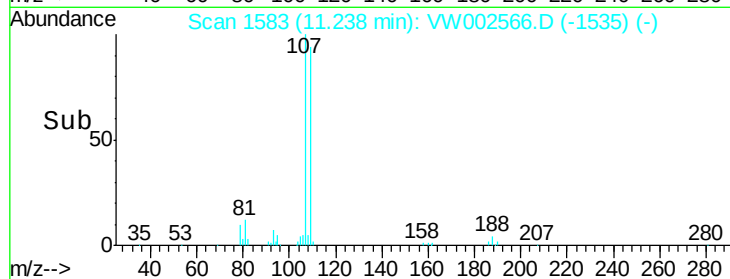
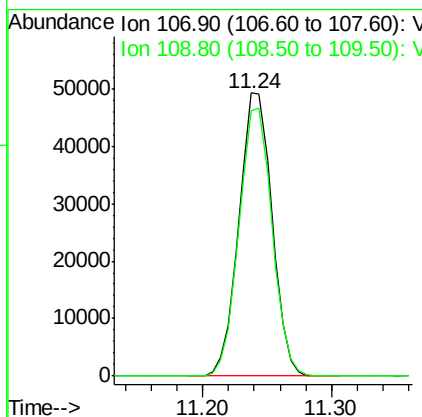
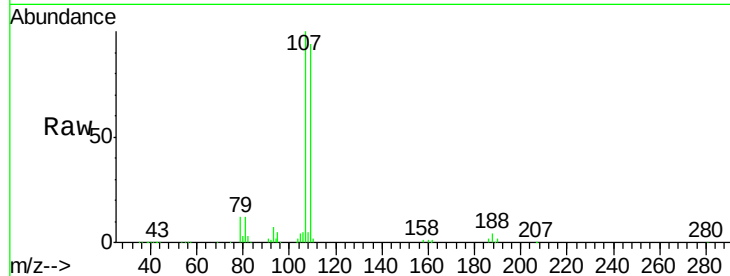
#61
 1,2-Dibromoethane
 Concen: 55.76 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 87453
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.4 113.2

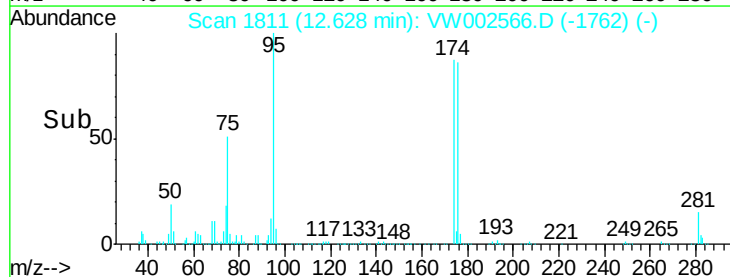
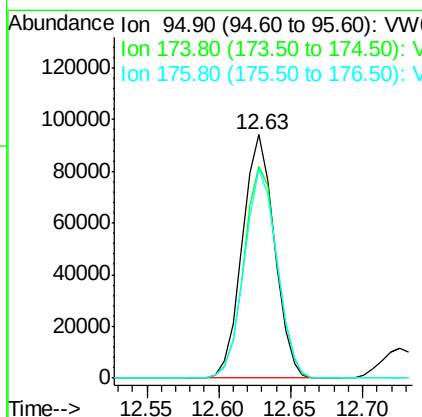
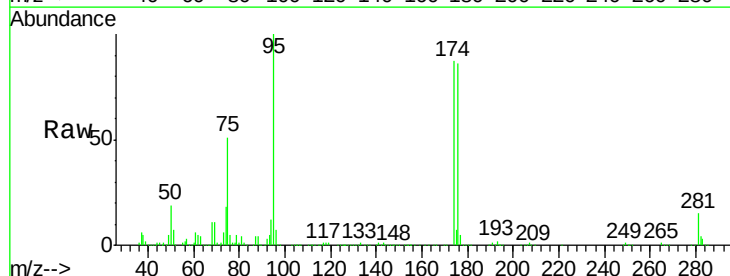
Manual Integrations
 APPROVED

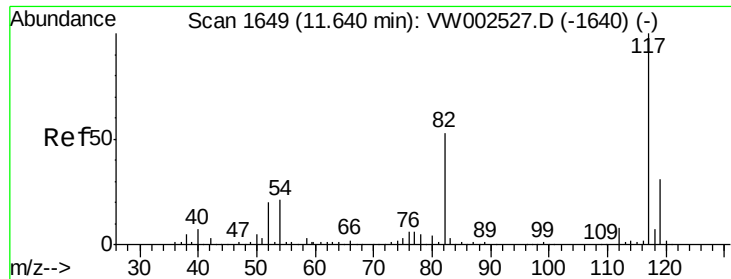
apatel
 5/16/2018 12:27:02 PM



#62
 4-Bromofluorobenzene
 Concen: 52.51 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Tgt Ion: 95 Resp: 145491
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 176.6
 176 87.2 0.0 172.2





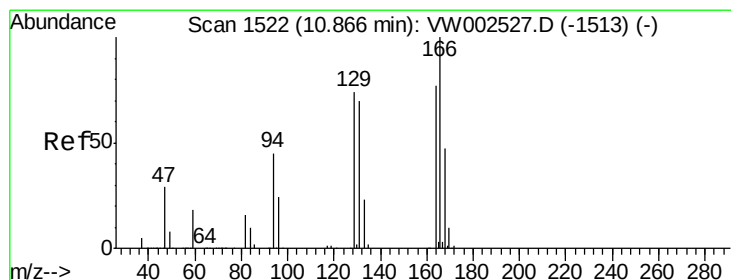
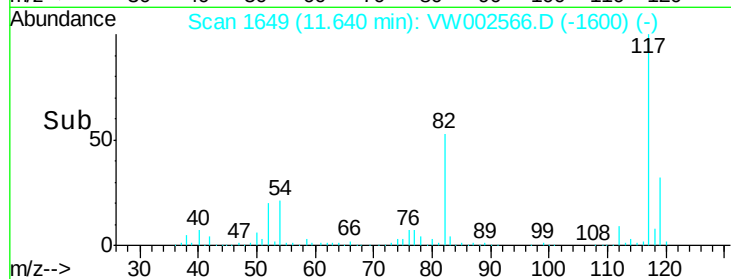
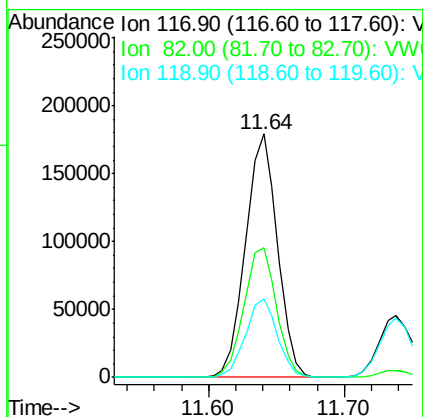
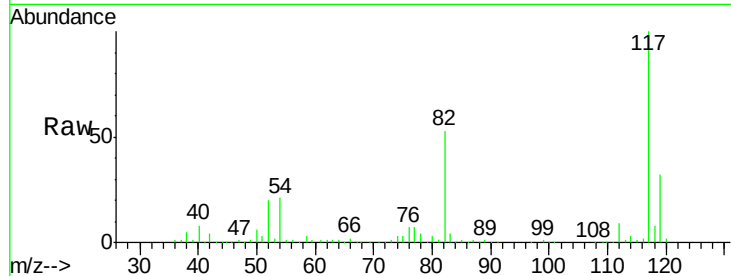
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	294244		
82	53.3	42.6	64.0	
119	32.0	25.0	37.6	

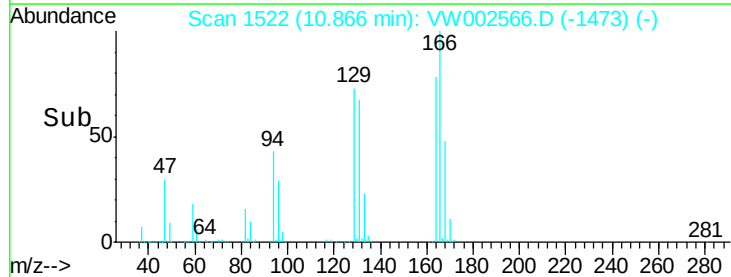
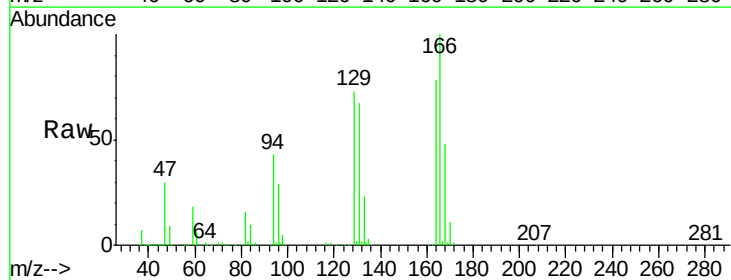
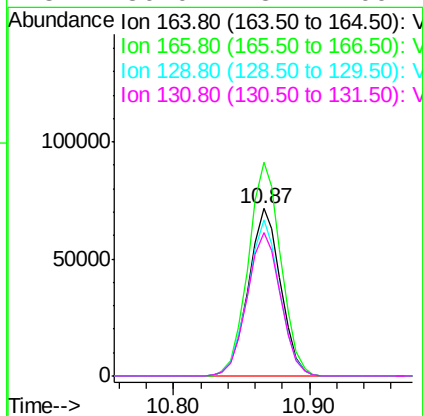
Manual Integrations
APPROVED

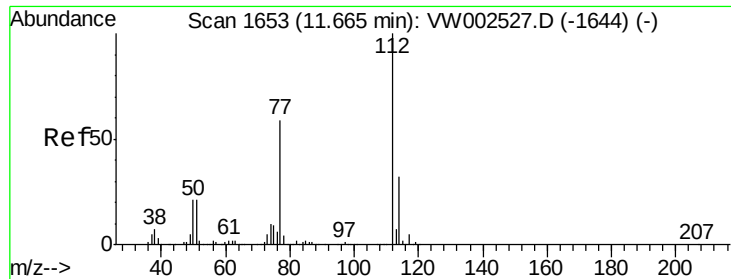
apatel
5/16/2018 12:27:02 PM



#64
Tetrachloroethene
Concen: 57.35 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	118937		
166	127.7	104.2	156.2	
129	93.3	77.0	115.4	
131	86.0	73.1	109.7	





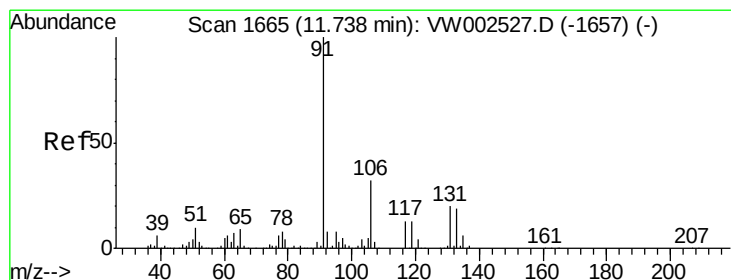
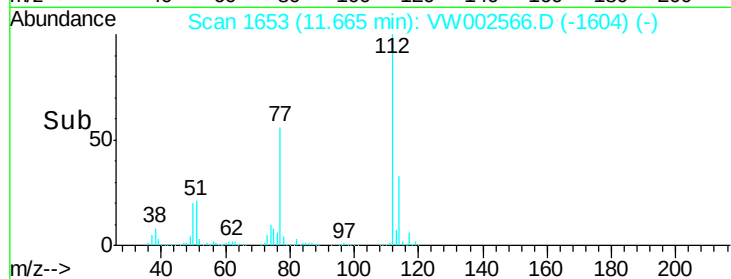
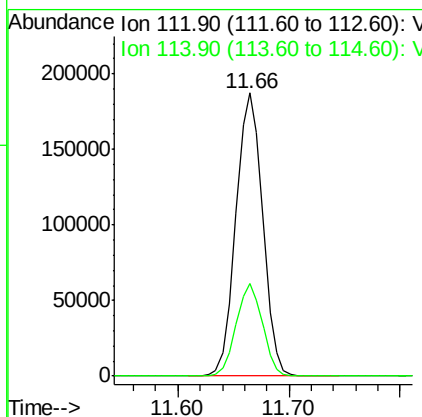
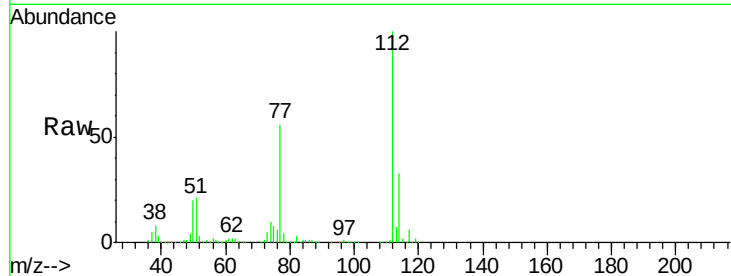
#65
Chlorobenzene
Concen: 53.03 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.3	37.9

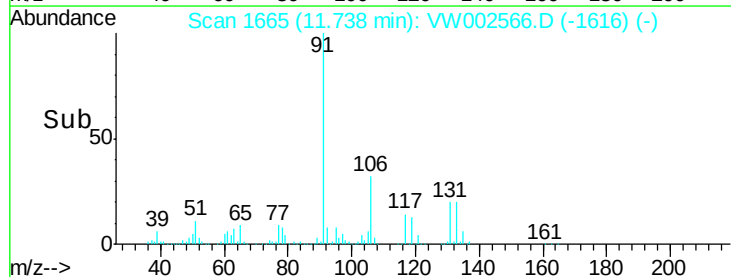
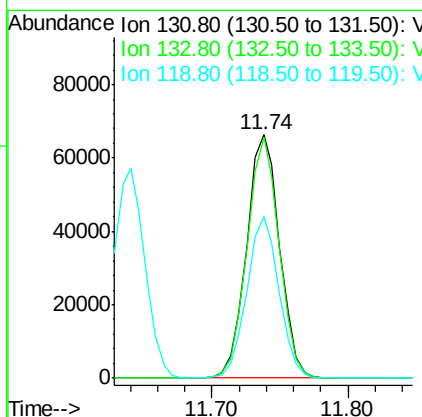
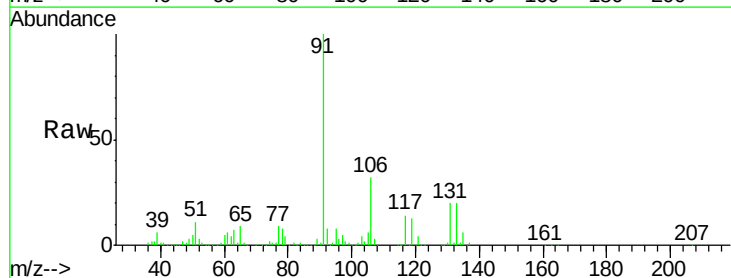
Manual Integrations
APPROVED

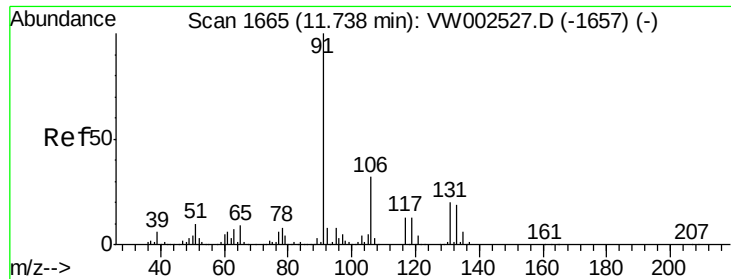
apatel
5/16/2018 12:27:02 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.69 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	48.4	145.3
119	64.8	32.2	96.6





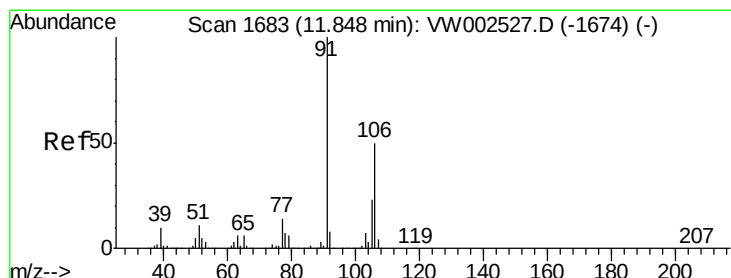
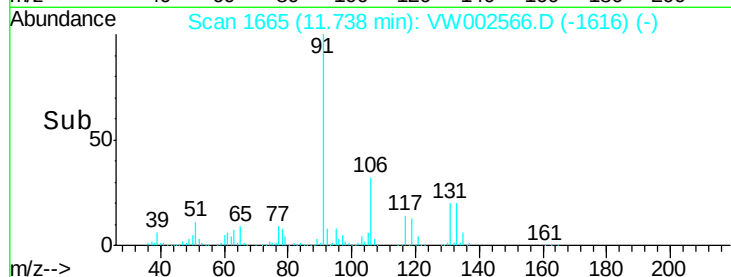
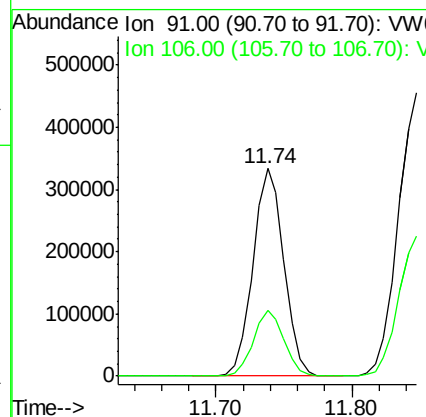
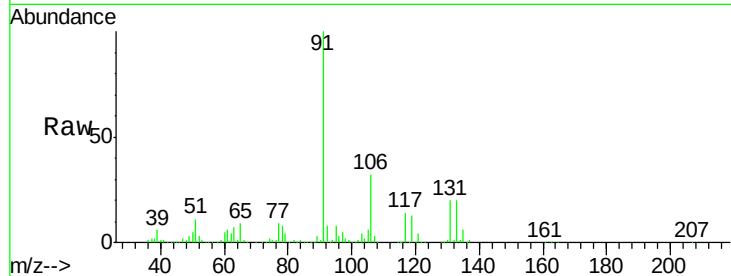
#67
Ethyl Benzene
Concen: 53.22 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 530128
Ion Ratio Lower Upper
91 100
106 31.9 25.4 38.0

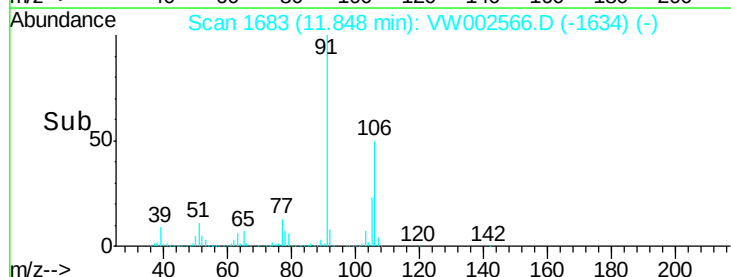
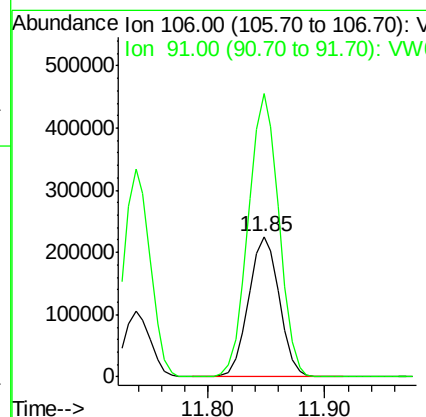
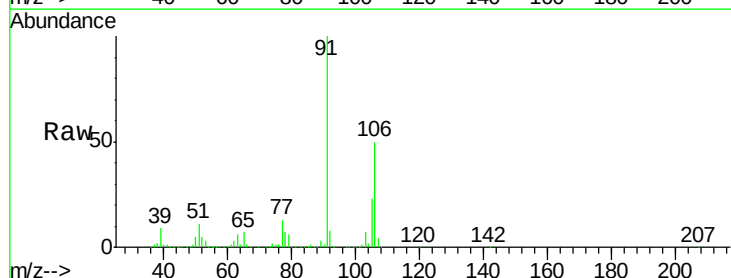
Manual Integrations
APPROVED

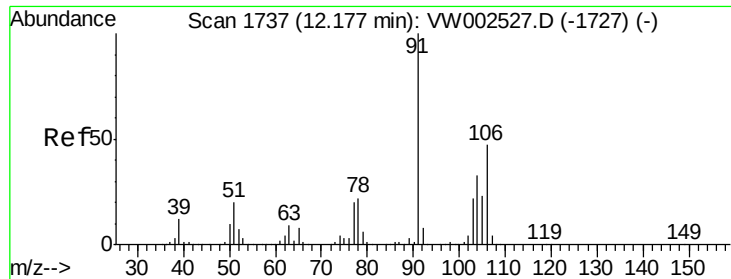
apatel
5/16/2018 12:27:02 PM



#68
m/p-Xylenes
Concen: 106.64 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion: 106 Resp: 412968
Ion Ratio Lower Upper
106 100
91 201.1 161.4 242.2





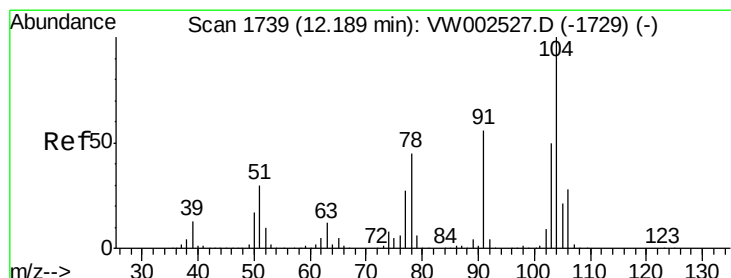
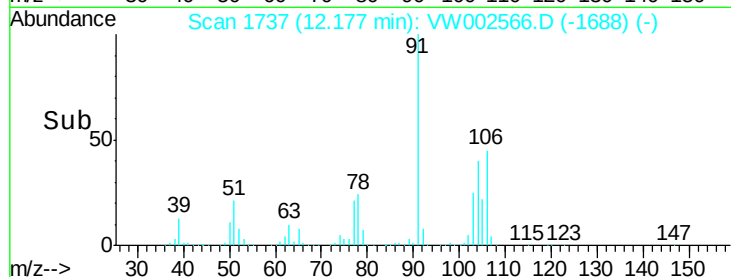
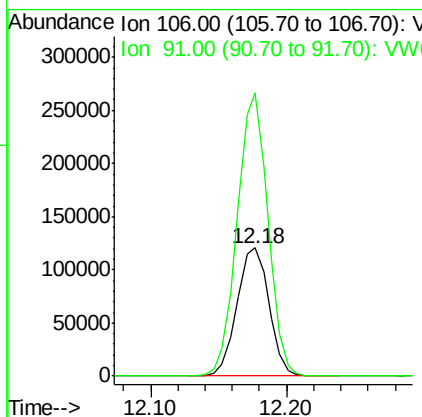
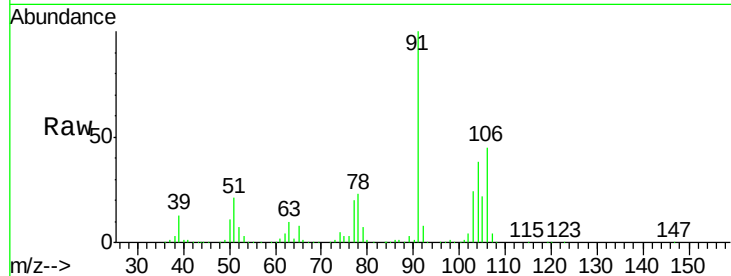
#69
o-Xylene
Concen: 53.98 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.4	106.7	320.2

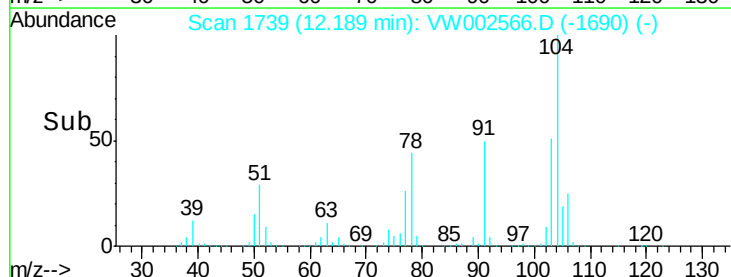
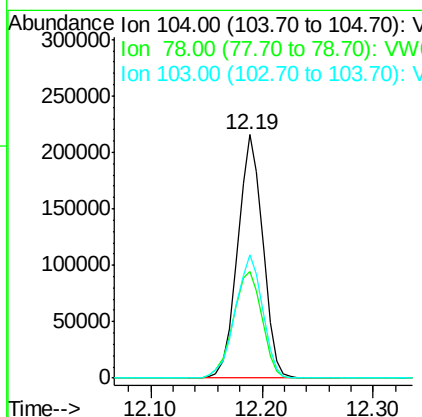
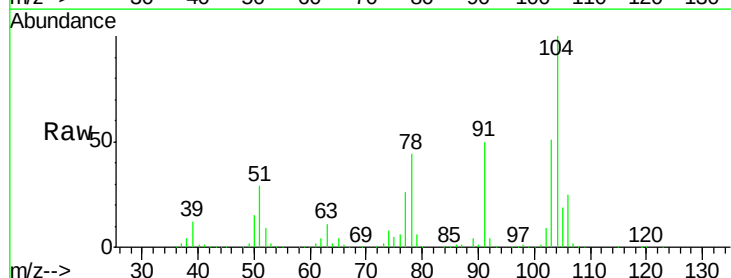
Manual Integrations
APPROVED

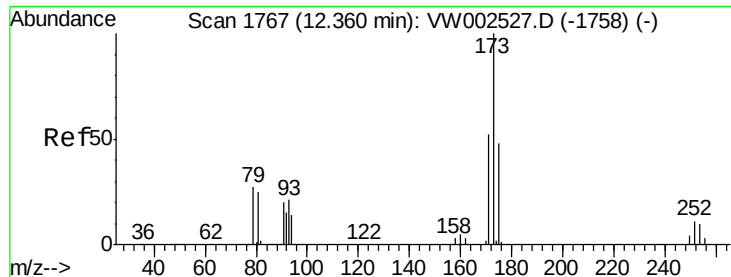
apatel
5/16/2018 12:27:02 PM



#70
Styrene
Concen: 54.77 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.4	40.1	60.1
103	55.2	44.6	66.8





#71

Bromoform

Concen: 56.83 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.01 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

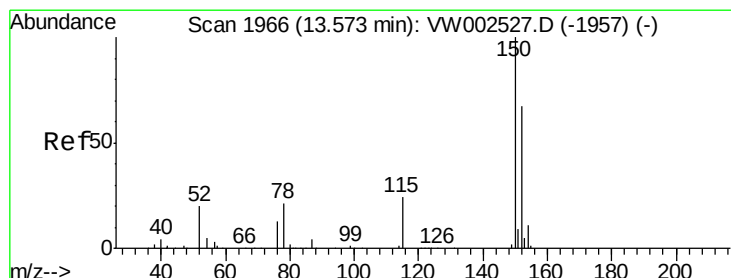
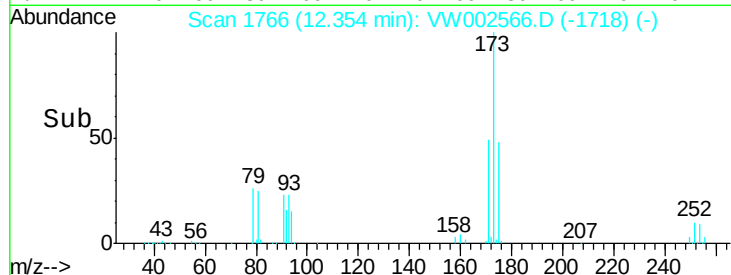
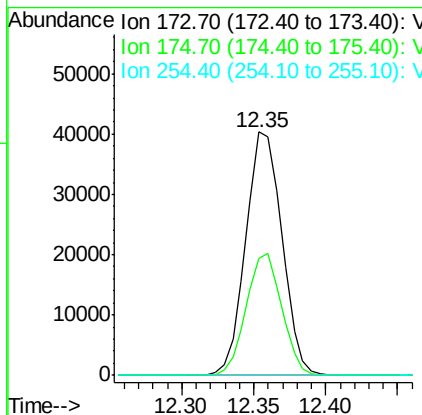
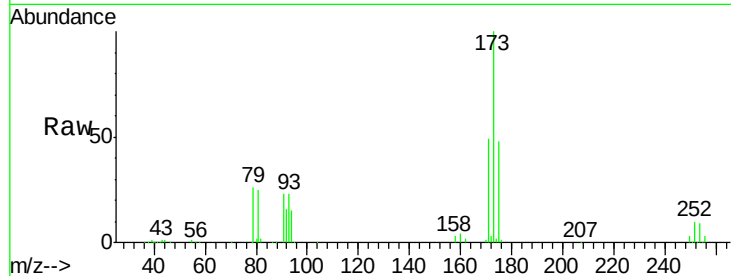
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	70051
Ion Ratio	Lower	Upper	
173	100		
175	49.2	24.5	73.5
254	0.1	0.1	0.1

Manual Integrations
APPROVED

apatel
5/16/2018 12:27:02 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

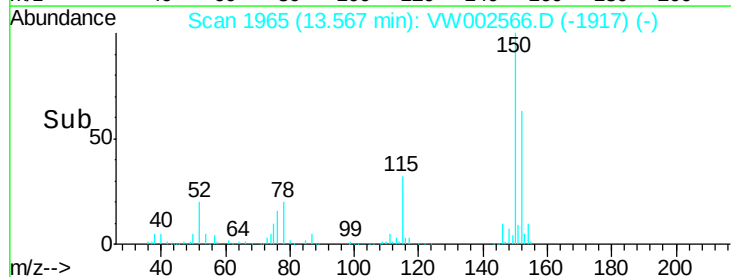
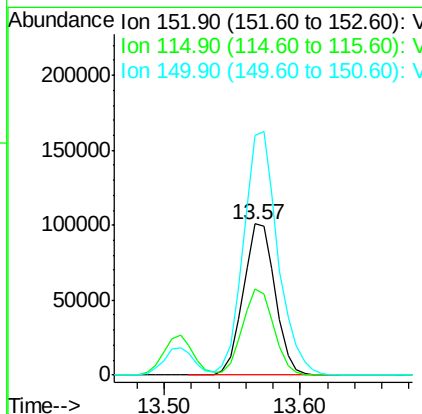
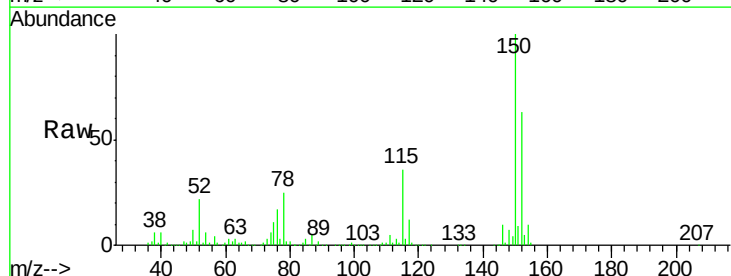
RT: 13.57 min Scan# 1965

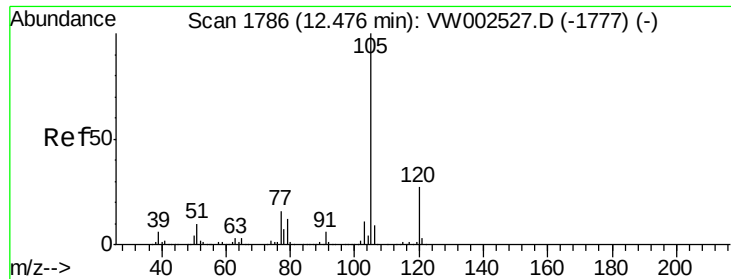
Delta R.T. -0.01 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Tgt Ion:	152	Resp:	164759
Ion Ratio	Lower	Upper	
152	100		
115	56.3	28.0	84.0
150	173.9	0.0	345.4





#73

Isopropylbenzene

Concen: 52.60 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 534234

Ion Ratio Lower Upper

105 100

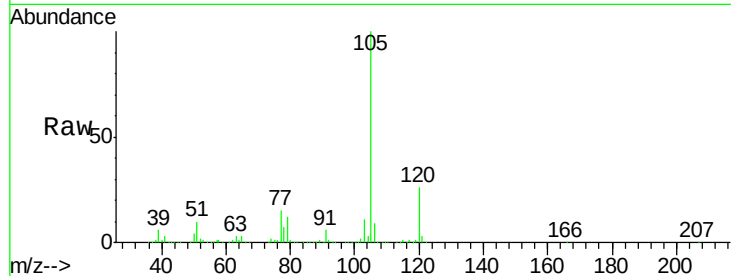
120 27.0 13.4 40.2

Manual Integrations

APPROVED

apatel

5/16/2018 12:27:02 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

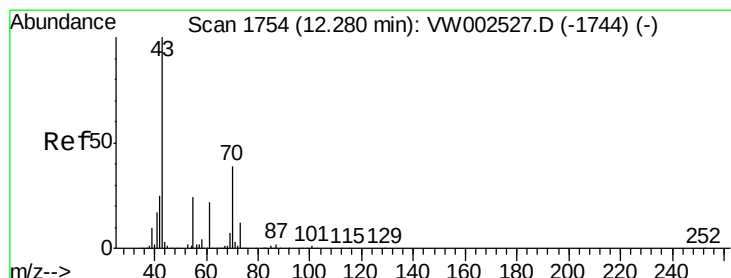
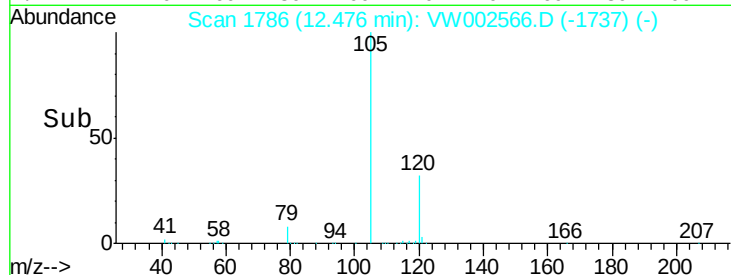
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 57.01 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Tgt Ion: 43 Resp: 147504

Ion Ratio Lower Upper

43 100

70 40.7 31.9 47.9

55 25.4 19.4 29.0

61 22.9 18.3 27.5

Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

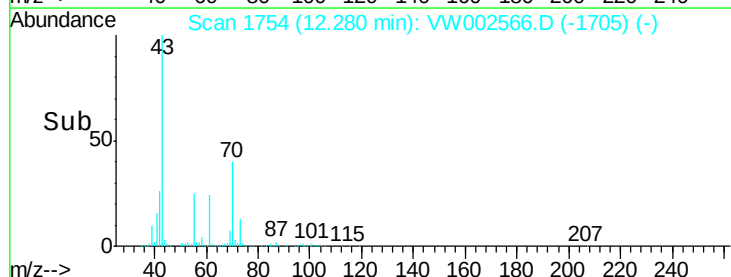
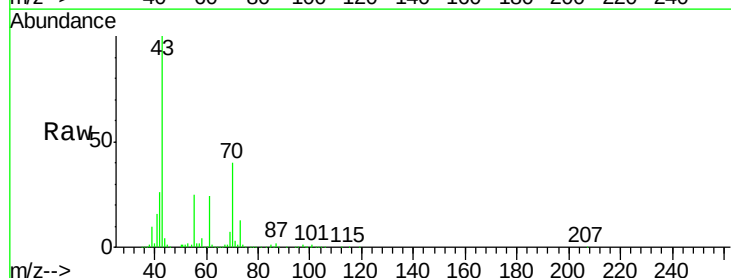
12.28

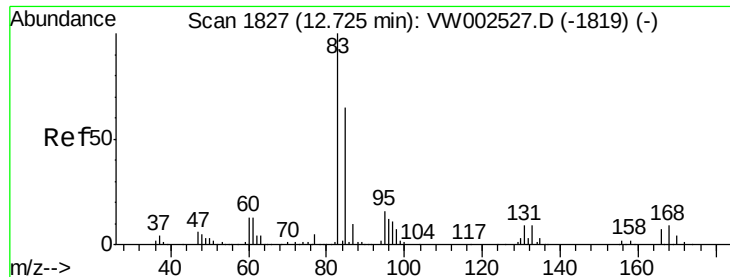
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 54.49 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

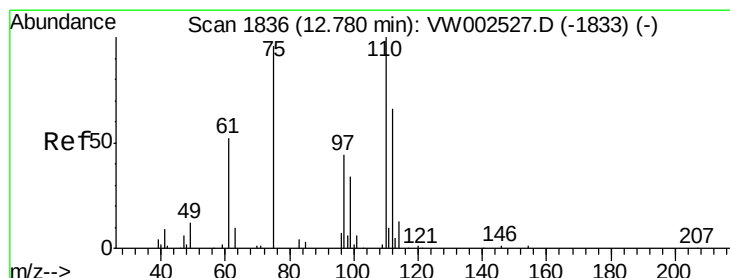
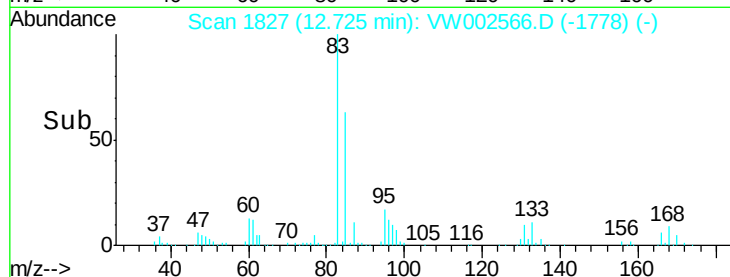
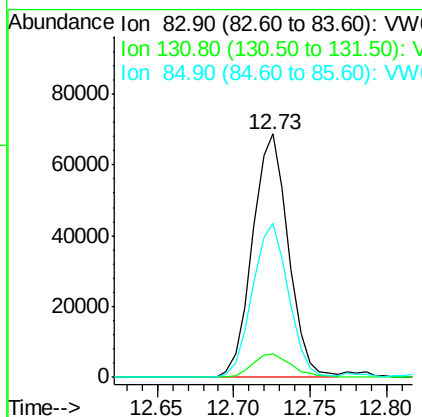
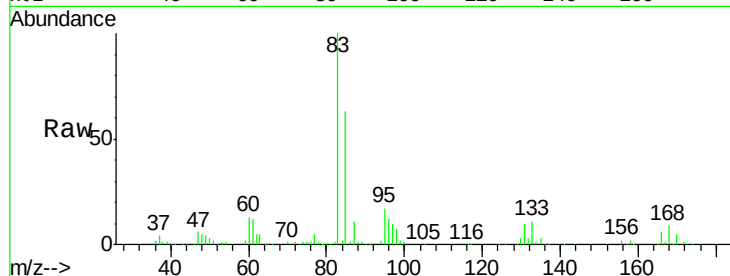
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	112128
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	63.5	31.6	94.8

Manual Integrations
APPROVED

apatel
5/16/2018 12:27:02 PM



#76

1,2,3-Trichloropropane

Concen: 53.10 ug/l m

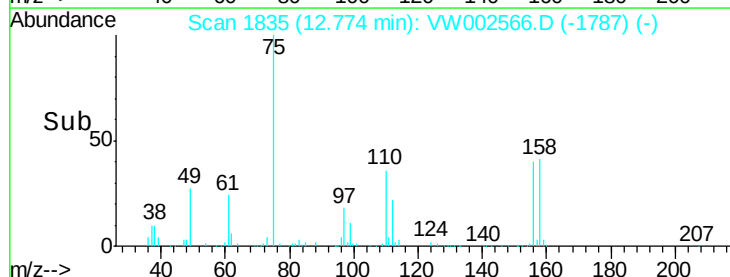
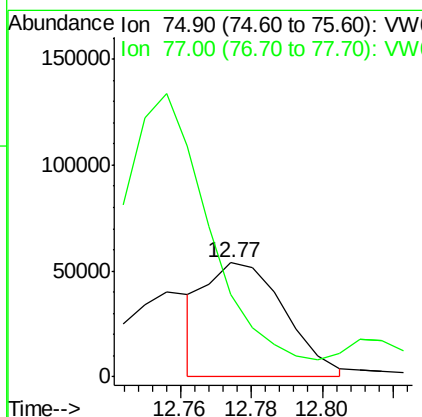
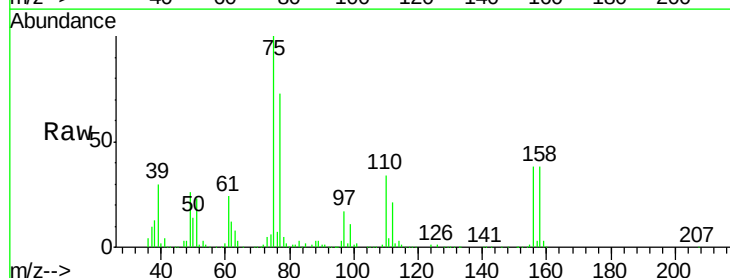
RT: 12.77 min Scan# 1835

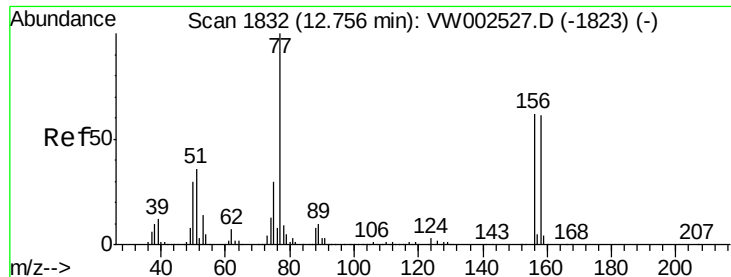
Delta R.T. -0.01 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Tgt Ion:	75	Resp:	82692
Ion Ratio	Lower	Upper	
75	100		
77	296.8	0.0	0.0#





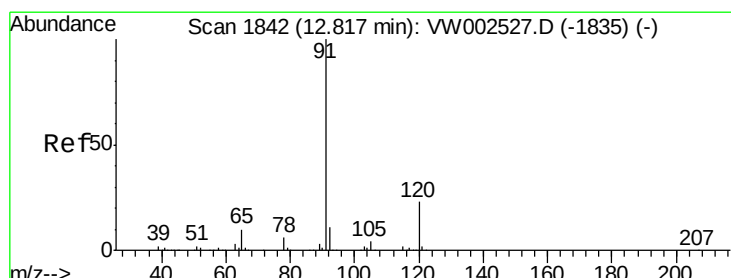
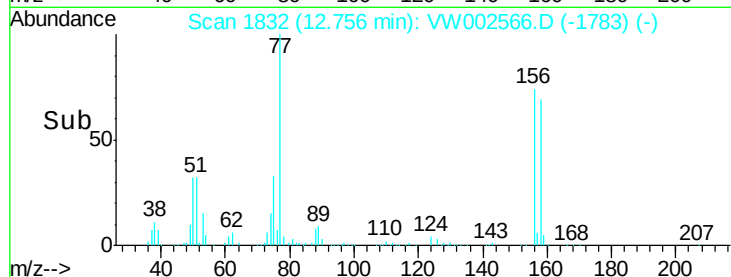
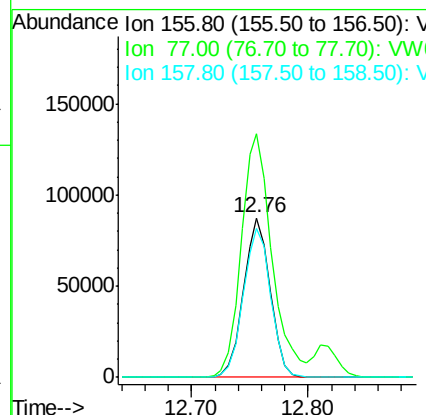
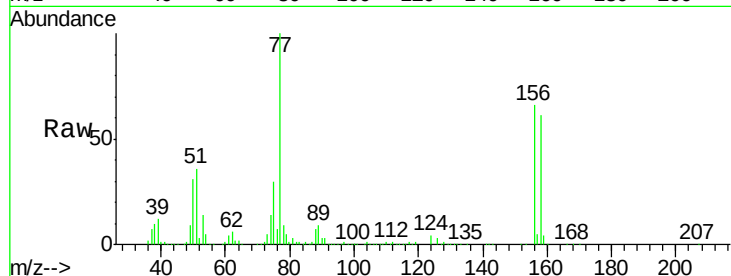
#77
Bromobenzene
Concen: 53.53 ug/l
RT: 12.76 min Scan# 1832
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	176.9	89.8	269.4
158	96.2	48.8	146.3

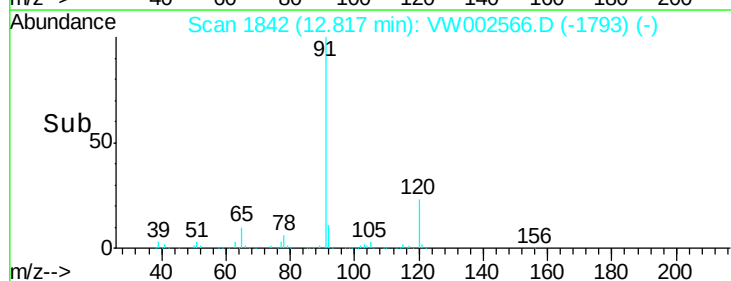
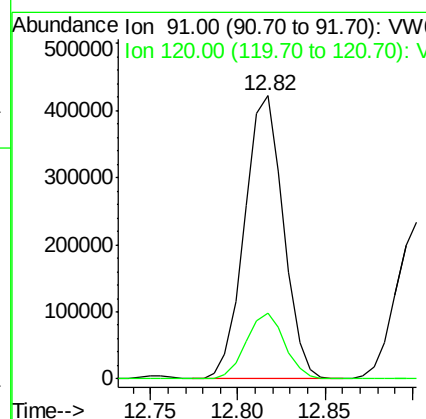
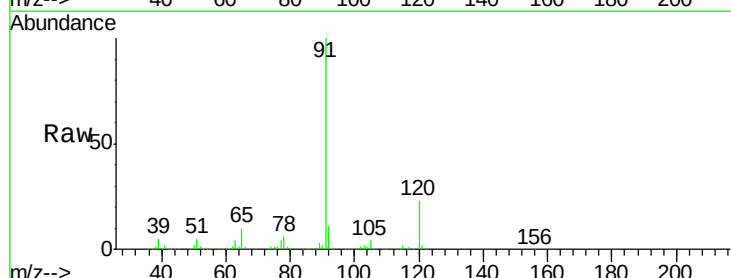
Manual Integrations
APPROVED

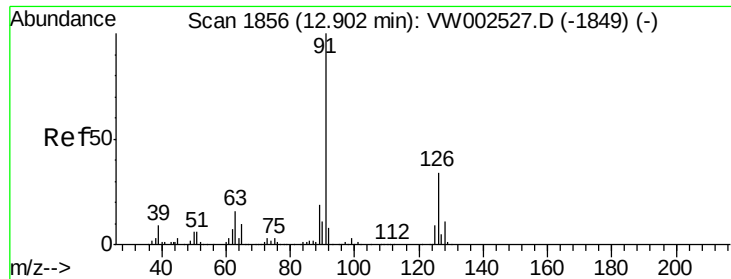
apatel
5/16/2018 12:27:02 PM



#78
n-propylbenzene
Concen: 52.88 ug/l
RT: 12.82 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.7	35.1





#79

2-Chlorotoluene

Concen: 53.00 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. -0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 369131

Ion Ratio Lower Upper

91 100

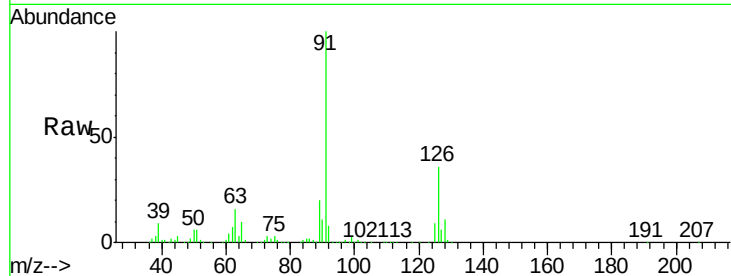
126 35.5 17.6 52.8

Manual Integrations

APPROVED

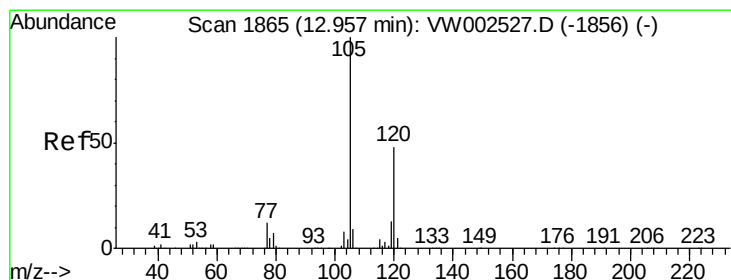
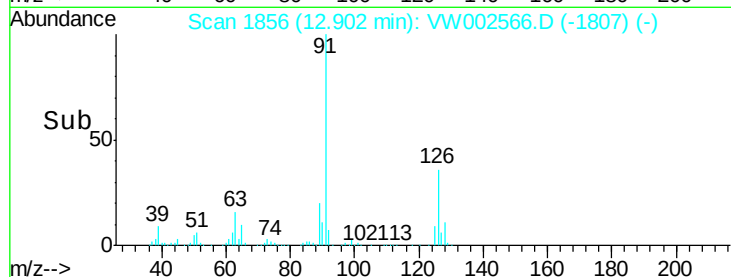
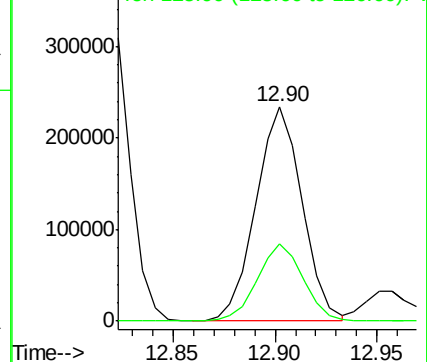
apatel

5/16/2018 12:27:02 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: 53.25 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VW002566.D

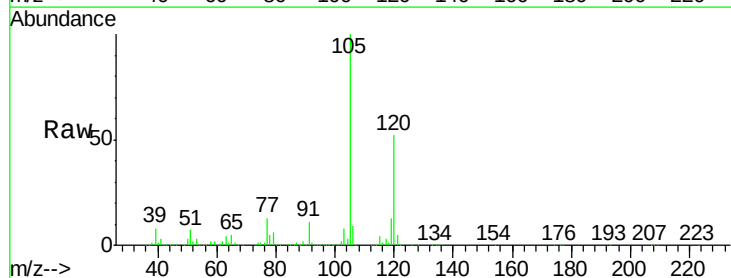
Acq: 15 May 2018 23:16

Tgt Ion: 105 Resp: 461509

Ion Ratio Lower Upper

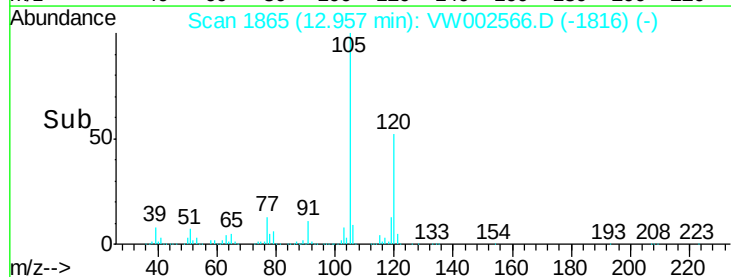
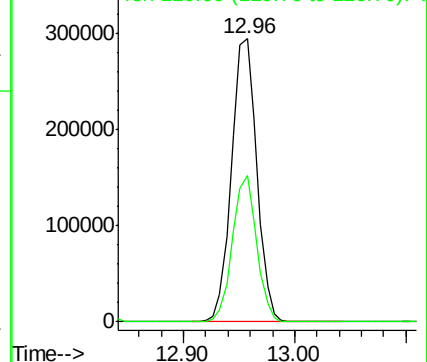
105 100

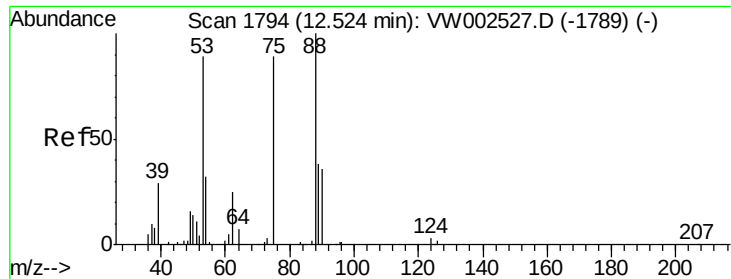
120 49.3 24.6 73.8



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: 54.17 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

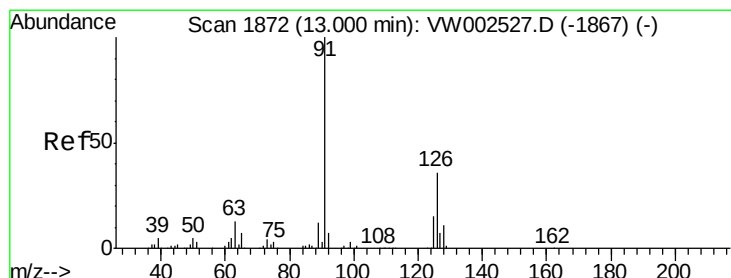
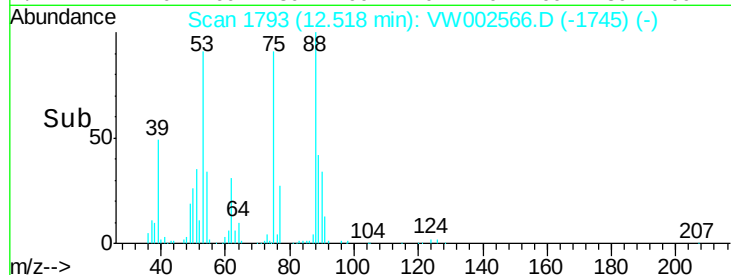
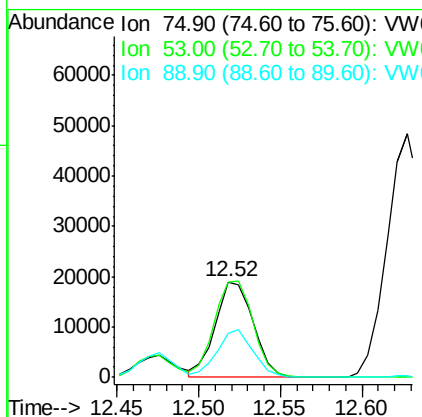
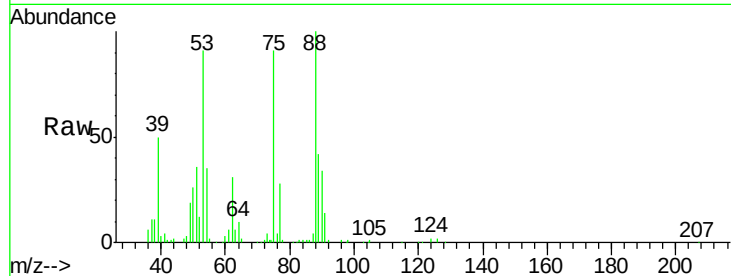
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	30945
Ion	Ratio	Lower	Upper
75	100		
53	102.6	82.6	124.0
89	47.0	39.2	58.8

Manual Integrations
APPROVED

apatel
5/16/2018 12:27:02 PM



#82

4-Chlorotoluene

Concen: 53.01 ug/l

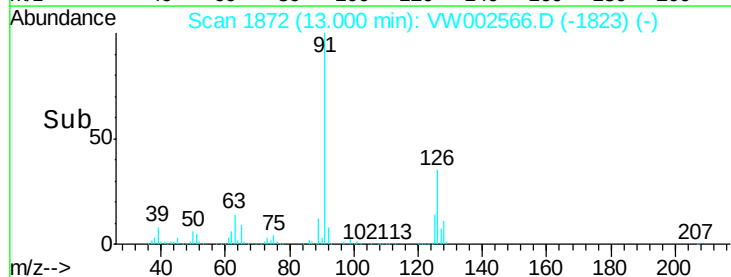
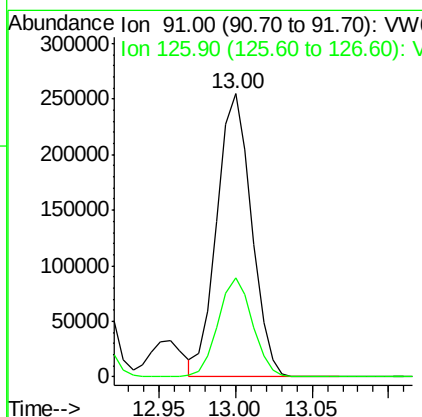
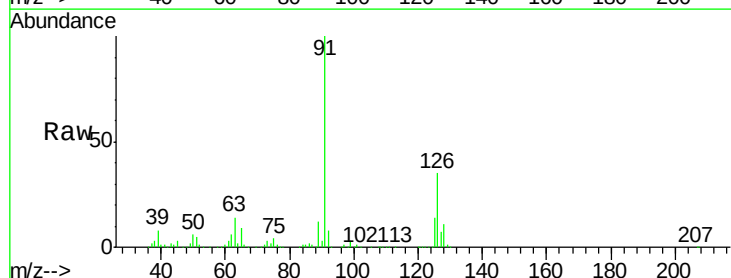
RT: 13.00 min Scan# 1872

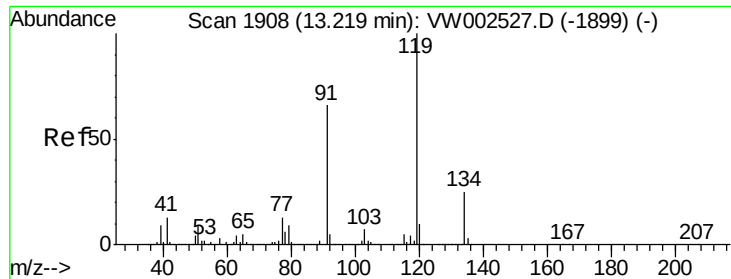
Delta R.T. -0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Tgt Ion:	91	Resp:	399264
Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.5	52.5





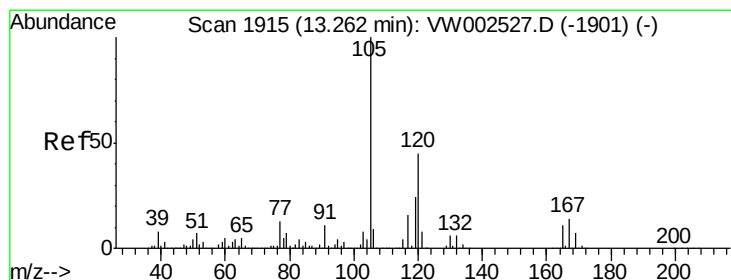
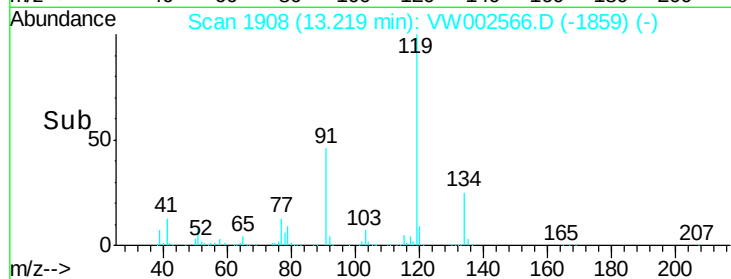
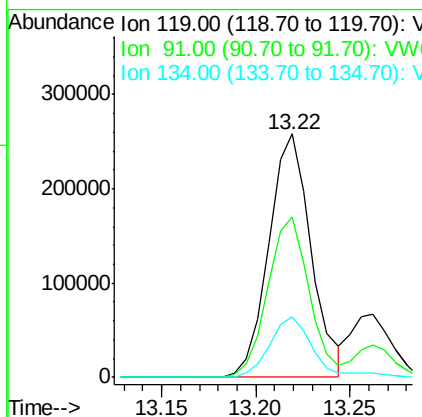
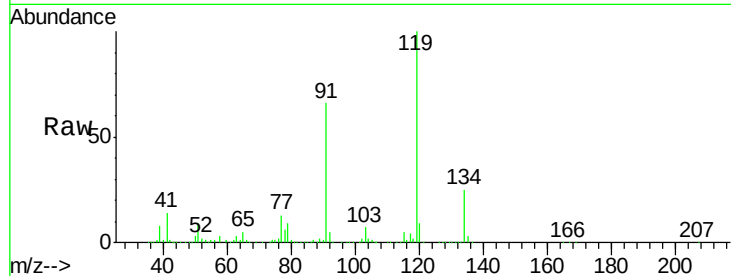
#83
 tert-Butylbenzene
 Concen: 53.60 ug/l
 RT: 13.22 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	401182		
91	64.7	32.5	97.5	
134	25.9	13.2	39.6	

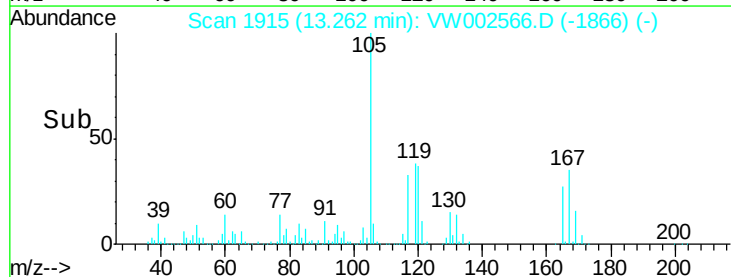
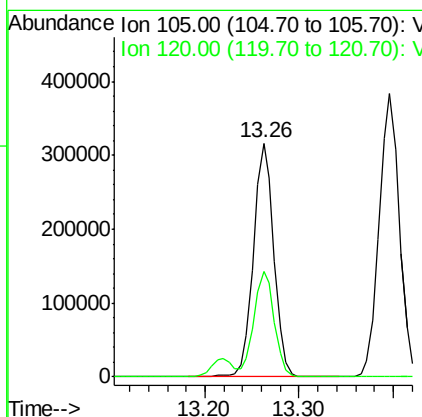
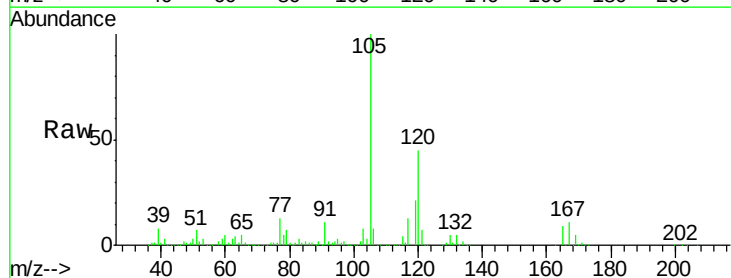
Manual Integrations
 APPROVED

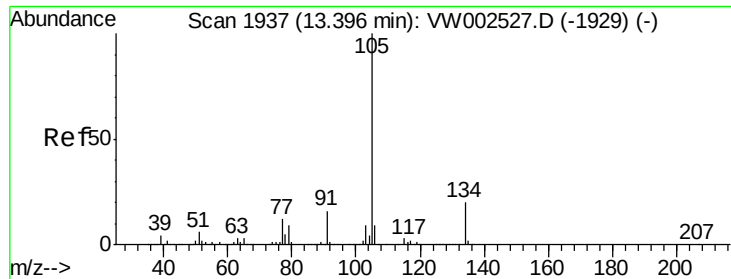
apatel
 5/16/2018 12:27:02 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.75 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	483578		
120	44.8	22.3	66.9	





#85

sec-Butylbenzene

Concen: 52.99 ug/l

RT: 13.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 569870

Ion Ratio Lower Upper

105 100

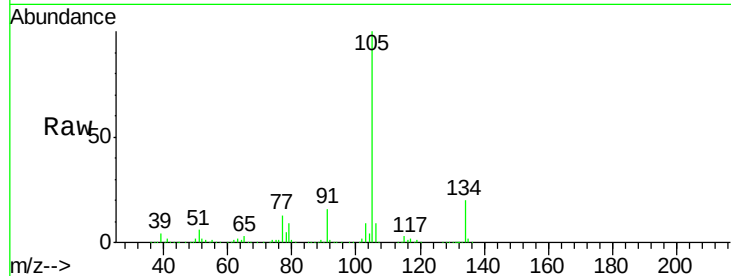
134 20.2 10.1 30.3

Manual Integrations

APPROVED

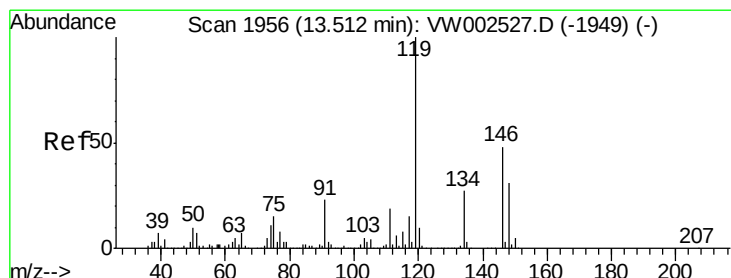
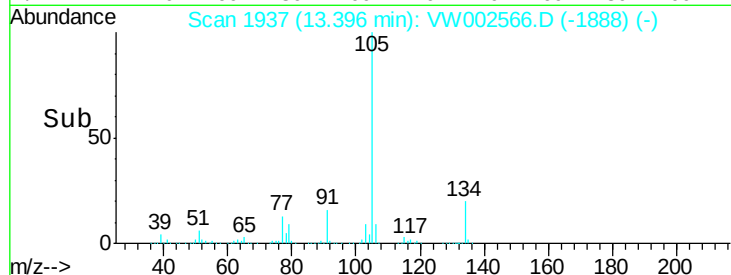
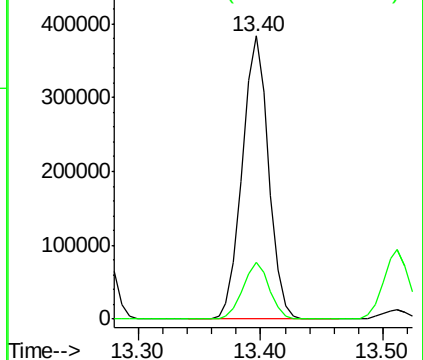
apatel

5/16/2018 12:27:02 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.76 ug/l

RT: 13.51 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

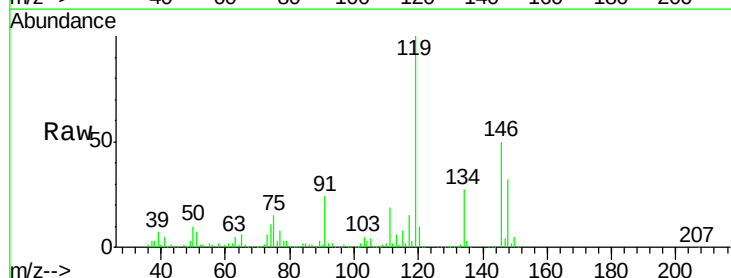
Tgt Ion:119 Resp: 520054

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

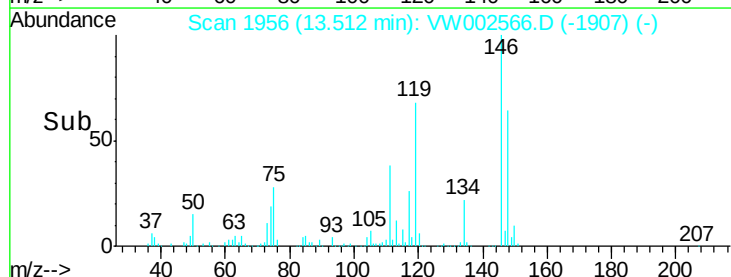
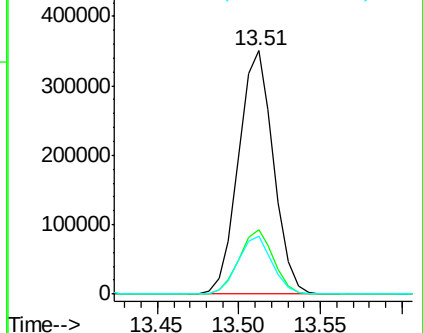
91 23.3 11.6 34.8

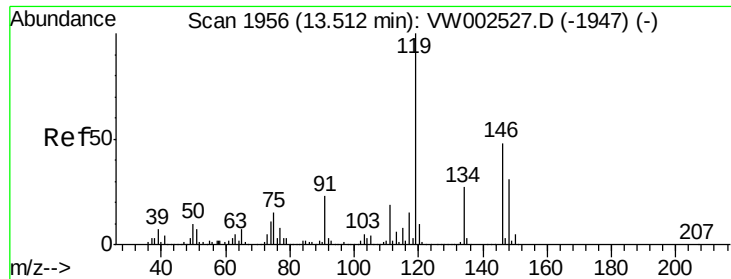


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.65 ug/l

RT: 13.51 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

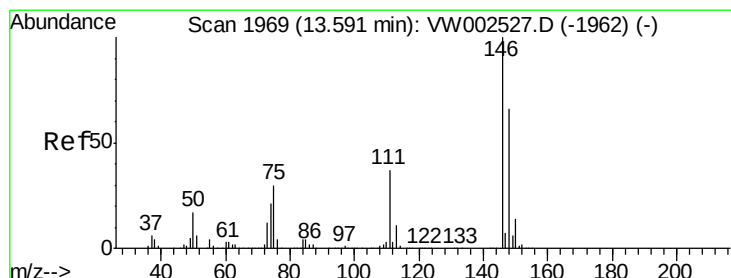
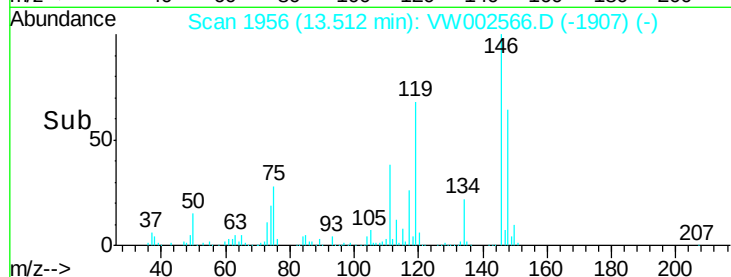
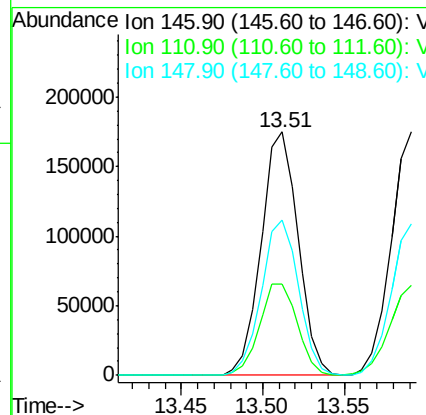
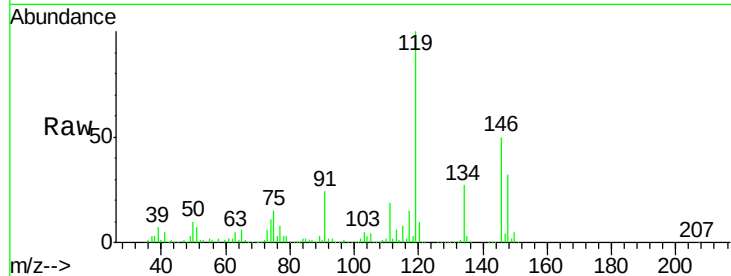
ClientSampled :

VSTDCCC050

Tot Ion:	146	Resp:	275950
Ion Ratio	Lower	Upper	
146	100		
111	38.7	19.6	58.7
148	64.3	32.3	96.8

Manual Integrations
APPROVED

apatel
5/16/2018 12:27:02 PM



#88

1,4-Dichlorobenzene

Concen: 52.94 ug/l

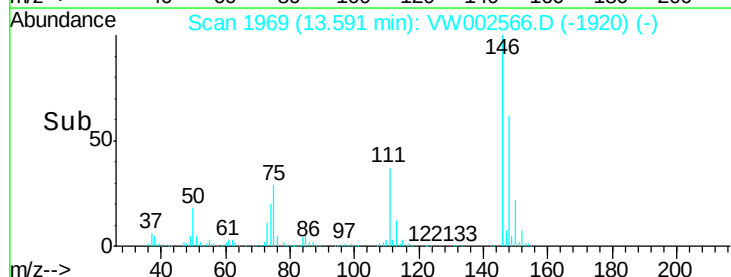
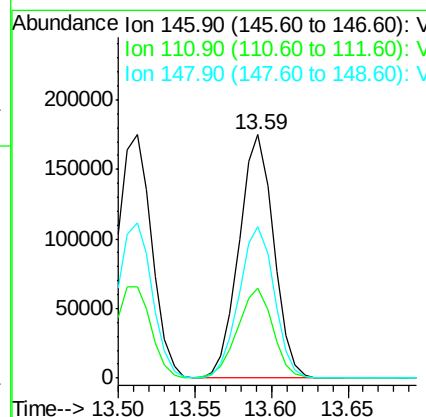
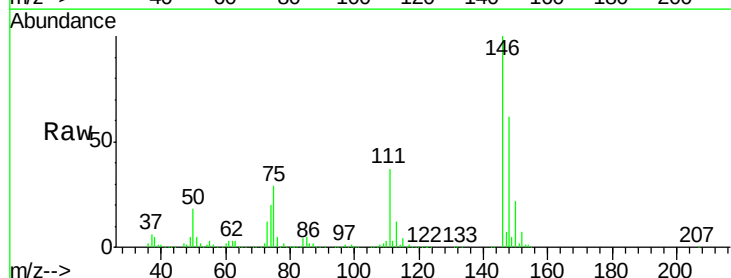
RT: 13.59 min Scan# 1969

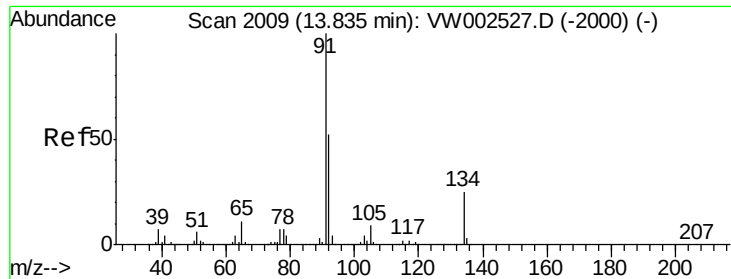
Delta R.T. -0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Tgt Ion:	146	Resp:	276036
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.9	56.5
148	63.4	32.4	97.0





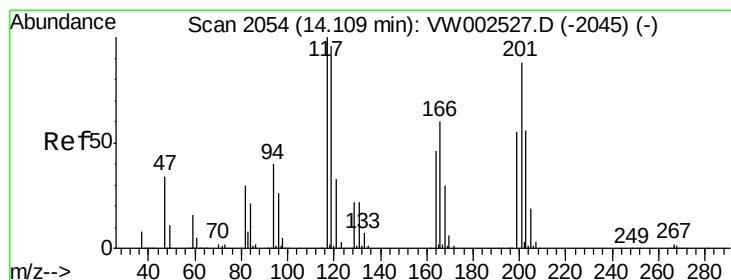
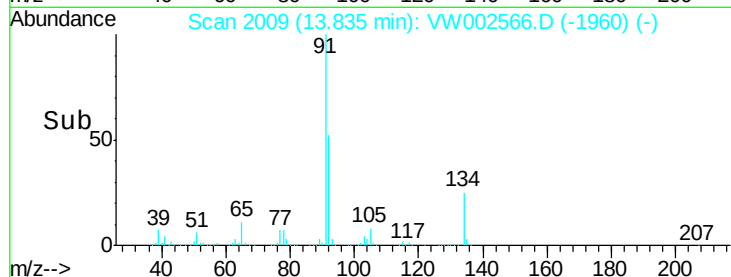
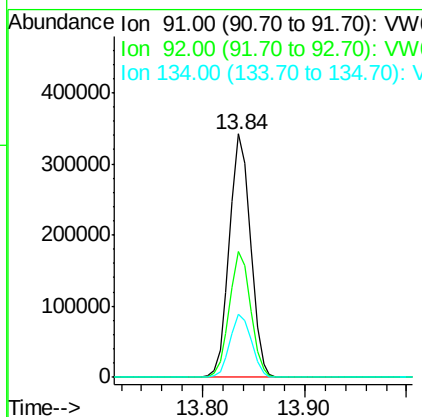
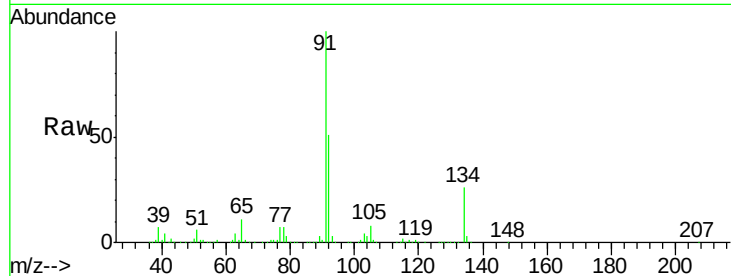
#89
n-Butylbenzene
Concen: 53.47 ug/l
RT: 13.84 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	489200		
92	51.7	26.1	78.2	
134	26.3	13.1	39.1	

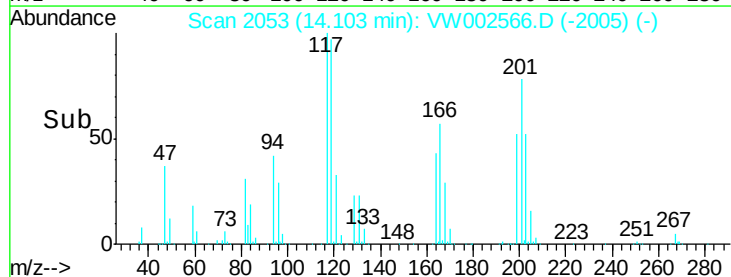
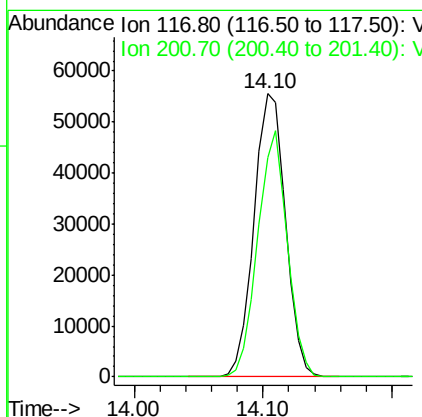
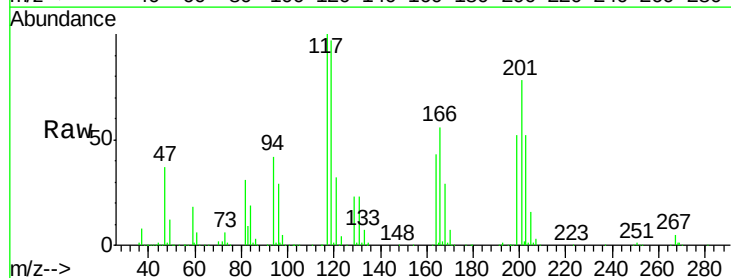
Manual Integrations
APPROVED

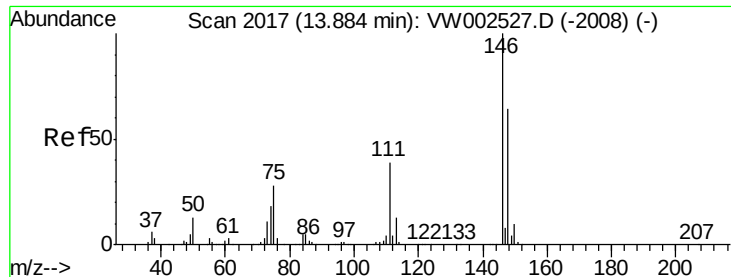
apatel
5/16/2018 12:27:02 PM



#90
Hexachloroethane
Concen: 54.06 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. -0.01 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	93642		
201	81.9	42.0	126.0	





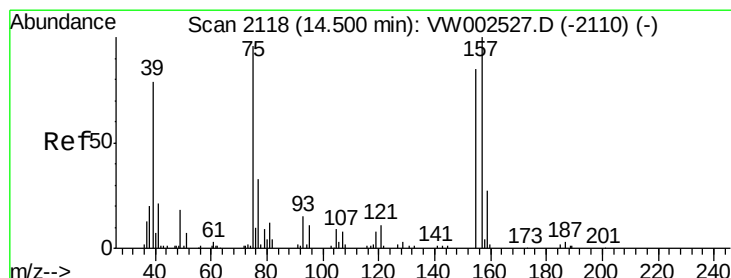
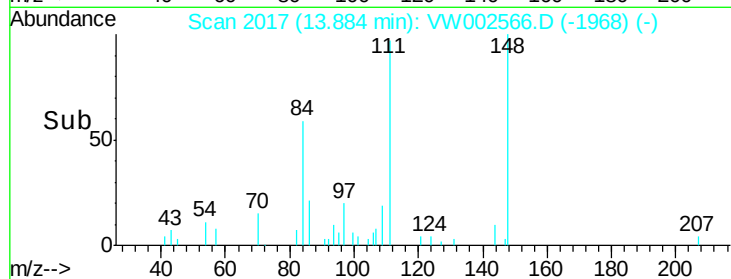
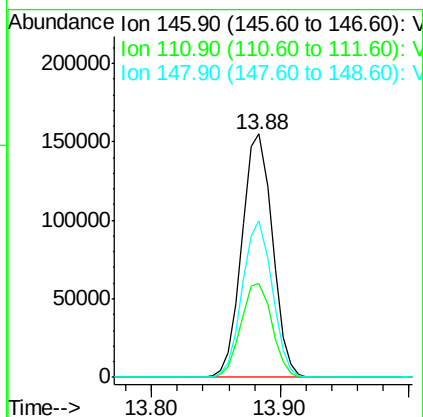
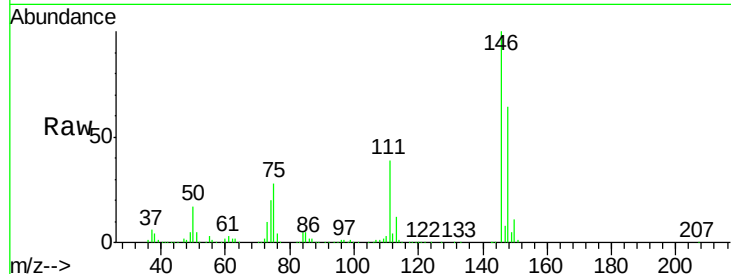
#91
 1,2-Dichlorobenzene
 Concen: 53.45 ug/l
 RT: 13.88 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	254162		
111	39.5	19.9	59.6	
148	63.1	32.1	96.3	

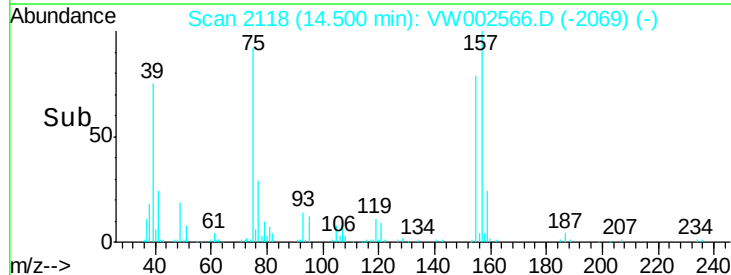
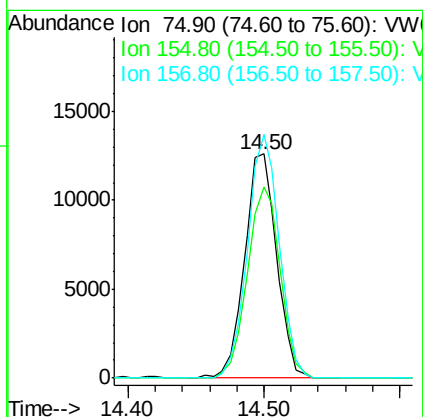
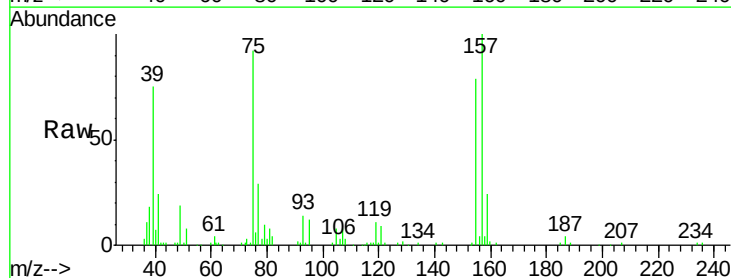
Manual Integrations
 APPROVED

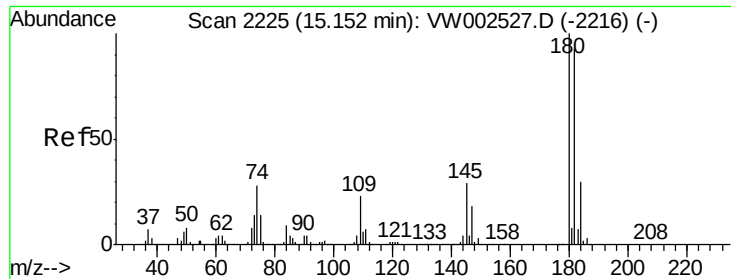
apatel
 5/16/2018 12:27:02 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.38 ug/l
 RT: 14.50 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20832		
155	87.1	42.8	128.4	
157	107.4	57.4	172.0	





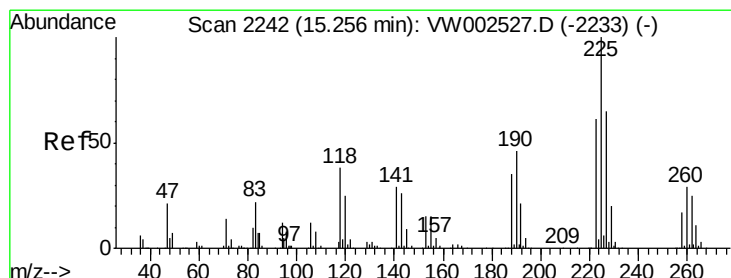
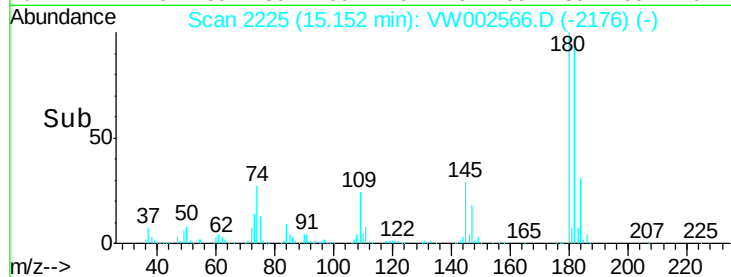
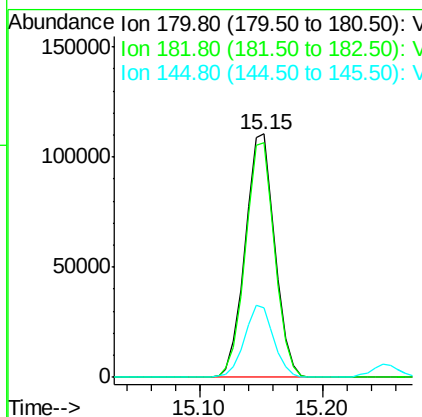
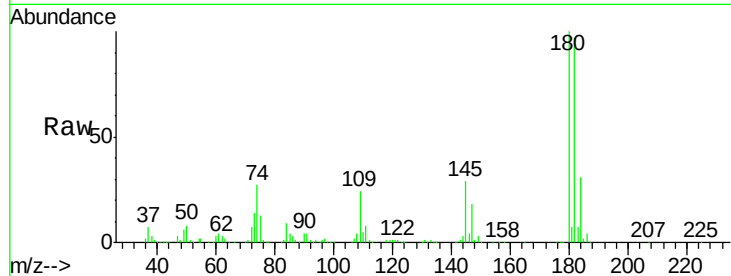
#93
 1,2,4-Trichlorobenzene
 Concen: 53.69 ug/l
 RT: 15.15 min Scan# 2225
 Delta R.T. 0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	185877		
182	95.4	47.2	141.6	
145	29.3	14.9	44.9	

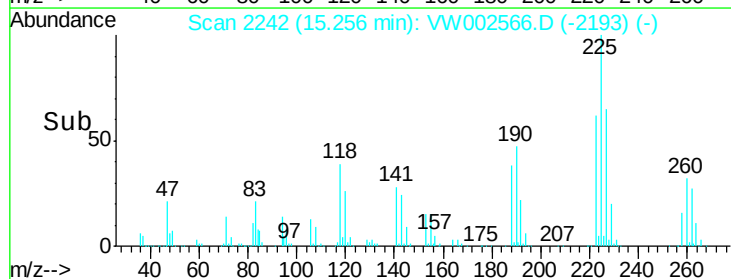
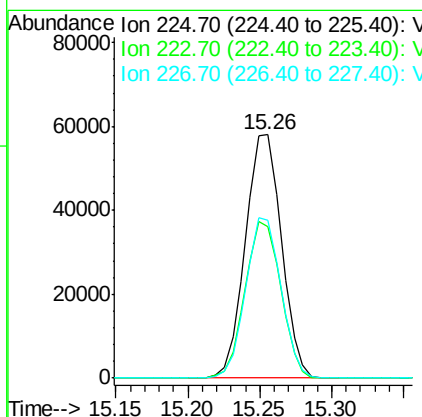
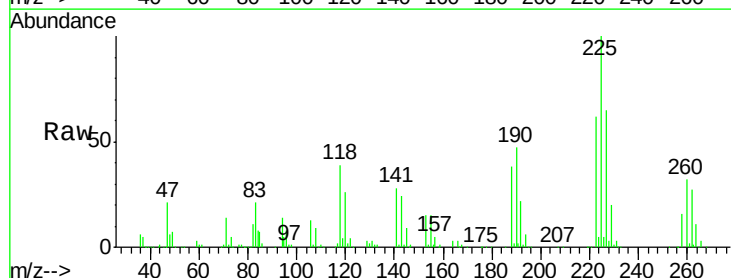
Manual Integrations
 APPROVED

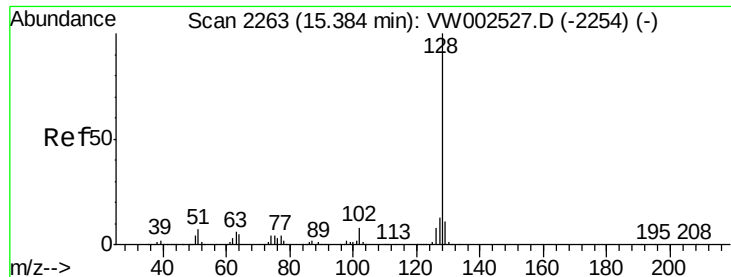
apatel
 5/16/2018 12:27:02 PM



#94
 Hexachlorobutadiene
 Concen: 52.36 ug/l
 RT: 15.26 min Scan# 2242
 Delta R.T. -0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	100860		
223	63.7	31.3	93.9	
227	64.2	31.9	95.5	





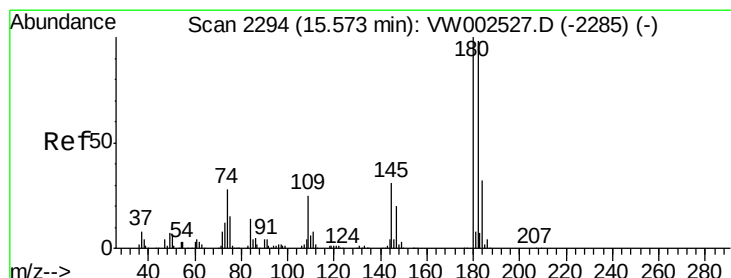
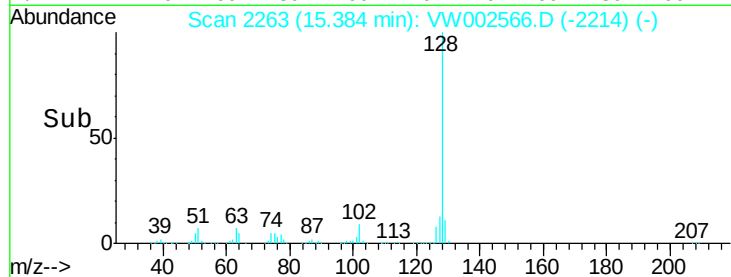
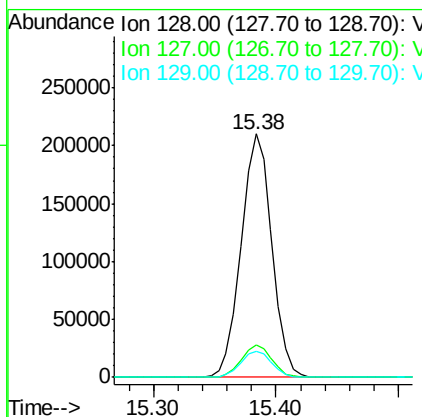
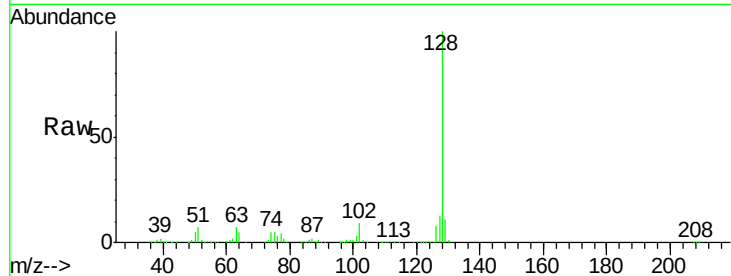
#95
Naphthalene
Concen: 57.93 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	364638		
127	13.3	10.6	15.8	
129	11.0	8.9	13.3	

Manual Integrations
APPROVED

apatel
5/16/2018 12:27:02 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.99 ug/l
RT: 15.57 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	167249		
182	96.1	47.3	141.8	
145	31.1	15.5	46.5	

