

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071618\
 Data File : VW003948.D
 Acq On : 16 Jul 2018 13:15
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 7/17/2018 10:11:07 AM

Quant Time: Jul 16 14:37:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 14:03:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	277983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	424829	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	387797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	206419	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	164430	45.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.82%	
35) Dibromofluoromethane	7.88	113	146000	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
50) Toluene-d8	10.33	98	574802	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.62	95	208423	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	75077	54.79	ug/l	100
3) Chloromethane	2.21	50	98415	39.47	ug/l	100
4) Vinyl Chloride	2.36	62	139332	42.09	ug/l	100
5) Bromomethane	2.77	94	81947	35.84	ug/l	100
6) Chloroethane	2.92	64	77018	39.01	ug/l	100
7) Trichlorofluoromethane	3.25	101	56071	41.89	ug/l	100
8) Diethyl Ether	3.67	74	66909	47.33	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	132623	50.07	ug/l	100
10) Methyl Iodide	4.26	142	194993	49.58	ug/l	100
11) Tert butyl alcohol	5.19	59	52982	265.73	ug/l	100
12) 1,1-Dichloroethene	4.03	96	132074	50.68	ug/l	100
13) Acrolein	3.89	56	49796	204.16	ug/l	100
14) Allyl chloride	4.65	41	214199	47.82	ug/l	100
15) Acrylonitrile	5.37	53	174598	252.62	ug/l	100
16) Acetone	4.12	43	178535	280.93	ug/l	100
17) Carbon Disulfide	4.37	76	415171	48.66	ug/l	100
18) Methyl Acetate	4.67	43	89646	51.68	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	261822	49.43	ug/l	100
20) Methylene Chloride	4.91	84	161702	44.76	ug/l	100
21) trans-1,2-Dichloroethene	5.41	96	145813	47.62	ug/l	100
22) Diisopropyl ether	6.31	45	456221	46.73	ug/l	100
23) Vinyl Acetate	6.26	43	1477806	246.66	ug/l	100
24) 1,1-Dichloroethane	6.21	63	270425	45.43	ug/l	100
25) 2-Butanone	7.18	43	249537	255.74	ug/l	100
26) 2,2-Dichloropropane	7.17	77	148807	45.79	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	157637	46.63	ug/l	100
28) Bromochloromethane	7.51	49	106944	40.80	ug/l	100
29) Tetrahydrofuran	7.53	42	158843	254.21	ug/l	100
30) Chloroform	7.68	83	266304	44.07	ug/l	100
31) Cyclohexane	7.95	56	245026	46.44	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	207789	45.04	ug/l	100
36) 1,1-Dichloropropene	8.08	75	220358	49.26	ug/l	100
37) Ethyl Acetate	7.26	43	106912	49.39	ug/l	100
38) Carbon Tetrachloride	8.07	117	203993	48.04	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071618\
 Data File : VW003948.D
 Acq On : 16 Jul 2018 13:15
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 7/17/2018 10:11:07 AM

Quant Time: Jul 16 14:37:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 14:03:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	266520	53.85	ug/l	100
40) Benzene	8.32	78	605948	47.57	ug/l	100
41) Methacrylonitrile	7.49	41	56076	45.86	ug/l	100
42) 1,2-Dichloroethane	8.40	62	185580	45.43	ug/l	100
43) Isopropyl Acetate	8.43	43	201808	49.43	ug/l	100
44) Trichloroethene	9.09	130	155667	48.30	ug/l	100
45) 1,2-Dichloropropane	9.37	63	155492	47.05	ug/l	100
46) Dibromomethane	9.46	93	81057	46.87	ug/l	100
47) Bromodichloromethane	9.65	83	199084	46.71	ug/l	100
48) Methyl methacrylate	9.44	41	99601	51.28	ug/l	100
49) 1,4-Dioxane	9.45	88	25979	1000.13	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	545960	258.97	ug/l	100
52) Toluene	10.39	92	377430	47.92	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	212046	49.69	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	241395	49.96	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	113194	47.11	ug/l	100
56) Ethyl methacrylate	10.65	69	157415	53.58	ug/l	100
57) 1,3-Dichloropropane	10.93	76	199734	47.75	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	350693	258.23	ug/l	100
59) 2-Hexanone	10.98	43	385297	266.05	ug/l	100
60) Dibromochloromethane	11.13	129	133252	47.60	ug/l	100
61) 1,2-Dibromoethane	11.24	107	108408	47.34	ug/l	100
64) Tetrachloroethene	10.87	164	129425	45.94	ug/l	100
65) Chlorobenzene	11.66	112	408438	48.19	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	144791	48.84	ug/l	100
67) Ethyl Benzene	11.74	91	738170	50.83	ug/l	100
68) m/p-Xylenes	11.84	106	564064	101.57	ug/l	100
69) o-Xylene	12.17	106	264327	51.54	ug/l	100
70) Styrene	12.18	104	446136	51.39	ug/l	100
71) Bromoform	12.35	173	83445	51.10	ug/l	100
73) Isopropylbenzene	12.47	105	728046	52.15	ug/l	100
74) N-amyl acetate	12.28	43	195608	52.10	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	140007	49.83	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	96713m	41.38	ug/l	
77) Bromobenzene	12.75	156	171251	49.49	ug/l	100
78) n-propylbenzene	12.81	91	901599	51.54	ug/l	100
79) 2-Chlorotoluene	12.90	91	495144	49.44	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	617841	51.47	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	46787	56.11	ug/l	100
82) 4-Chlorotoluene	12.99	91	534168	49.60	ug/l	100
83) tert-Butylbenzene	13.21	119	526975	53.10	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	638522	51.26	ug/l	100
85) sec-Butylbenzene	13.39	105	773841	52.11	ug/l	100
86) p-Isopropyltoluene	13.51	119	686400	52.90	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	342448	48.97	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	336935	48.03	ug/l	100
89) n-Butylbenzene	13.83	91	672153	52.58	ug/l	100
90) Hexachloroethane	14.10	117	122264	49.08	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	304011	48.42	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	24547	50.56	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071618\
Data File : VW003948.D
Acq On : 16 Jul 2018 13:15
Operator : VA/AP
Sample : VSTDICCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

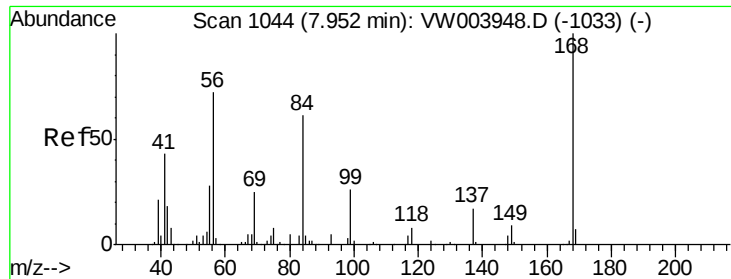
Manual Integrations
APPROVED

apatel
7/17/2018 10:11:07 AM

Quant Time: Jul 16 14:37:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 16 14:03:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	218060	51.08	ug/l	100
94) Hexachlorobutadiene	15.25	225	122618	50.02	ug/l	100
95) Naphthalene	15.38	128	418462	55.14	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	193619	50.84	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003948.D

Acq: 16 Jul 2018 13:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 277983

Ion Ratio Lower Upper

168 100

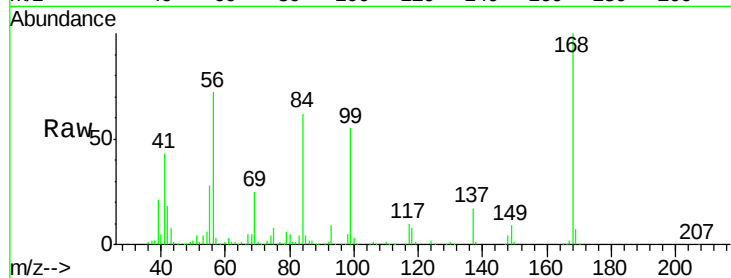
99 54.7 43.8 65.6

Manual Integrations

APPROVED

apatel

7/17/2018 10:11:07 AM



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

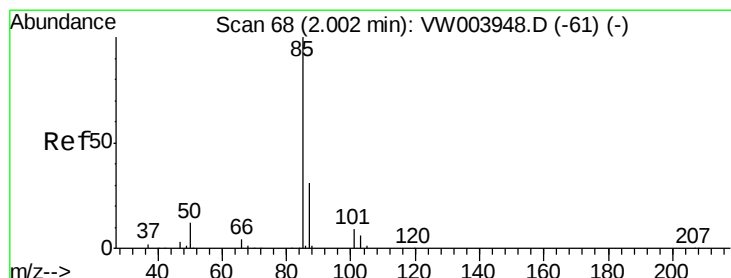
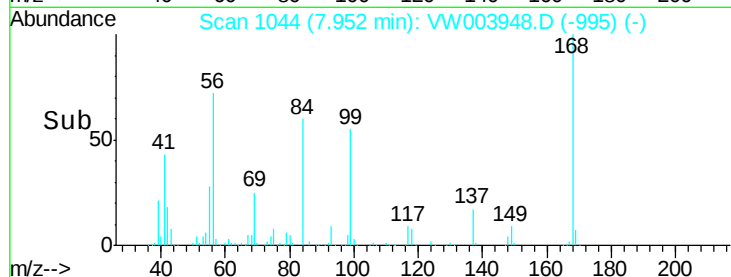
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 54.79 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003948.D

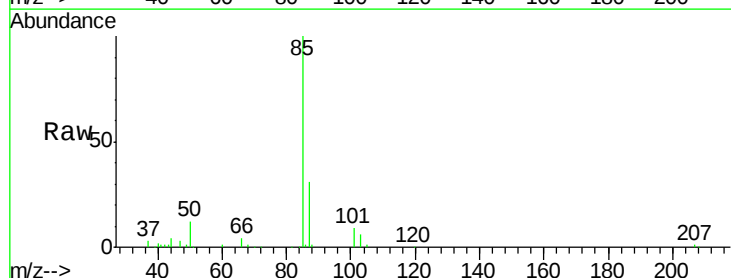
Acq: 16 Jul 2018 13:15

Tgt Ion: 85 Resp: 75077

Ion Ratio Lower Upper

85 100

87 30.8 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

25000

20000

15000

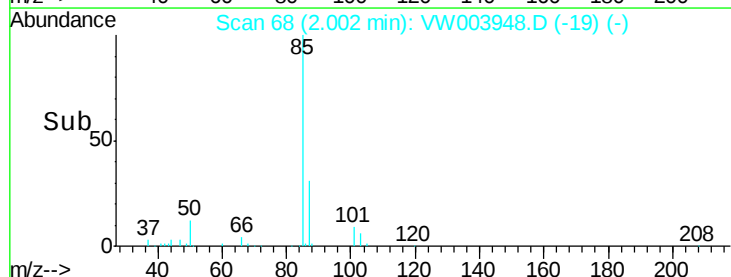
10000

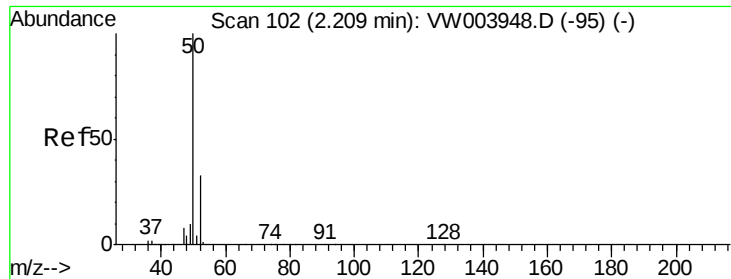
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 39.47 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003948.D

Acq: 16 Jul 2018 13:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 98415

Ion Ratio Lower Upper

50 100

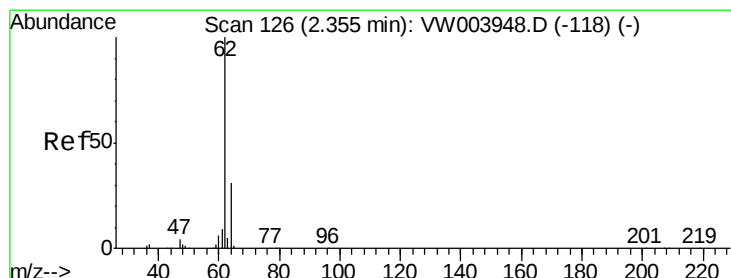
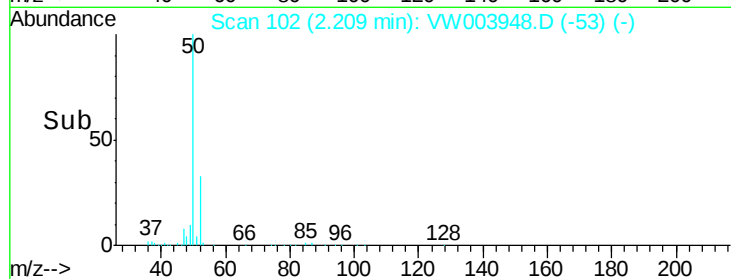
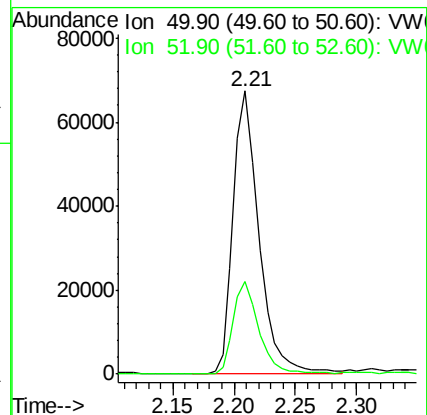
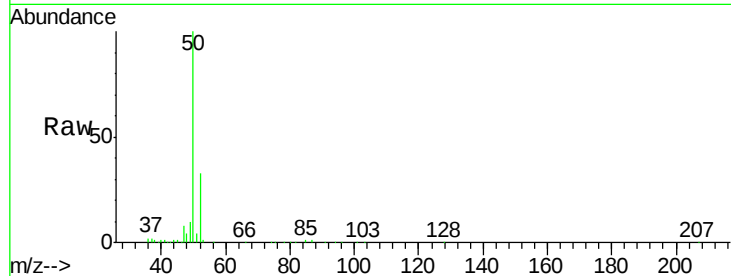
52 32.9 26.3 39.5

Manual Integrations

APPROVED

apatel

7/17/2018 10:11:07 AM



#4

Vinyl Chloride

Concen: 42.09 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003948.D

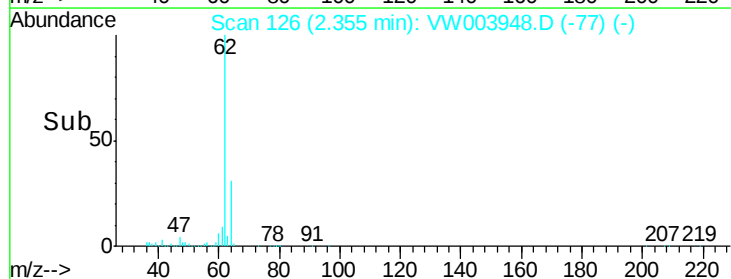
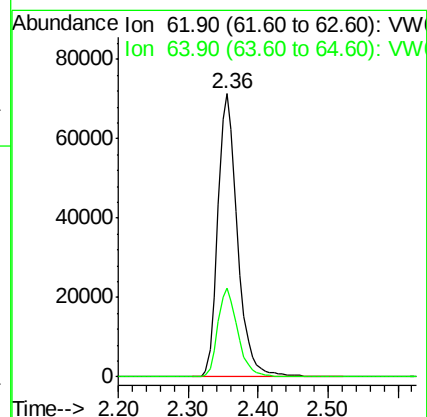
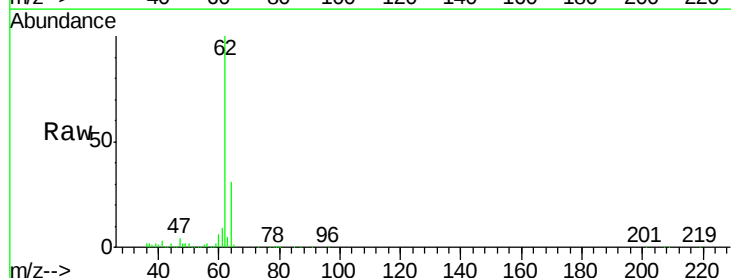
Acq: 16 Jul 2018 13:15

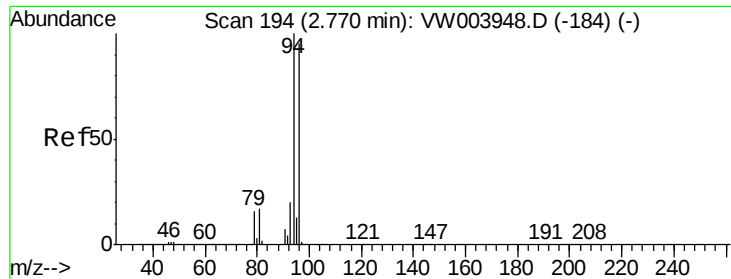
Tgt Ion: 62 Resp: 139332

Ion Ratio Lower Upper

62 100

64 31.3 25.0 37.6





#5

Bromomethane

Concen: 35.84 ug/l

RT: 2.77 min Scan# 194

Delta R.T. 0.00 min

Lab File: VW003948.D

Acq: 16 Jul 2018 13:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 81947

Ion Ratio Lower Upper

94 100

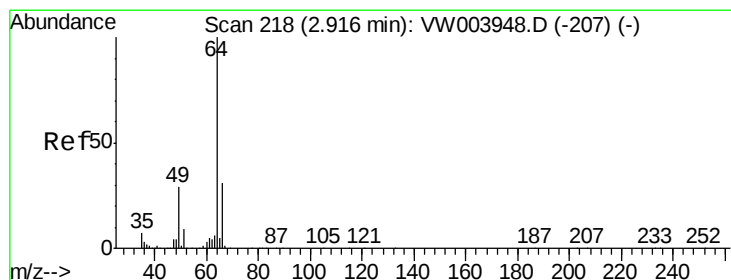
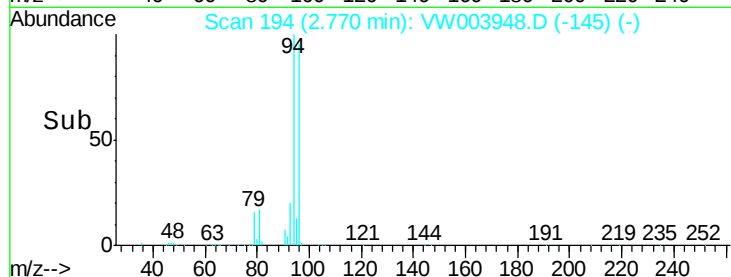
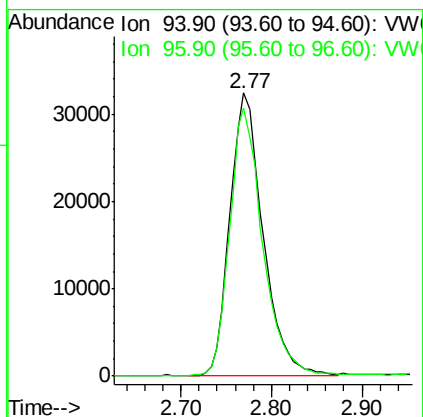
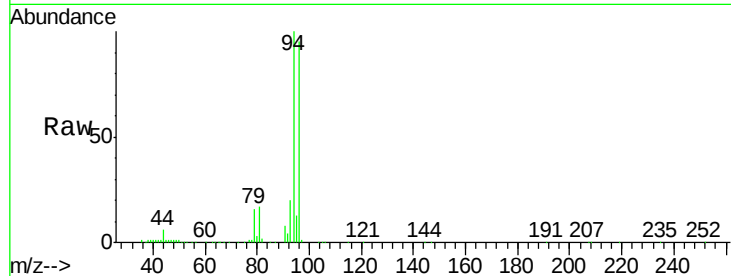
96 94.7 75.8 113.6

Manual Integrations

APPROVED

apatel

7/17/2018 10:11:07 AM



#6

Chloroethane

Concen: 39.01 ug/l

RT: 2.92 min Scan# 218

Delta R.T. 0.00 min

Lab File: VW003948.D

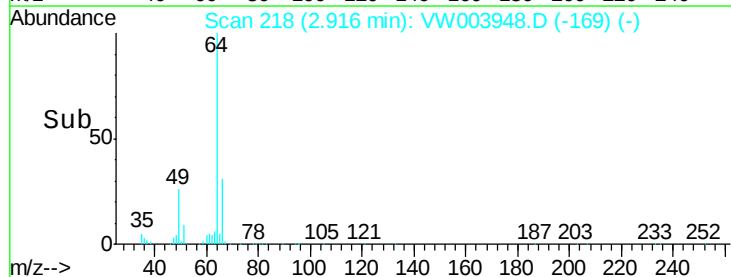
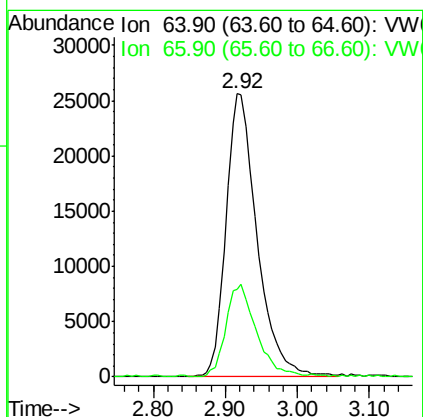
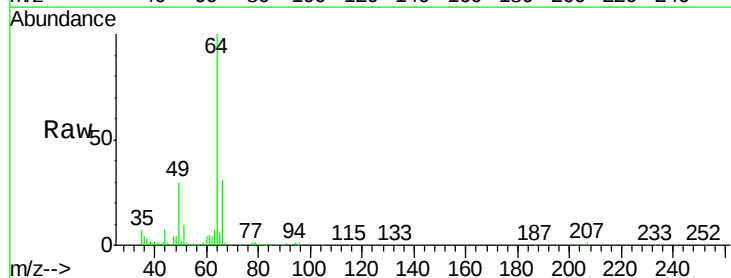
Acq: 16 Jul 2018 13:15

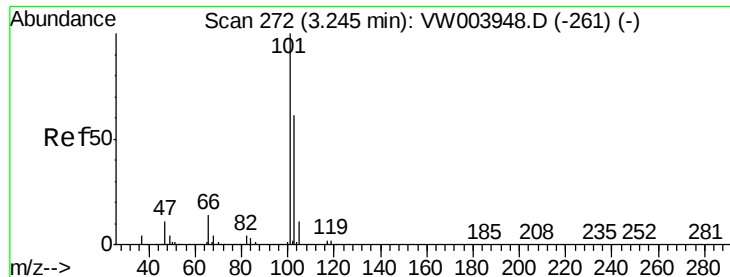
Tgt Ion: 64 Resp: 77018

Ion Ratio Lower Upper

64 100

66 30.6 24.5 36.7





#7

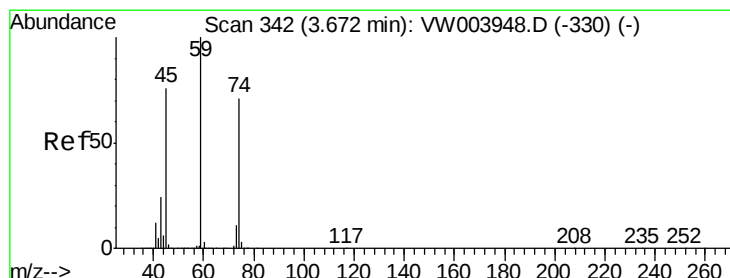
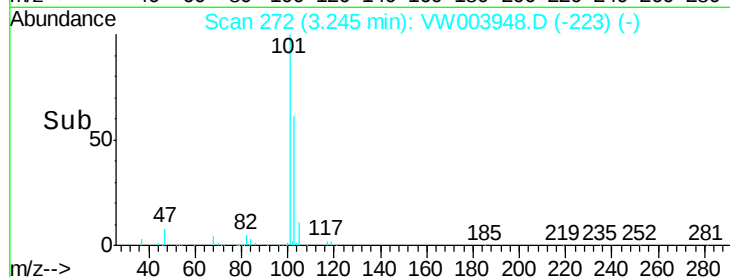
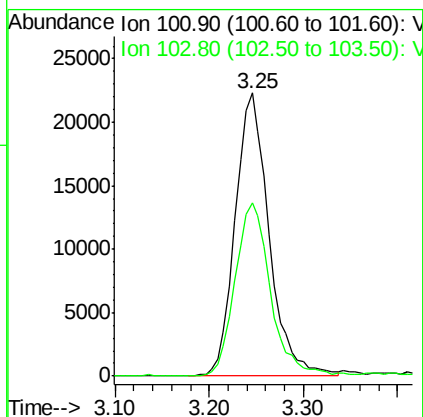
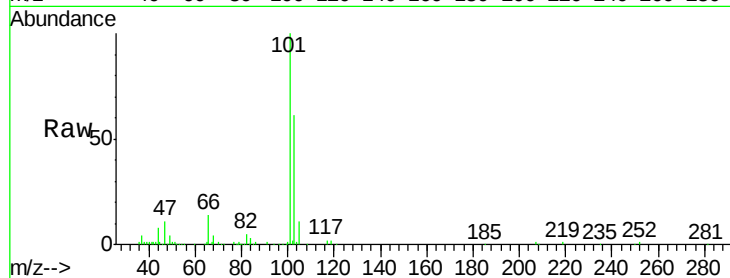
Trichlorofluoromethane
Concen: 41.89 ug/l
RT: 3.25 min Scan# 272
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.3	49.0	73.6

Manual Integrations
APPROVED

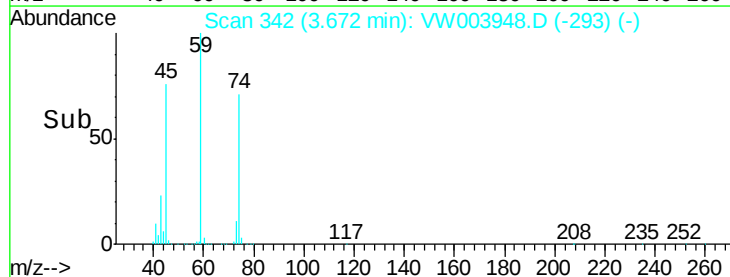
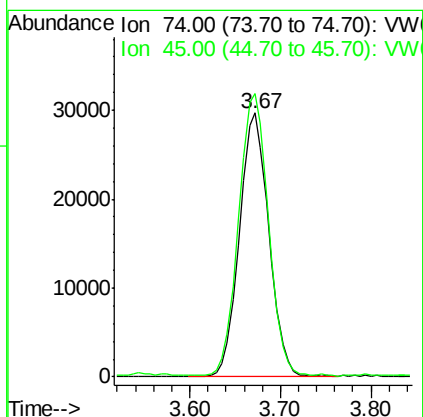
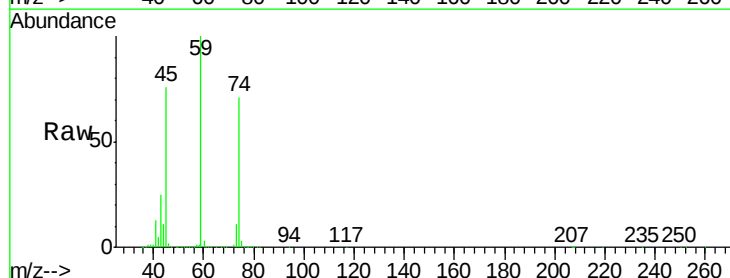
apatel
7/17/2018 10:11:07 AM

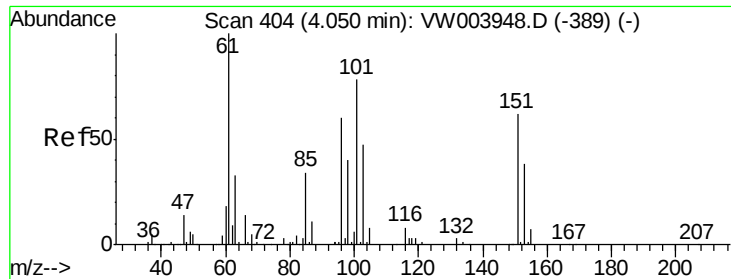


#8

Diethyl Ether
Concen: 47.33 ug/l
RT: 3.67 min Scan# 342
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.6	53.8	161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.07 ug/l

RT: 4.05 min Scan# 404

Delta R.T. 0.00 min

Lab File: VW003948.D

Acq: 16 Jul 2018 13:15

Instrument :

MSVOA_W

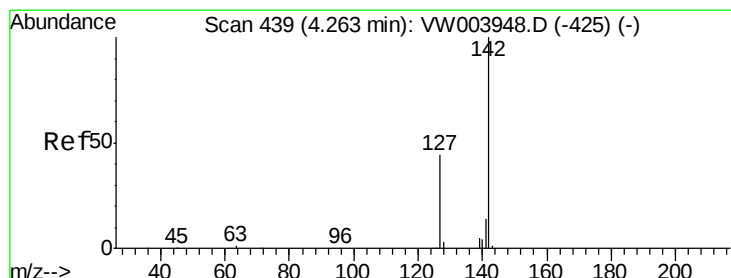
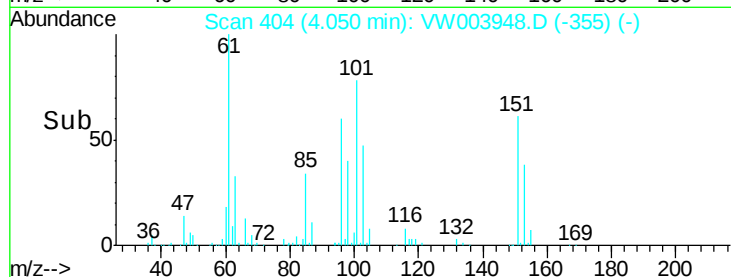
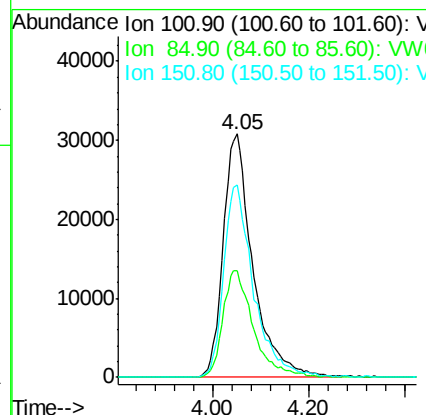
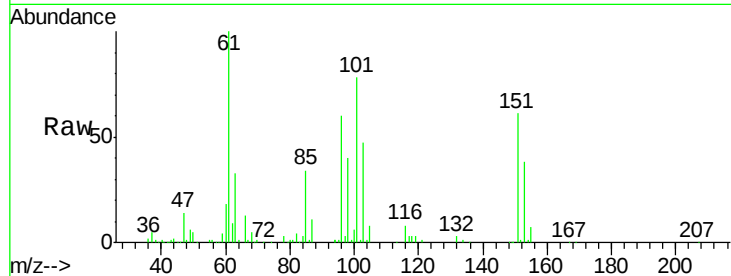
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	132623
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.8	53.6
151	79.5	63.6	95.4

Manual Integrations
APPROVED

apatel
7/17/2018 10:11:07 AM



#10

Methyl Iodide

Concen: 49.58 ug/l

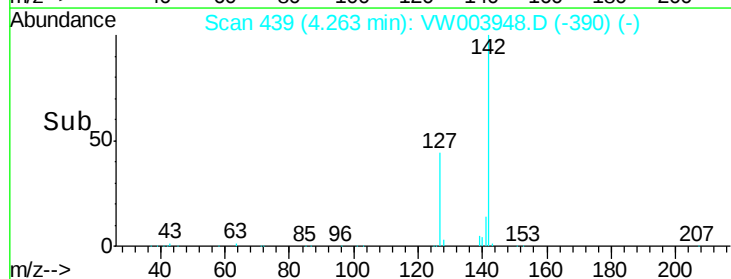
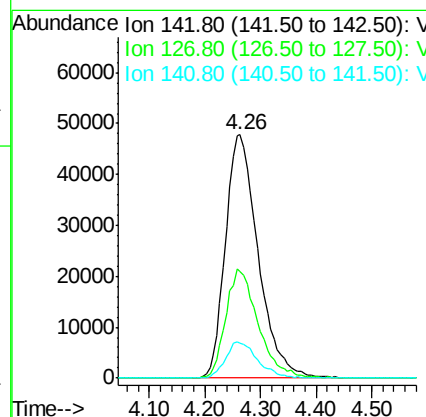
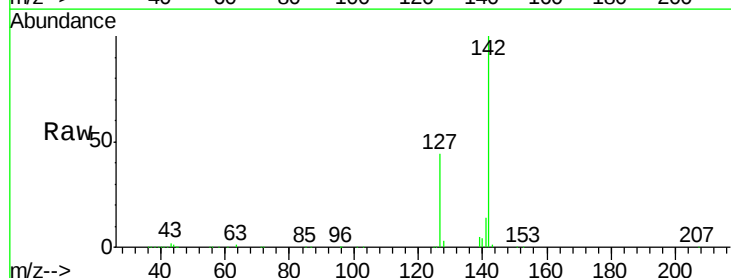
RT: 4.26 min Scan# 439

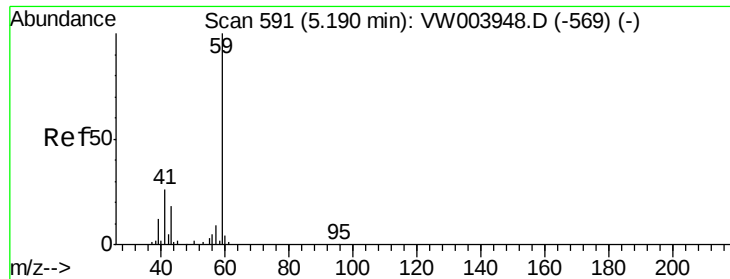
Delta R.T. 0.00 min

Lab File: VW003948.D

Acq: 16 Jul 2018 13:15

Tgt Ion:	142	Resp:	194993
Ion Ratio	Lower	Upper	
142	100		
127	44.3	35.4	53.2
141	14.6	11.7	17.5





#11

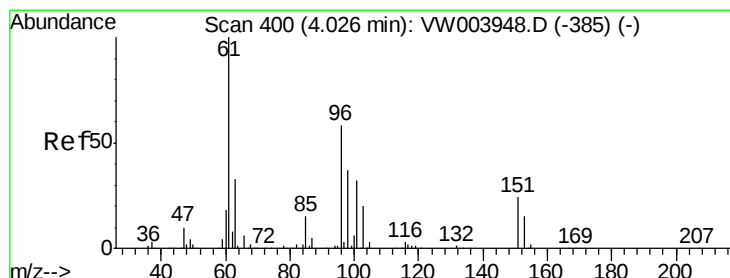
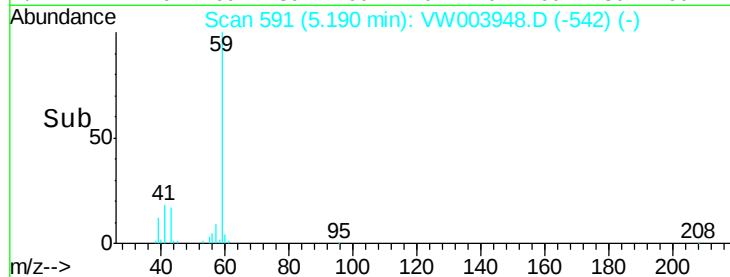
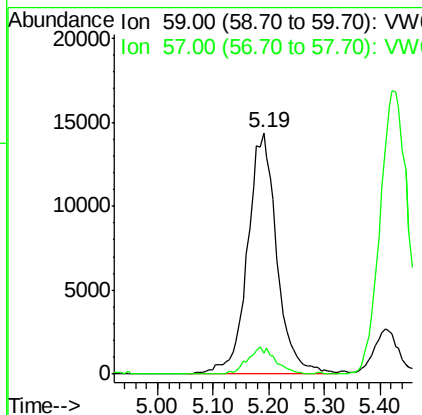
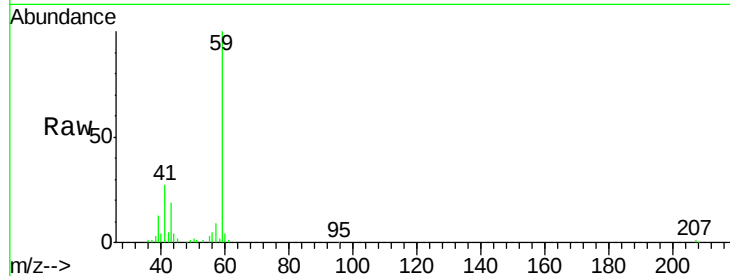
Tert butyl alcohol
Concen: 265.73 ug/l
RT: 5.19 min Scan# 591
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	59	Resp	52982
Ion Ratio	100	Lower	Upper
57	10.6	8.5	12.7

Manual Integrations
APPROVED

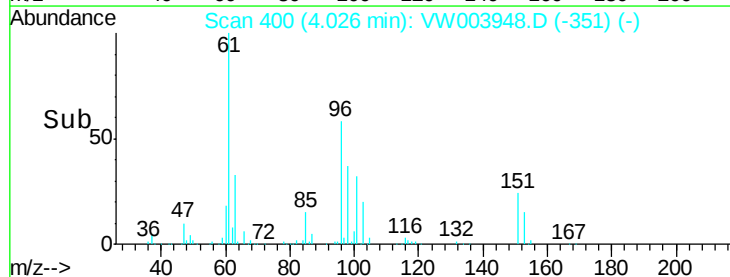
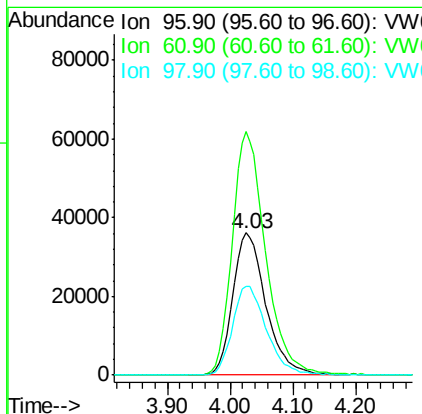
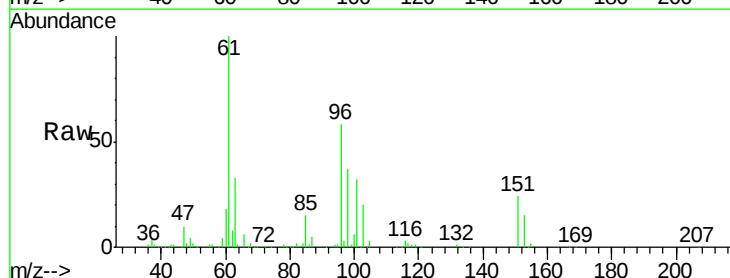
apatel
7/17/2018 10:11:07 AM

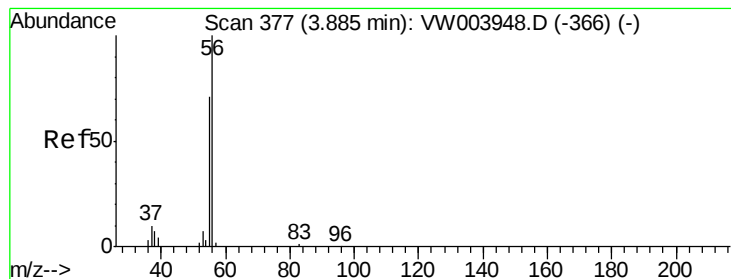


#12

1,1-Dichloroethene
Concen: 50.68 ug/l
RT: 4.03 min Scan# 400
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Tgt Ion	96	Resp	132074
Ion Ratio	100	Lower	Upper
61	171.3	137.0	205.6
98	62.8	50.2	75.4





#13

Acrolein

Concen: 204.16 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.00 min

Lab File: VW003948.D

Acq: 16 Jul 2018 13:15

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 56 Resp: 49796

Ion Ratio Lower Upper

56 100

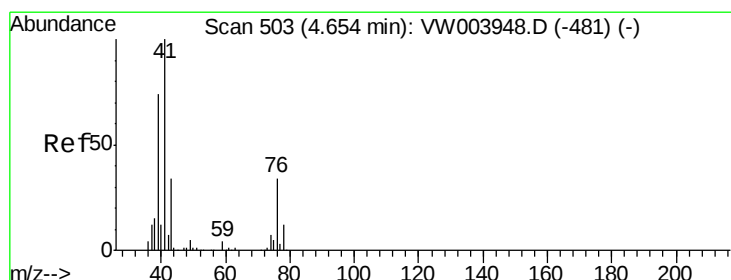
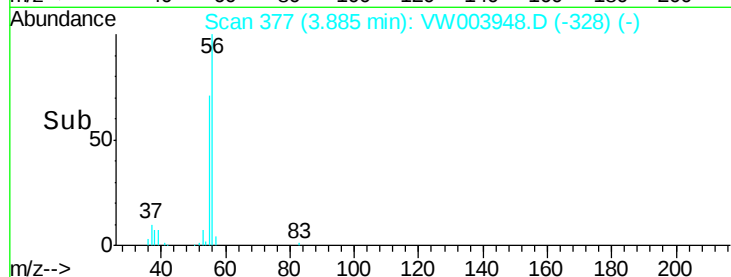
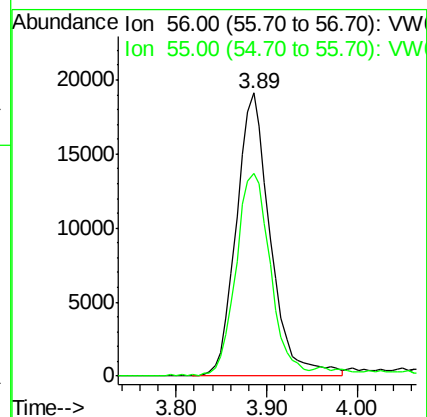
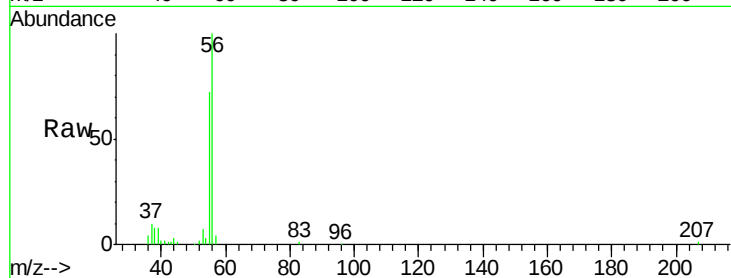
55 72.8 58.2 87.4

Manual Integrations

APPROVED

apatel

7/17/2018 10:11:07 AM



#14

Allyl chloride

Concen: 47.82 ug/l

RT: 4.65 min Scan# 503

Delta R.T. 0.00 min

Lab File: VW003948.D

Acq: 16 Jul 2018 13:15

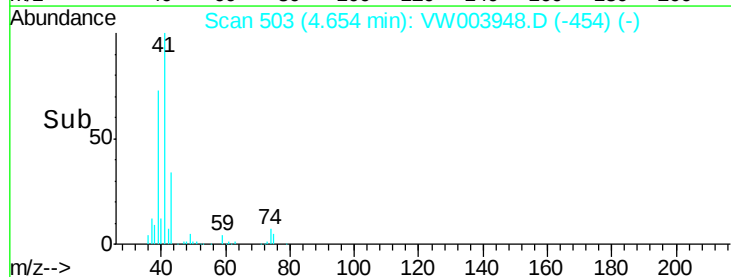
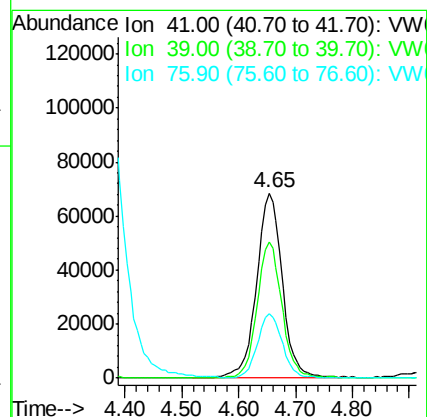
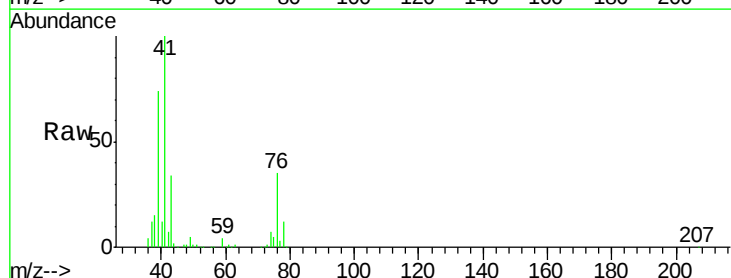
Tgt Ion: 41 Resp: 214199

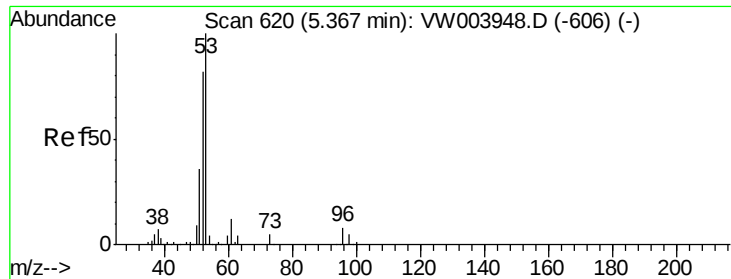
Ion Ratio Lower Upper

41 100

39 71.2 57.0 85.4

76 33.1 26.5 39.7





#15

Acrylonitrile

Concen: 252.62 ug/l

RT: 5.37 min Scan# 620

Delta R.T. 0.00 min

Lab File: VW003948.D

Acq: 16 Jul 2018 13:15

Instrument :

MSVOA_W

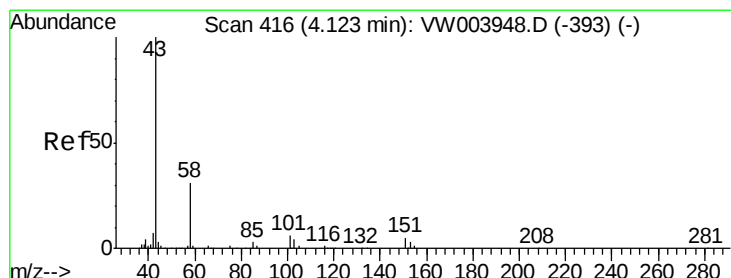
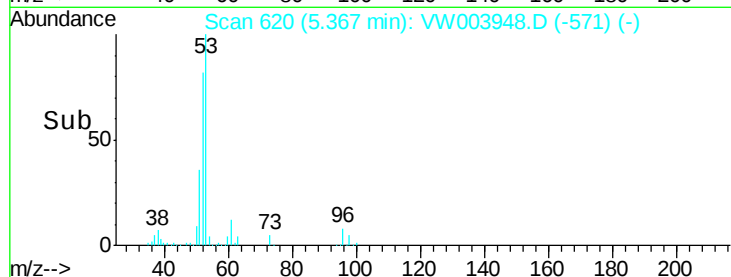
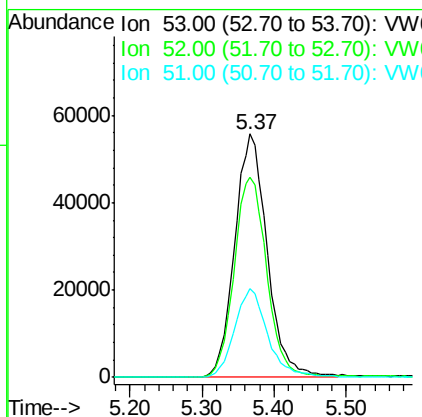
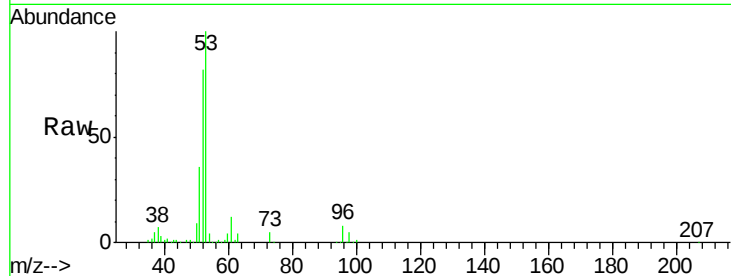
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	174598
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.1	99.1
51	37.2	29.8	44.6

Manual Integrations
APPROVED

apatel
7/17/2018 10:11:07 AM



#16

Acetone

Concen: 280.93 ug/l

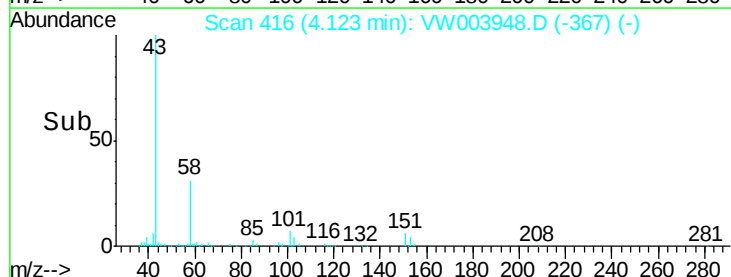
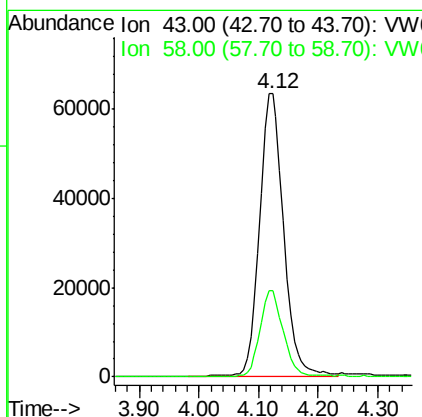
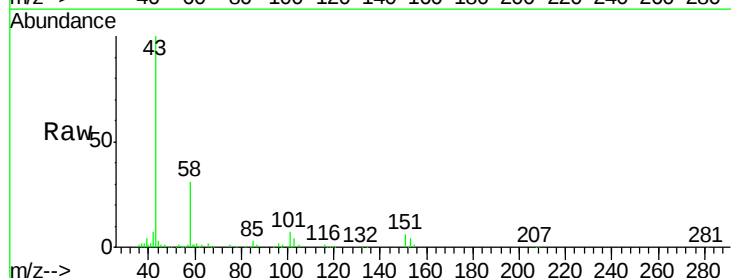
RT: 4.12 min Scan# 416

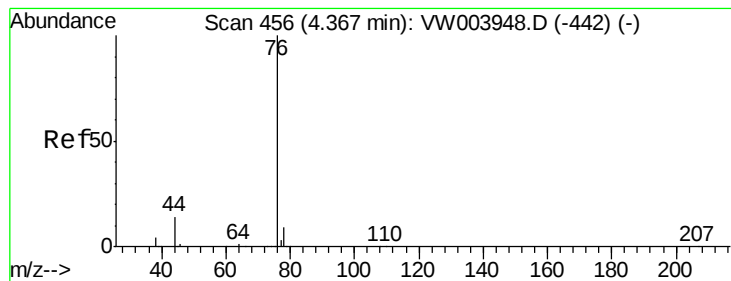
Delta R.T. 0.00 min

Lab File: VW003948.D

Acq: 16 Jul 2018 13:15

Tgt Ion:	43	Resp:	178535
Ion Ratio	Lower	Upper	
43	100		
58	30.6	24.5	36.7





#17

Carbon Disulfide

Concen: 48.66 ug/l

RT: 4.37 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW003948.D

Acq: 16 Jul 2018 13:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 415171

Ion Ratio Lower Upper

76 100

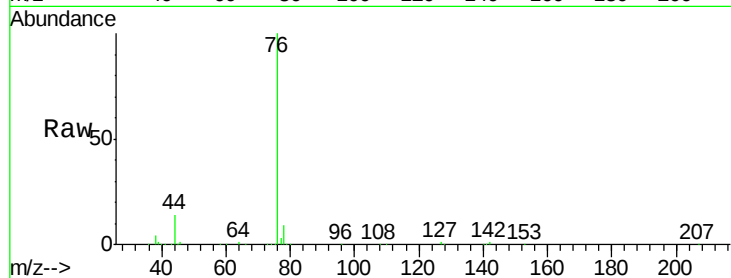
78 8.9 7.1 10.7

Manual Integrations

APPROVED

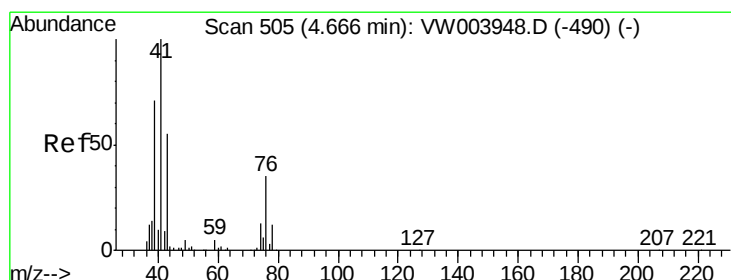
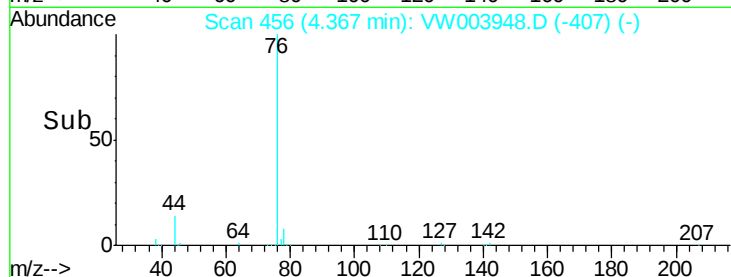
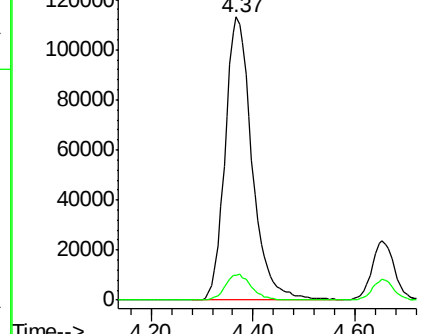
apatel

7/17/2018 10:11:07 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 51.68 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.00 min

Lab File: VW003948.D

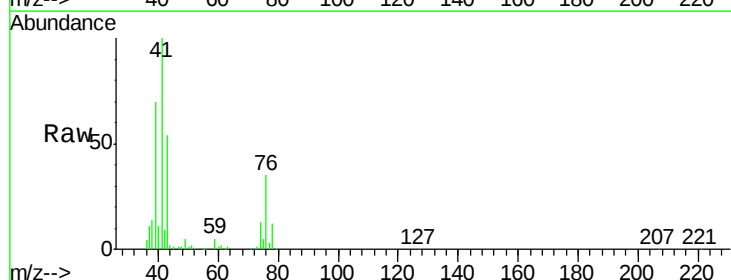
Acq: 16 Jul 2018 13:15

Tgt Ion: 43 Resp: 89646

Ion Ratio Lower Upper

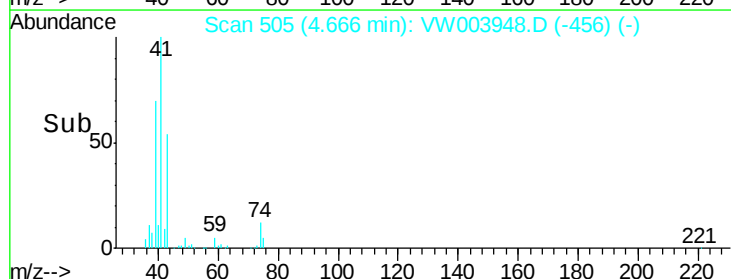
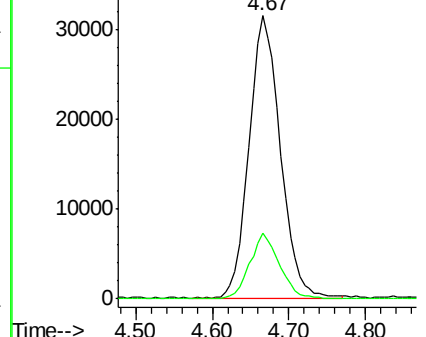
43 100

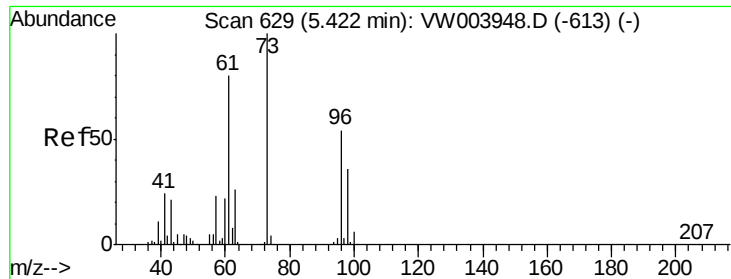
74 22.1 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





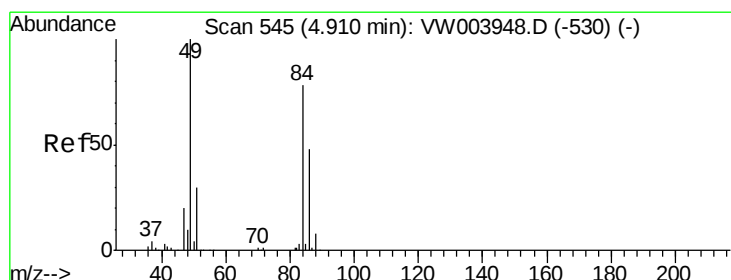
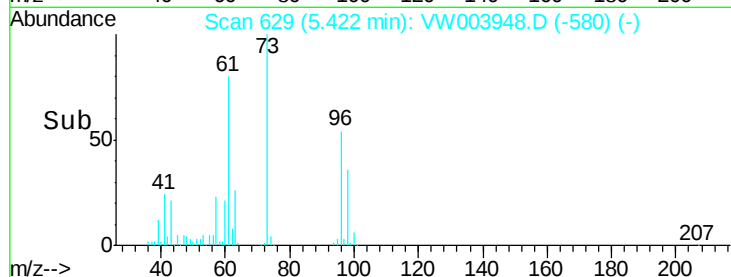
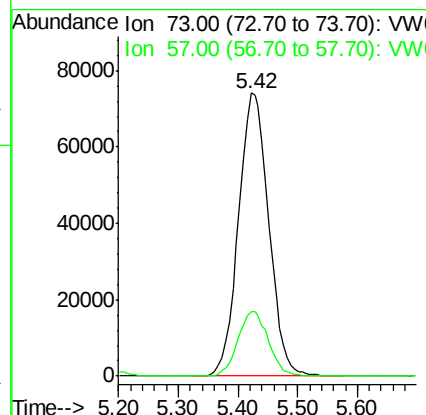
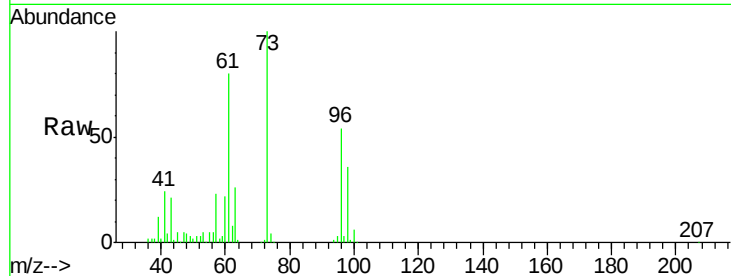
#19
Methvl tert-butvl Ether
Concen: 49.43 ug/l
RT: 5.42 min Scan# 629
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 261822
Ion Ratio Lower Upper
73 100
57 22.8 18.2 27.4

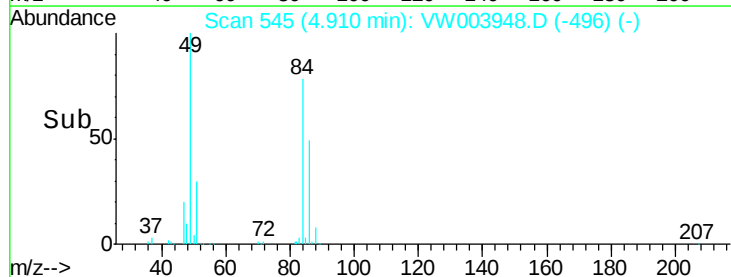
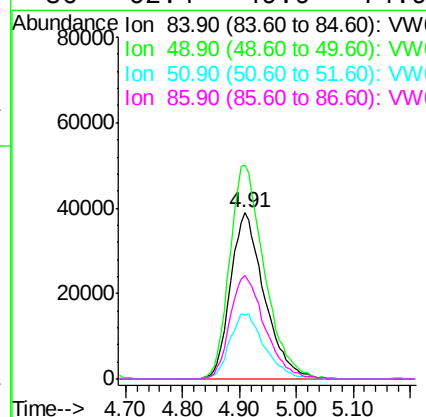
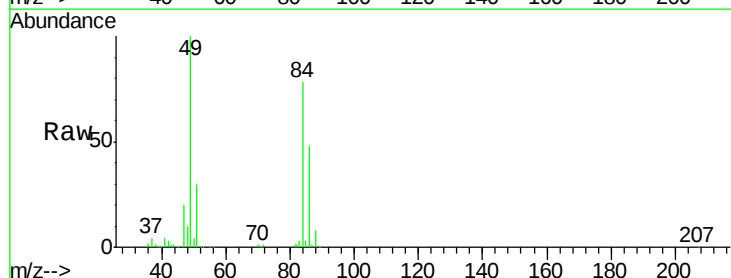
Manual Integrations
APPROVED

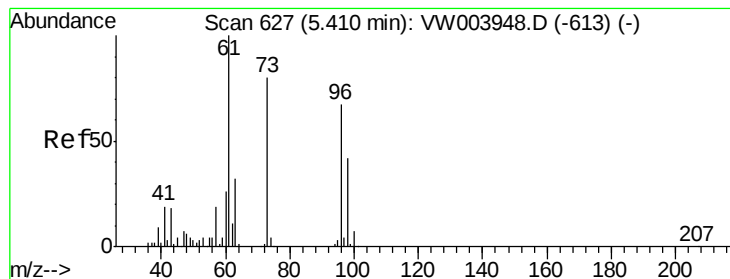
apatel
7/17/2018 10:11:07 AM



#20
Methylene Chloride
Concen: 44.76 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Tgt Ion: 84 Resp: 161702
Ion Ratio Lower Upper
84 100
49 128.6 102.9 154.3
51 38.6 30.9 46.3
86 62.4 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 47.62 ug/l

RT: 5.41 min Scan# 627

Delta R.T. 0.00 min

Lab File: VW003948.D

Acq: 16 Jul 2018 13:15

Instrument :

MSVOA_W

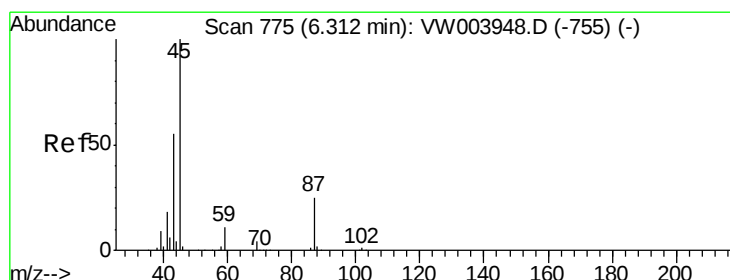
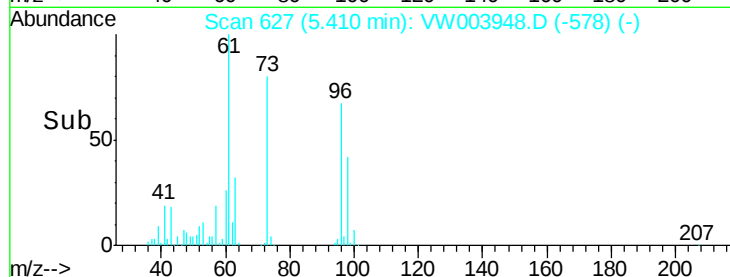
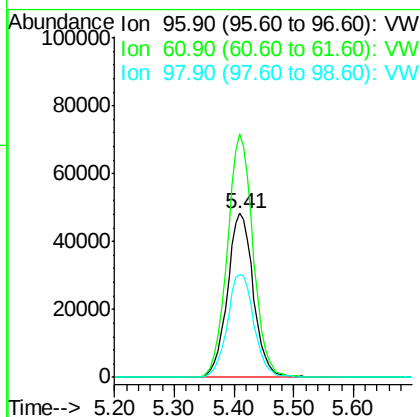
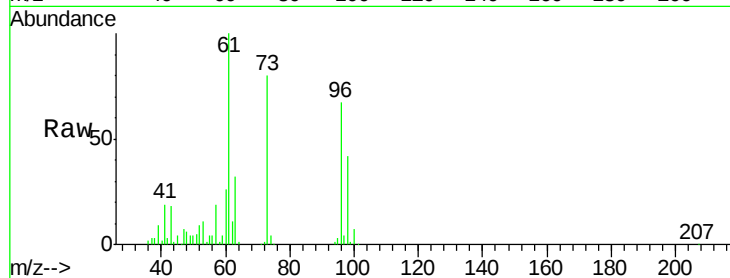
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	145813
Ion	Ratio	Lower	Upper
96	100		
61	148.7	119.0	178.4
98	62.4	49.9	74.9

Manual Integrations
APPROVED

apatel
7/17/2018 10:11:07 AM



#22

Diisopropyl ether

Concen: 46.73 ug/l

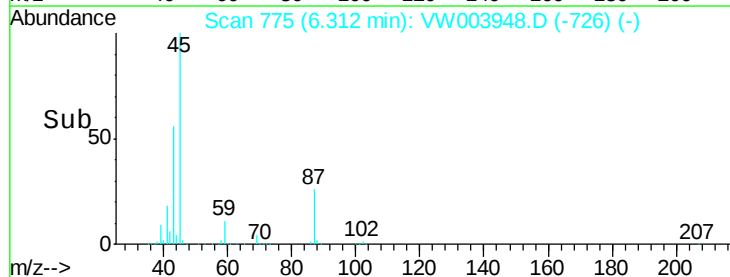
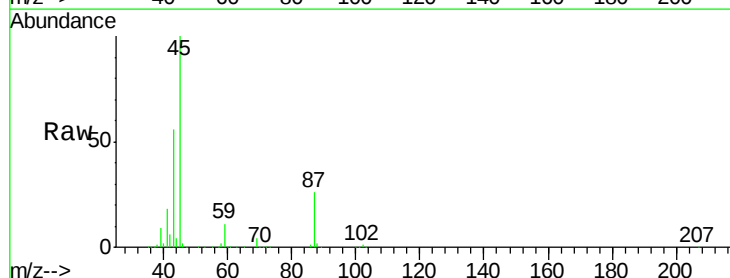
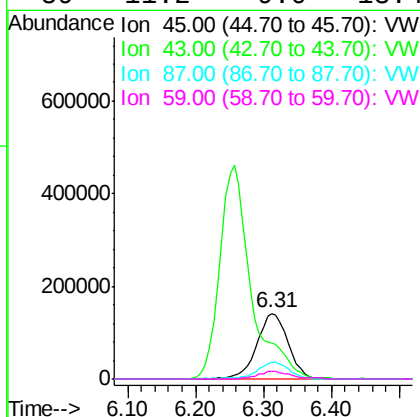
RT: 6.31 min Scan# 775

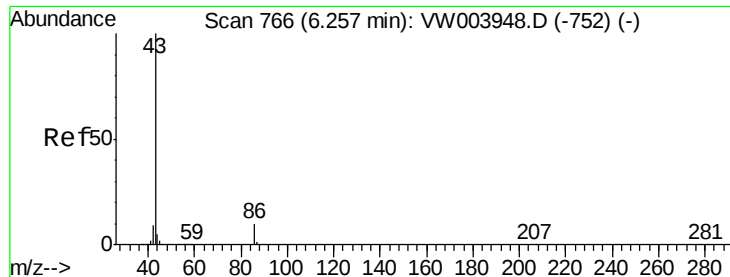
Delta R.T. 0.00 min

Lab File: VW003948.D

Acq: 16 Jul 2018 13:15

Tgt Ion:	45	Resp:	456221
Ion	Ratio	Lower	Upper
45	100		
43	55.4	44.3	66.5
87	25.3	20.2	30.4
59	11.2	9.0	13.4





#23

Vinyl Acetate

Concen: 246.66 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003948.D

Acq: 16 Jul 2018 13:15

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 1477806

Ion Ratio Lower Upper

43 100

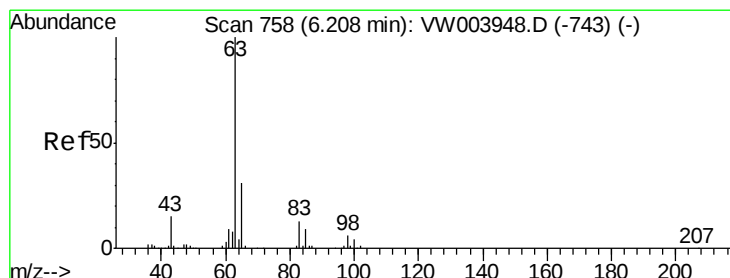
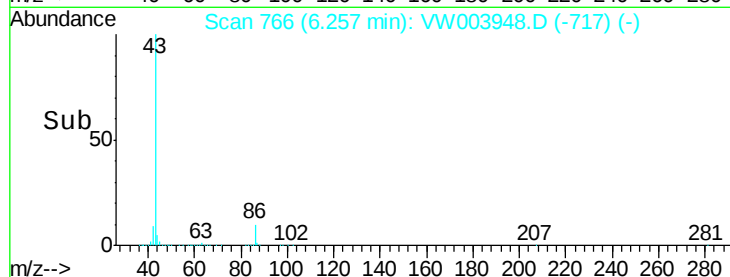
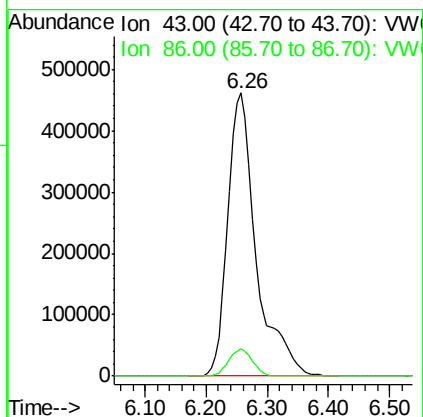
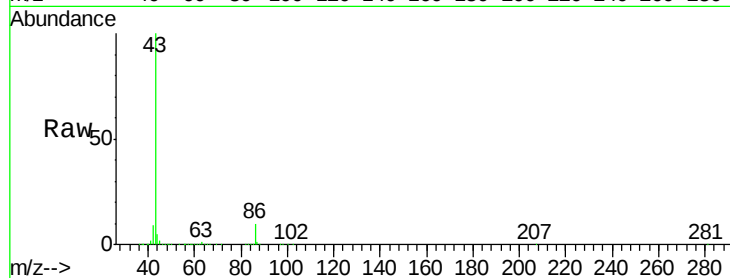
86 9.5 7.6 11.4

Manual Integrations

APPROVED

apatel

7/17/2018 10:11:07 AM



#24

1,1-Dichloroethane

Concen: 45.43 ug/l

RT: 6.21 min Scan# 758

Delta R.T. 0.00 min

Lab File: VW003948.D

Acq: 16 Jul 2018 13:15

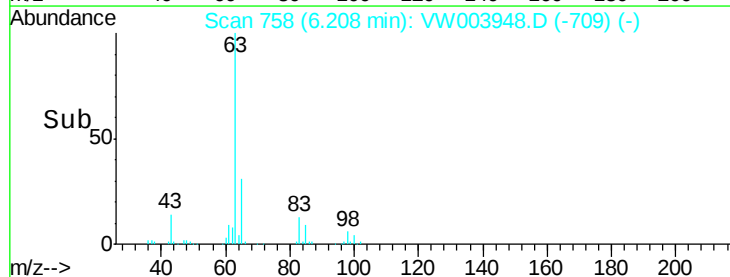
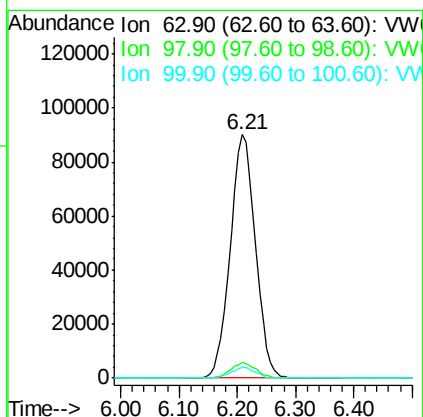
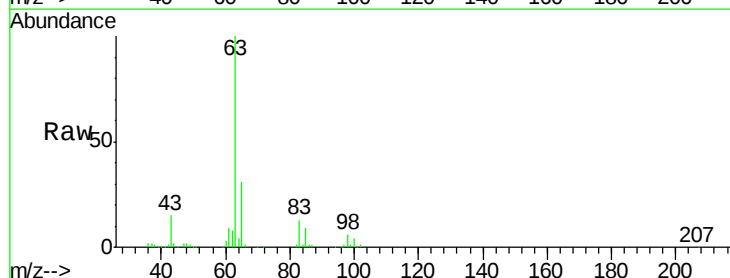
Tgt Ion: 63 Resp: 270425

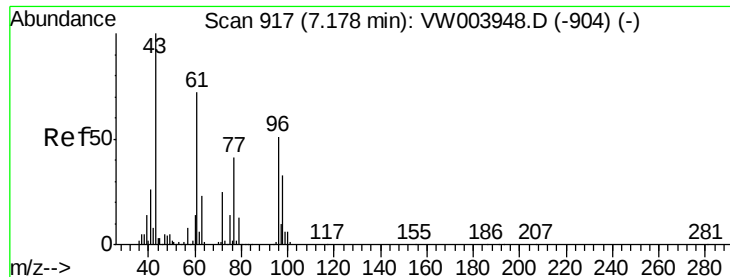
Ion Ratio Lower Upper

63 100

98 6.3 3.1 9.4

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 255.74 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW003948.D

Acq: 16 Jul 2018 13:15

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 249537

Ion Ratio Lower Upper

43 100

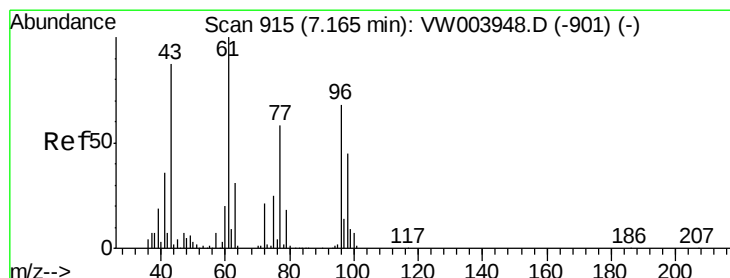
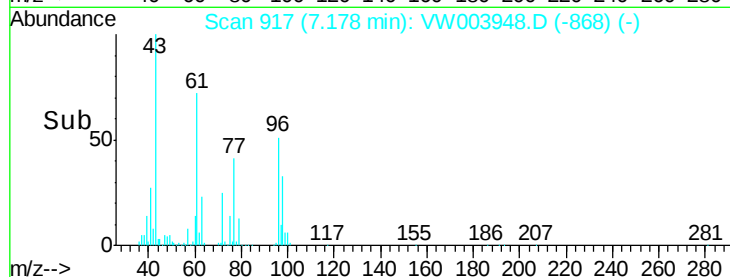
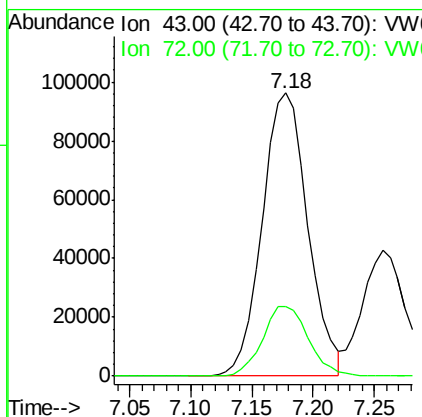
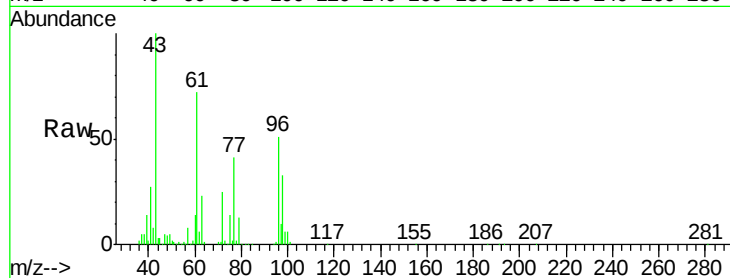
72 24.7 19.8 29.6

Manual Integrations

APPROVED

apatel

7/17/2018 10:11:07 AM



#26

2,2-Dichloropropane

Concen: 45.79 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW003948.D

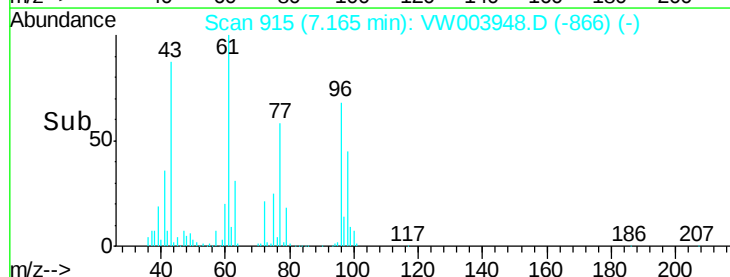
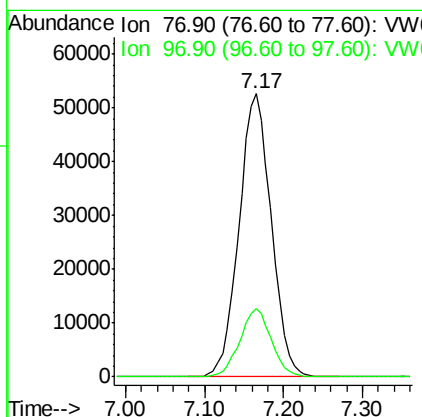
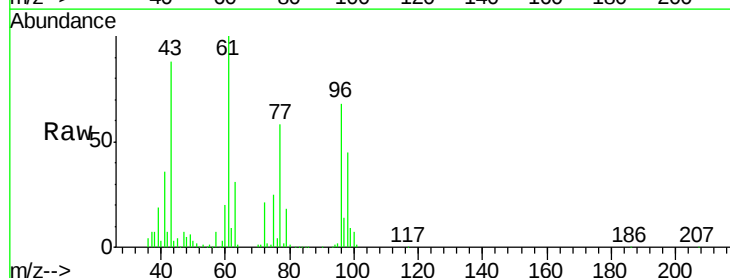
Acq: 16 Jul 2018 13:15

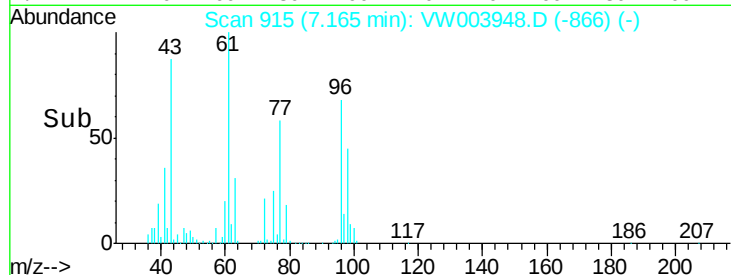
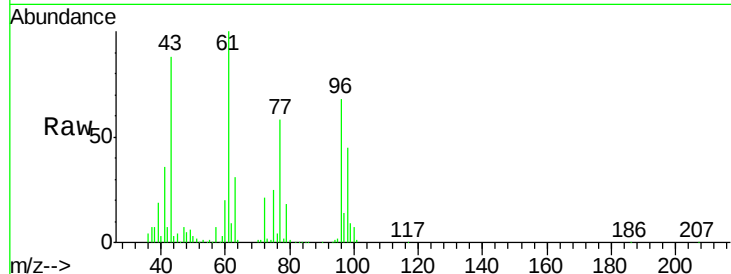
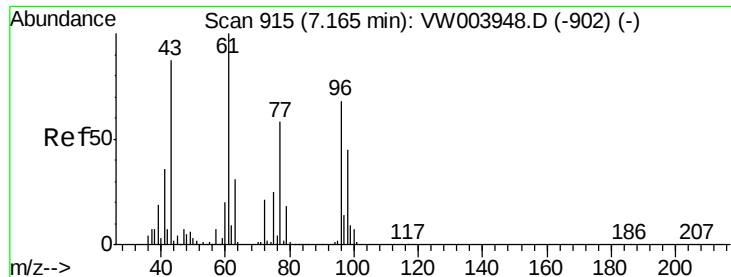
Tgt Ion: 77 Resp: 148807

Ion Ratio Lower Upper

77 100

97 23.5 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 46.63 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW003948.D

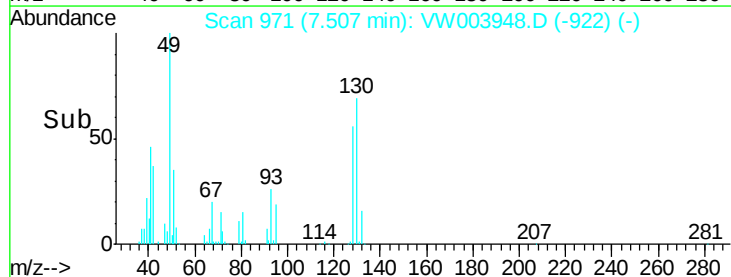
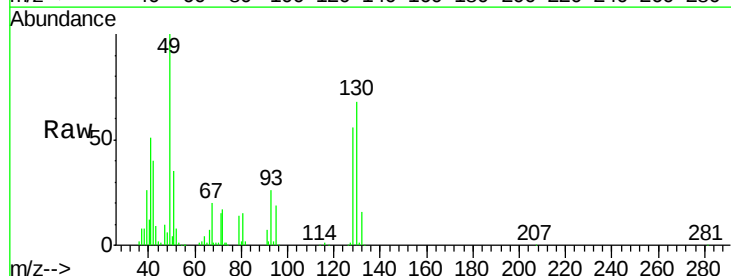
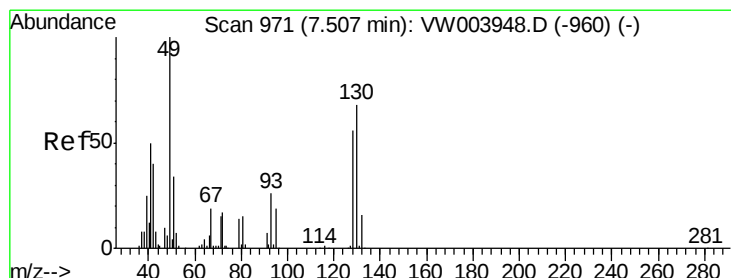
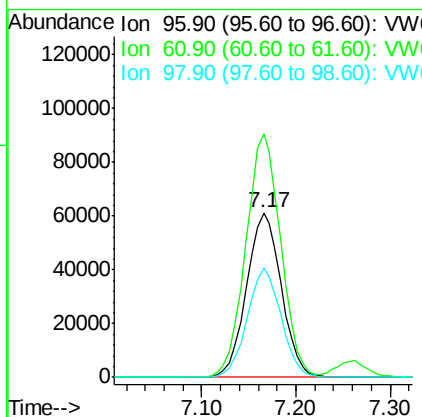
Acq: 16 Jul 2018 13:15

Tot Ion:	96	Resp:	157637
Ion Ratio	Lower	Upper	
96	100		
61	149.3	0.0	298.6
98	65.2	0.0	130.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

apatel
7/17/2018 10:11:07 AM



#28

Bromochloromethane

Concen: 40.80 ug/l

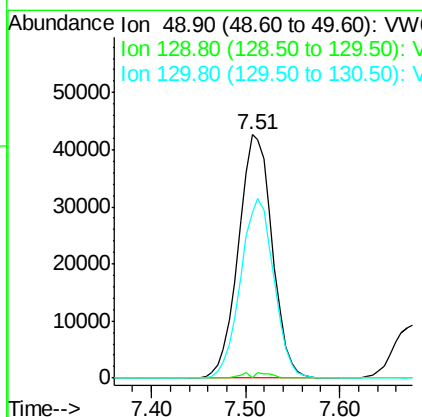
RT: 7.51 min Scan# 971

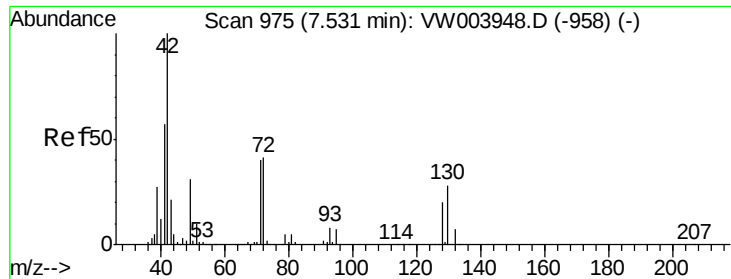
Delta R.T. 0.00 min

Lab File: VW003948.D

Acq: 16 Jul 2018 13:15

Tgt Ion:	49	Resp:	106944
Ion Ratio	Lower	Upper	
49	100		
129	1.1	0.0	2.2
130	72.9	58.3	87.5





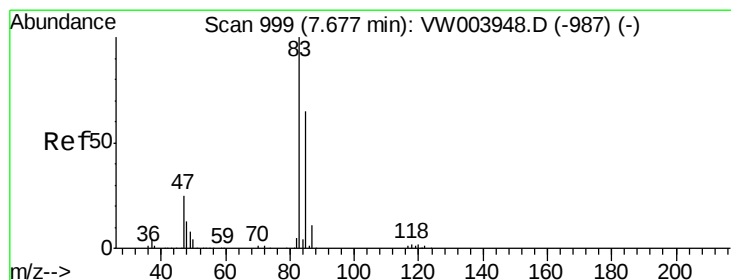
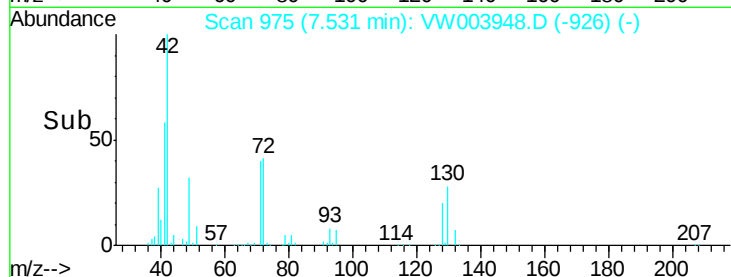
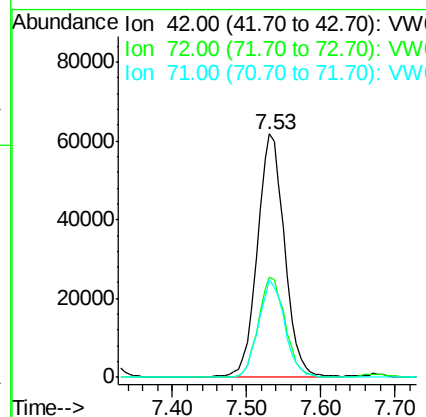
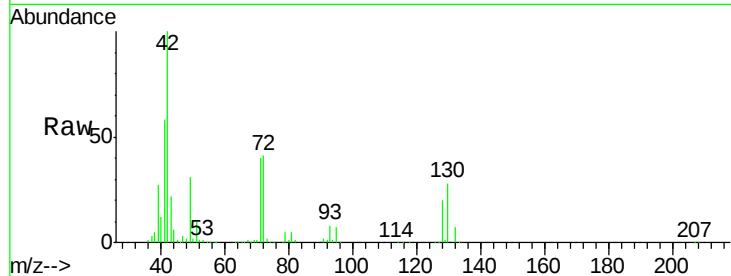
#29
Tetrahydrofuran
Concen: 254.21 ug/l
RT: 7.53 min Scan# 975
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.6	48.8
71	38.1	30.5	45.7

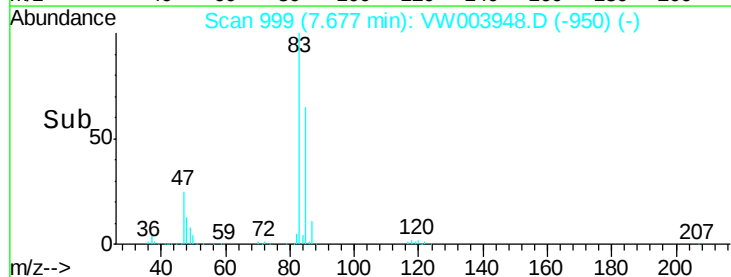
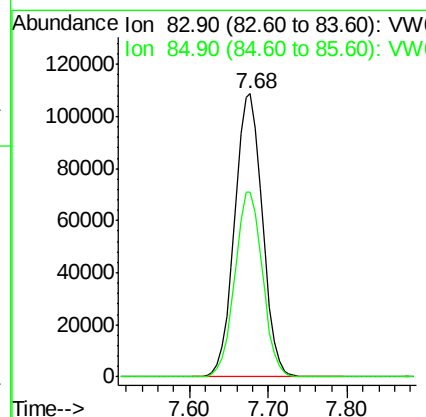
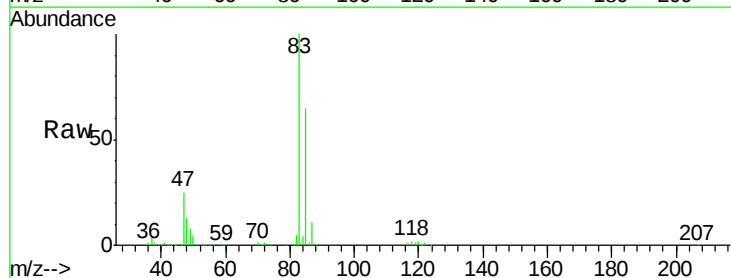
Manual Integrations
APPROVED

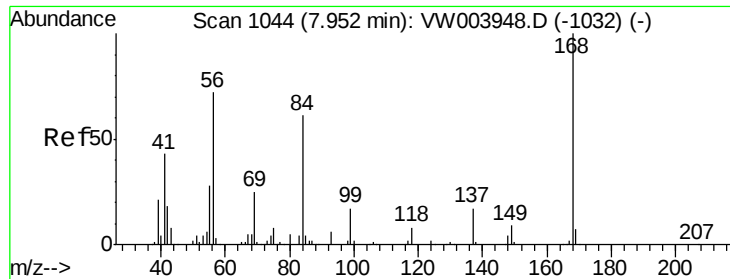
apatel
7/17/2018 10:11:07 AM



#30
Chloroform
Concen: 44.07 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4





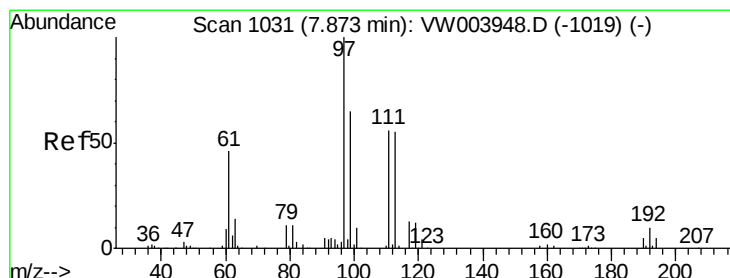
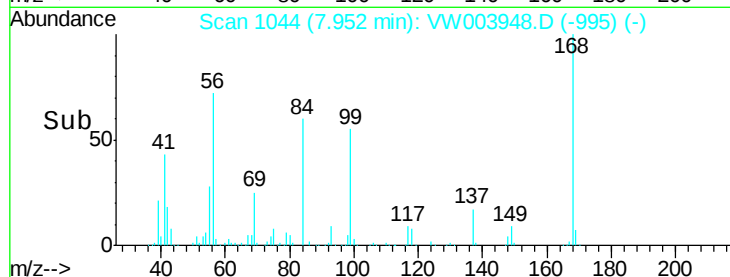
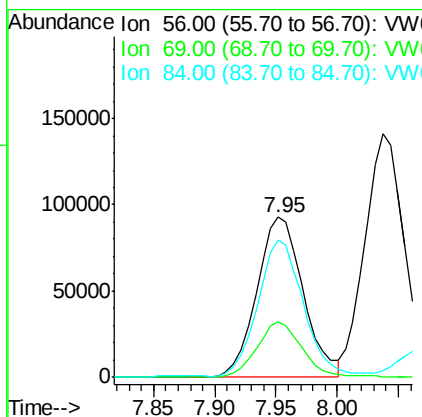
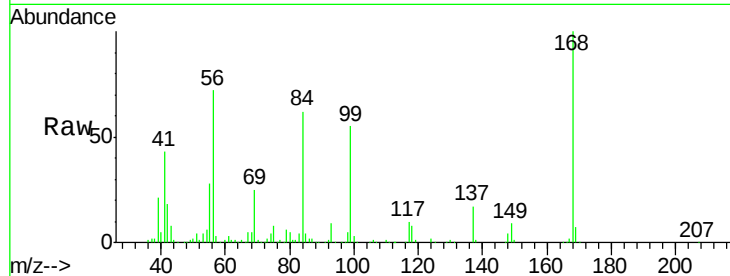
#31
Cyclohexane
Concen: 46.44 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
56	100	245026		
69	34.8		27.8	41.8
84	84.0		67.2	100.8

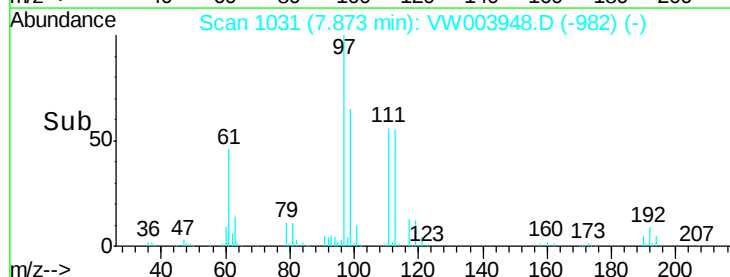
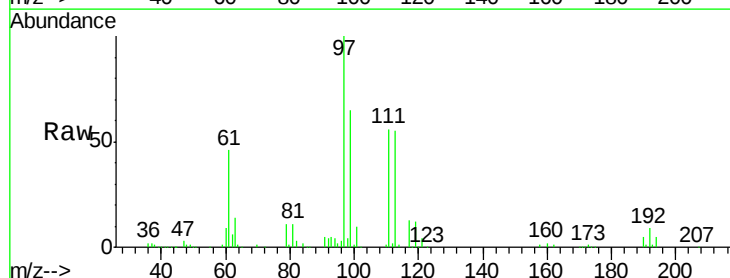
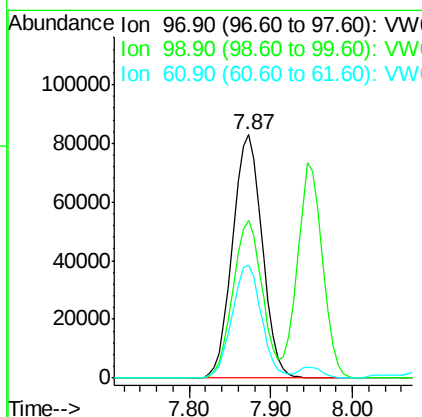
Manual Integrations
APPROVED

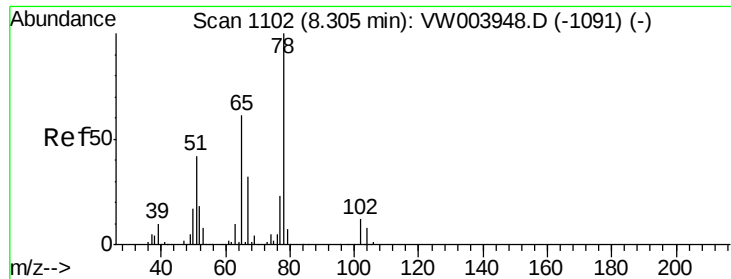
apatel
7/17/2018 10:11:07 AM



#32
1,1,1-Trichloroethane
Concen: 45.04 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	207789		
99	64.1		51.3	76.9
61	46.0		36.8	55.2





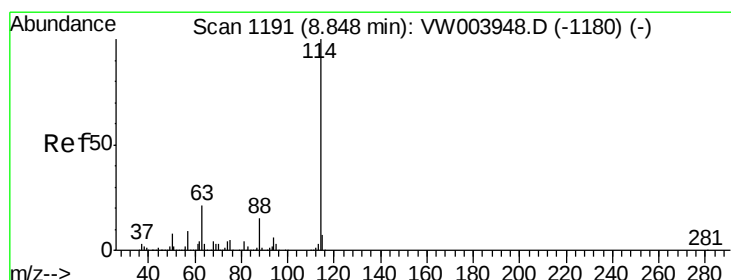
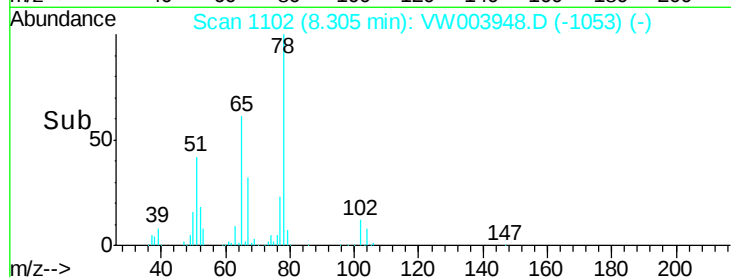
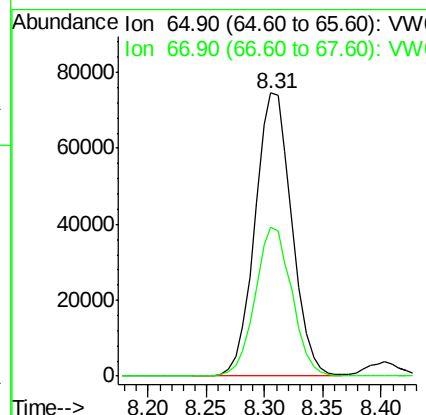
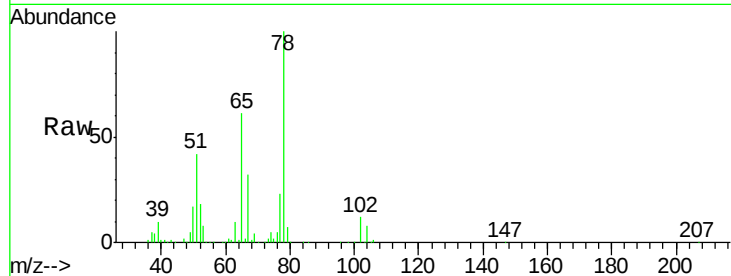
#33
 1,2-Dichloroethane-d4
 Concen: 45.91 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW003948.D
 Acq: 16 Jul 2018 13:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	164430		
67	52.5	0.0	105.0	

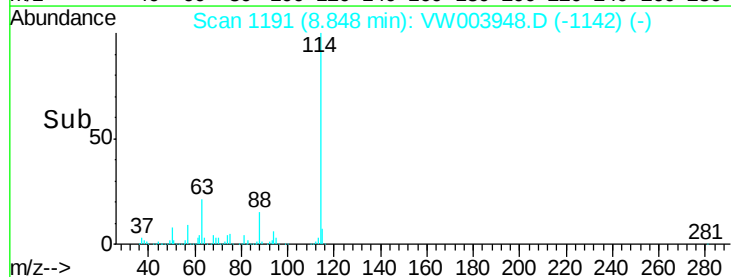
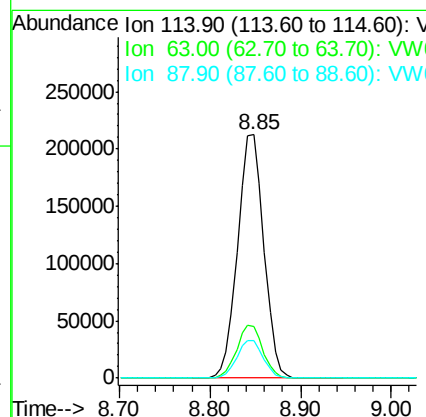
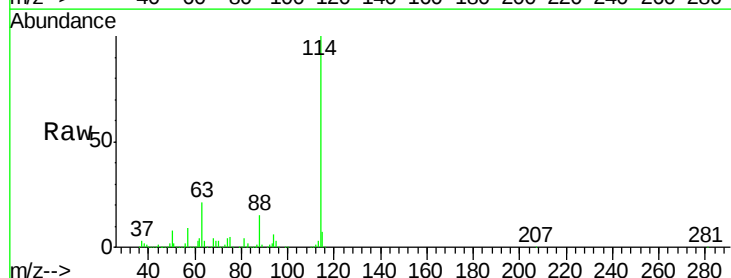
Manual Integrations
 APPROVED

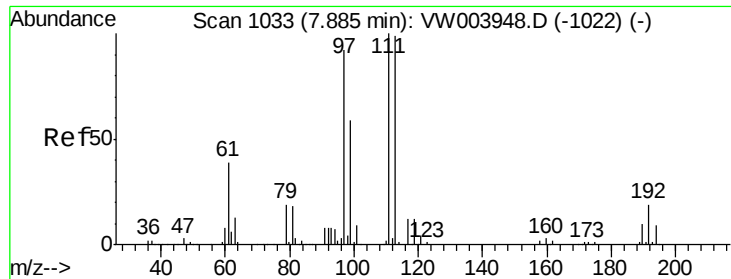
apatel
 7/17/2018 10:11:07 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003948.D
 Acq: 16 Jul 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	424829		
63	21.4	0.0	42.8	
88	15.2	0.0	30.4	





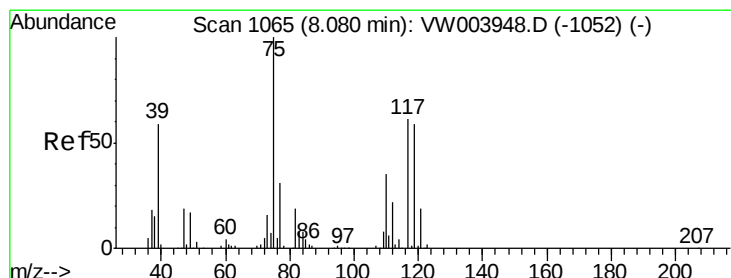
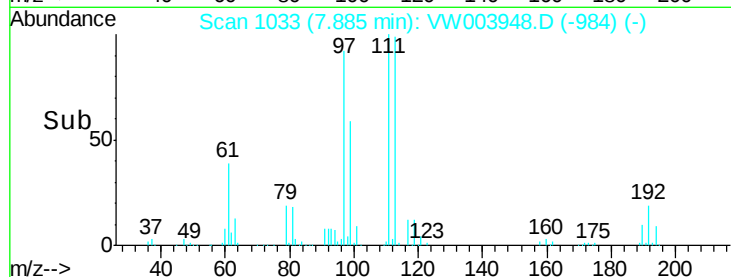
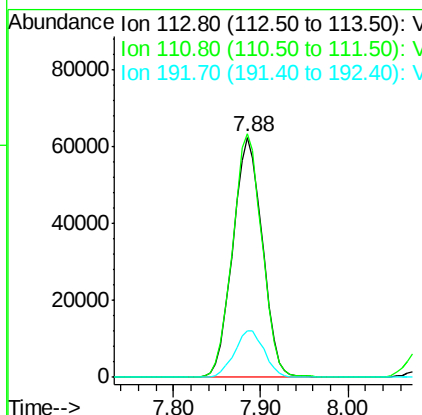
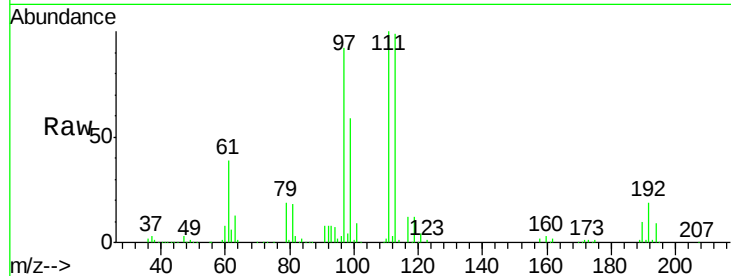
#35
 Dibromofluoromethane
 Concen: 49.32 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003948.D
 Acq: 16 Jul 2018 13:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	146000		
111	101.6	81.3	121.9	
192	19.7	15.8	23.6	

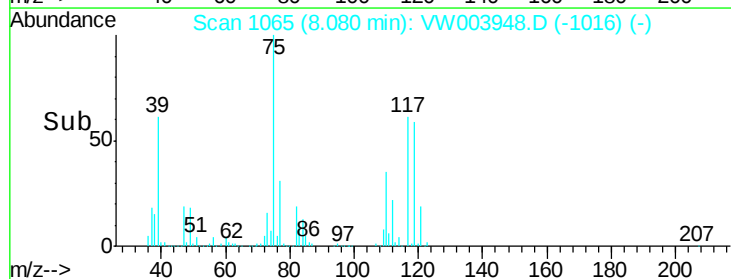
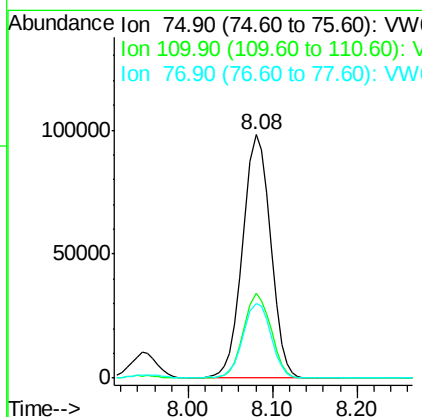
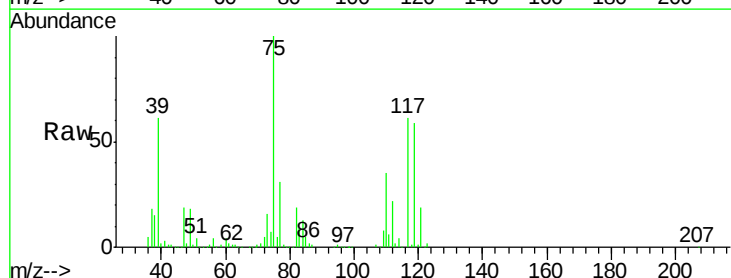
Manual Integrations
 APPROVED

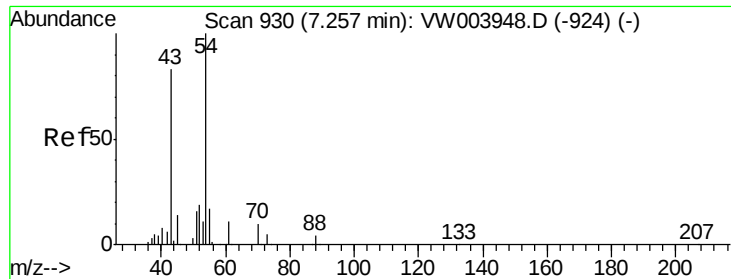
apatel
 7/17/2018 10:11:07 AM



#36
 1,1-Dichloropropene
 Concen: 49.26 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW003948.D
 Acq: 16 Jul 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	220358		
110	34.0	17.0	51.0	
77	31.1	24.9	37.3	





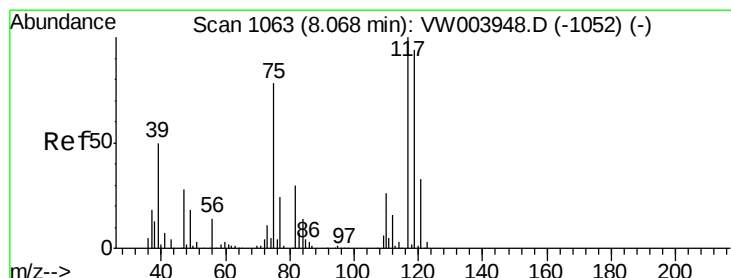
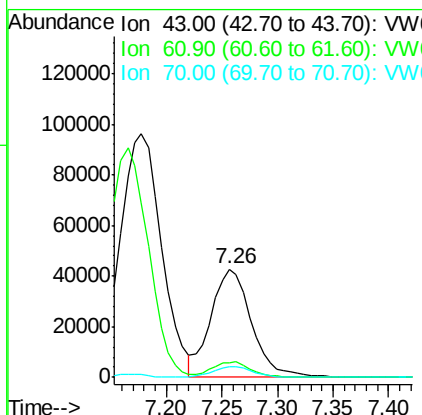
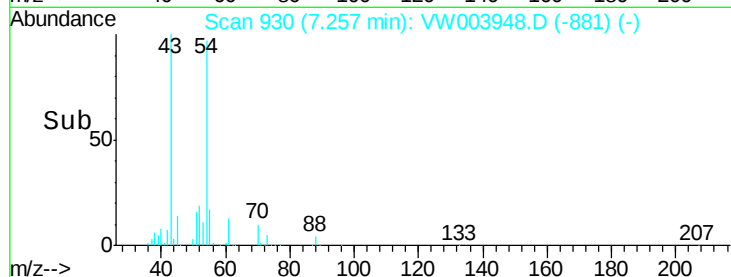
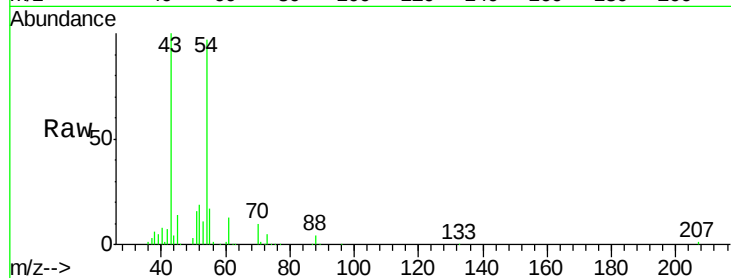
#37
Ethyl Acetate
Concen: 49.39 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	9.6	7.7	11.5

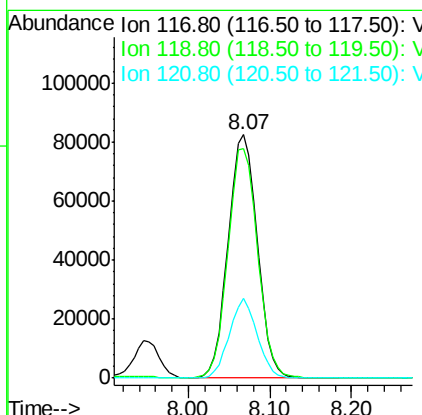
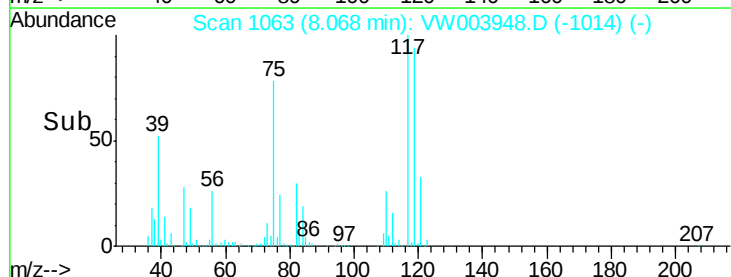
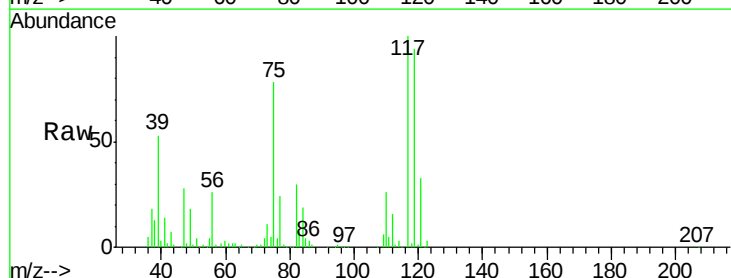
Manual Integrations
APPROVED

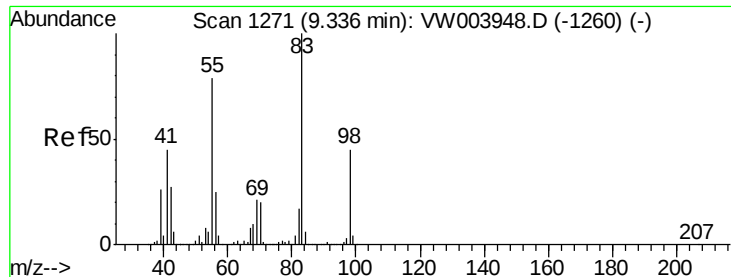
apatel
7/17/2018 10:11:07 AM



#38
Carbon Tetrachloride
Concen: 48.04 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.3	112.9
121	32.5	26.0	39.0





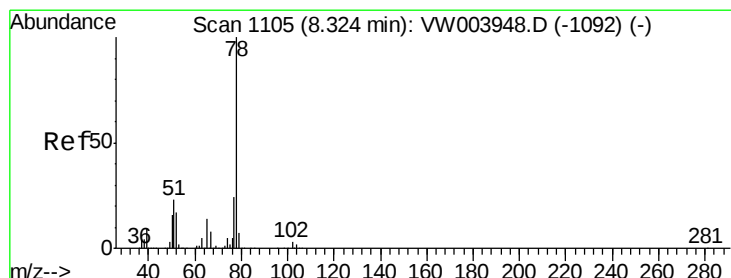
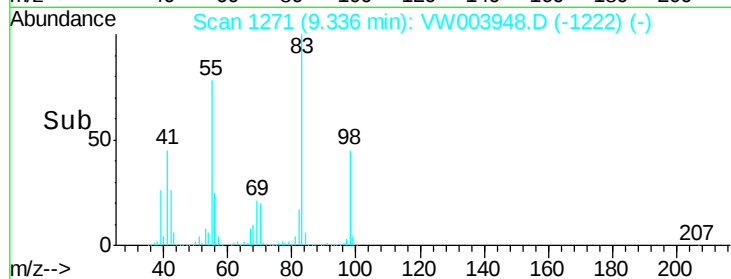
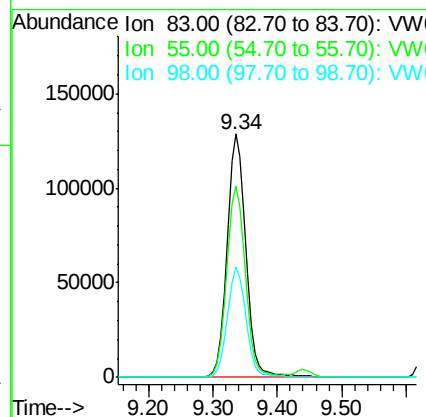
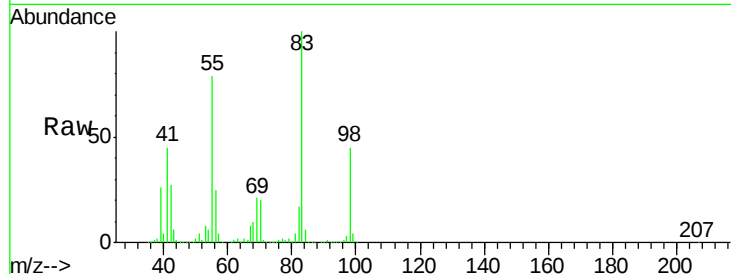
#39
Methvlcvclohexane
Concen: 53.85 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	266520		
55	78.5		62.8	94.2
98	45.3		36.2	54.4

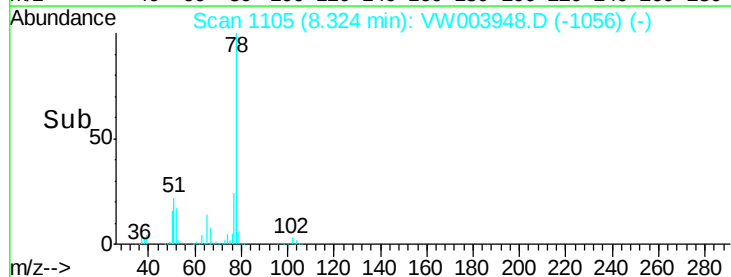
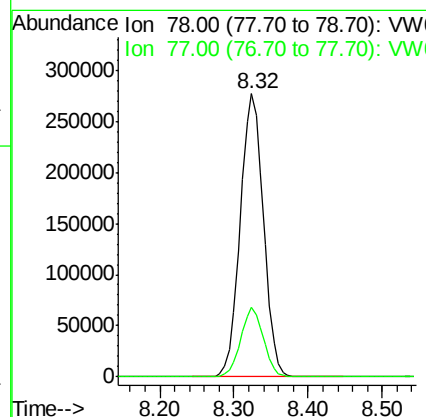
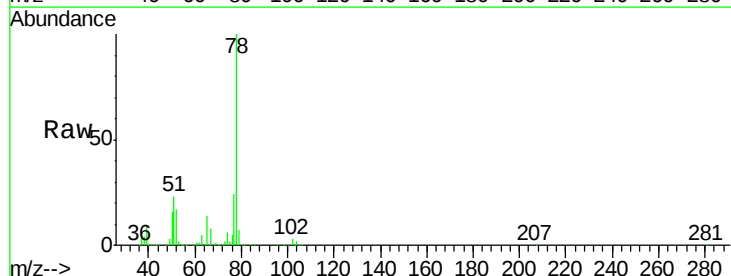
Manual Integrations
APPROVED

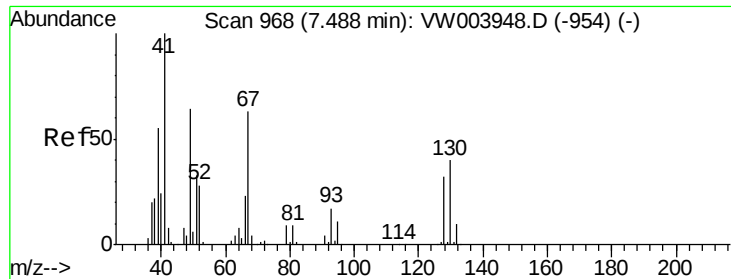
apatel
7/17/2018 10:11:07 AM



#40
Benzene
Concen: 47.57 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	605948		
77	24.4		19.5	29.3





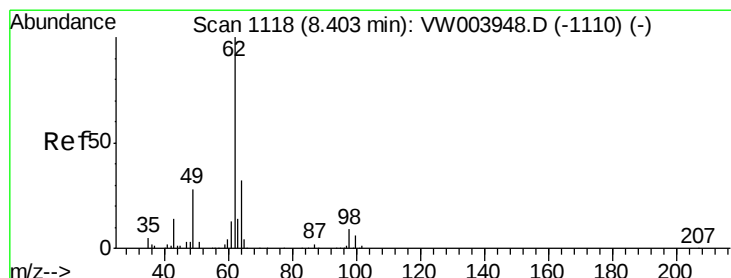
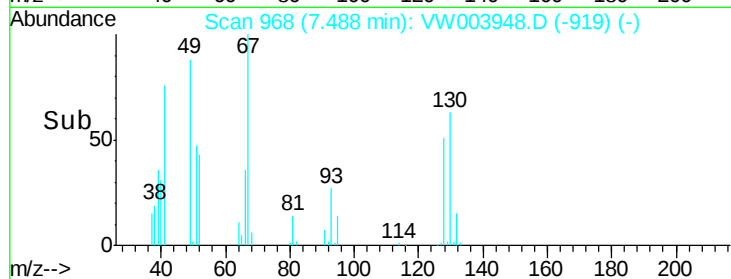
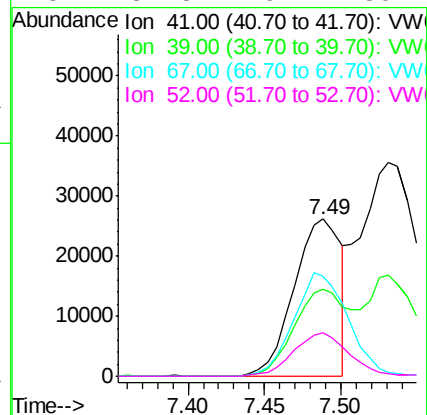
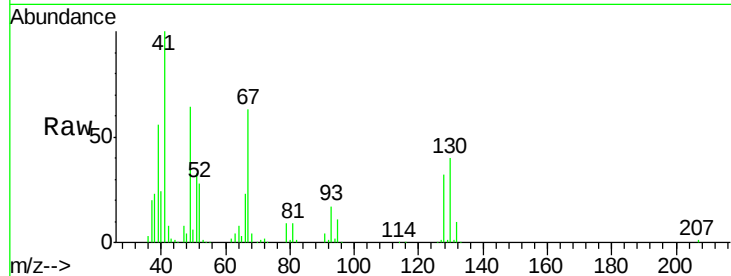
#41
Methacrylonitrile
Concen: 45.86 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.5	50.0	75.0
67	76.0	60.8	91.2
52	32.8	26.2	39.4

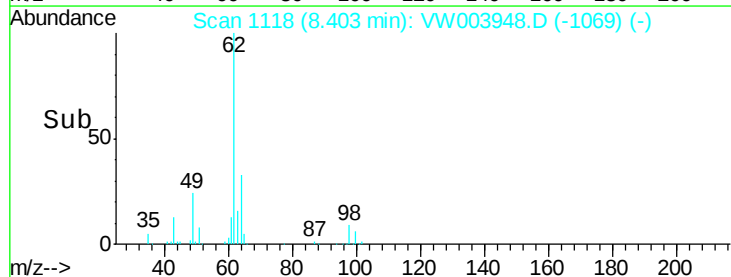
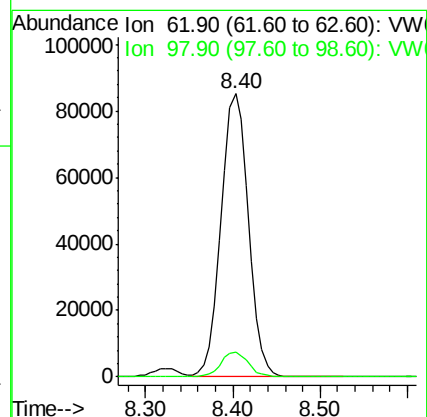
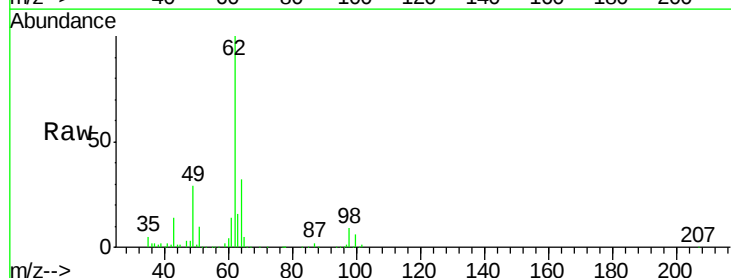
Manual Integrations
APPROVED

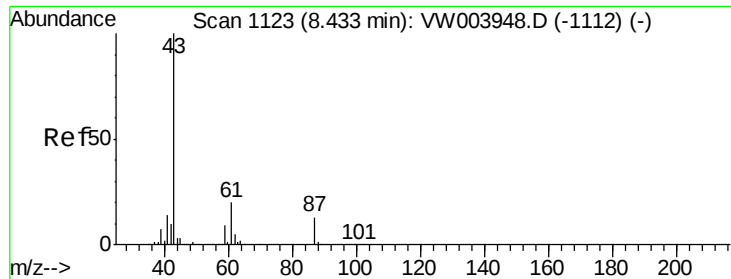
apatel
7/17/2018 10:11:07 AM



#42
1,2-Dichloroethane
Concen: 45.43 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.4





#43

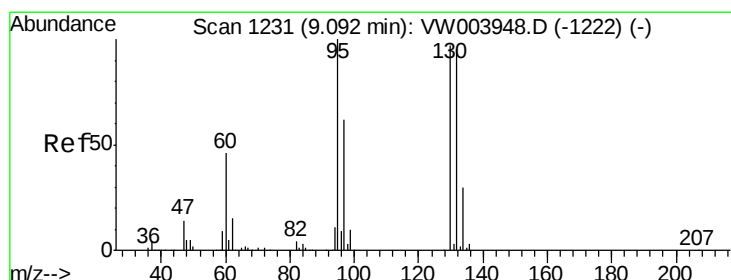
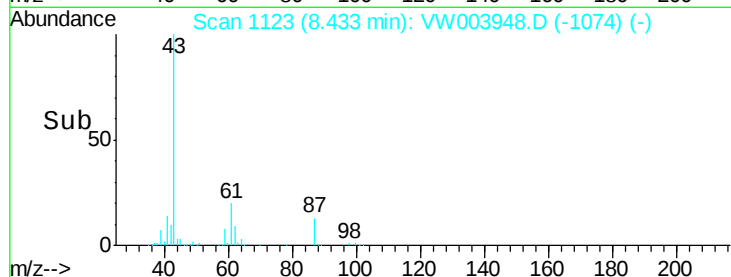
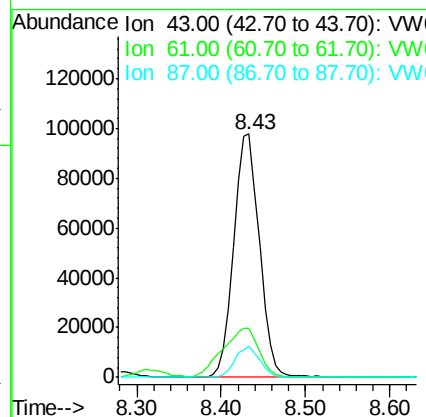
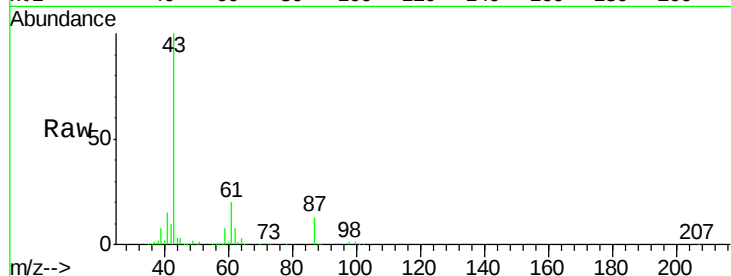
Isopropyl Acetate
 Concen: 49.43 ug/l
 RT: 8.43 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VW003948.D
 Acq: 16 Jul 2018 13:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.8	23.0	34.6
87	12.4	9.9	14.9

Manual Integrations
 APPROVED

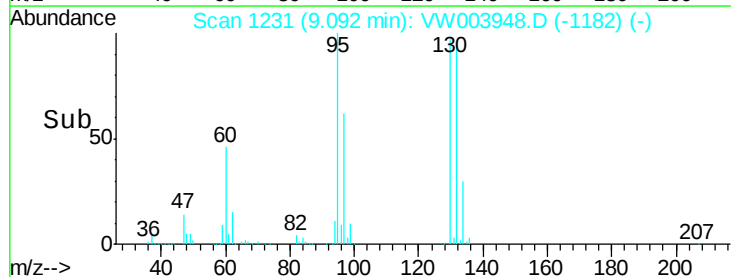
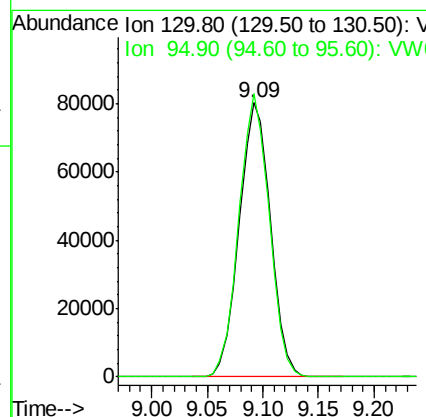
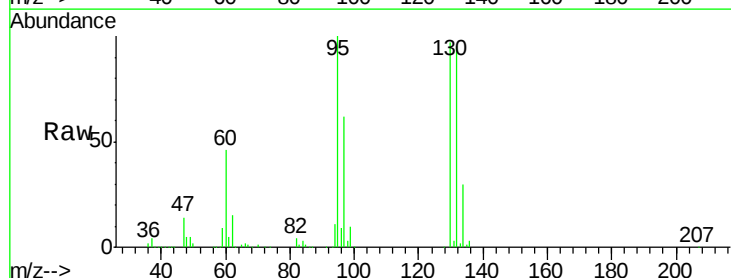
apatel
 7/17/2018 10:11:07 AM

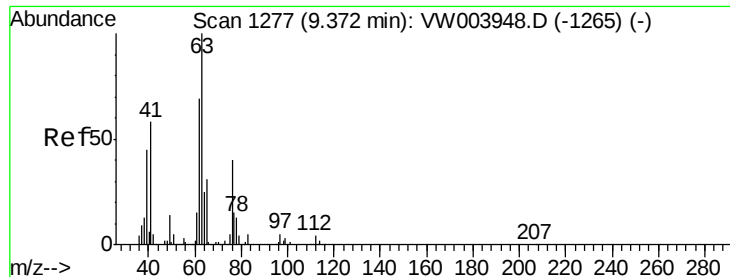


#44

Trichloroethene
 Concen: 48.30 ug/l
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW003948.D
 Acq: 16 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.4	0.0	206.8





#45

1,2-Dichloropropane

Concen: 47.05 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW003948.D

Acq: 16 Jul 2018 13:15

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 63 Resp: 155492

Ion Ratio Lower Upper

63 100

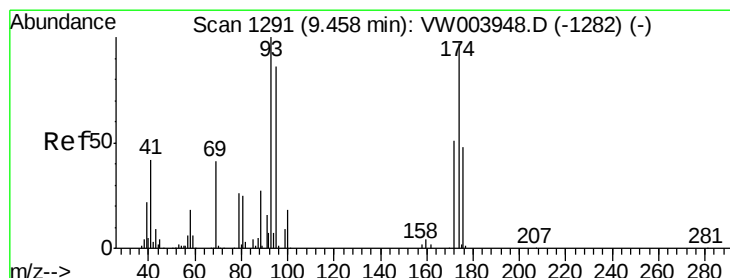
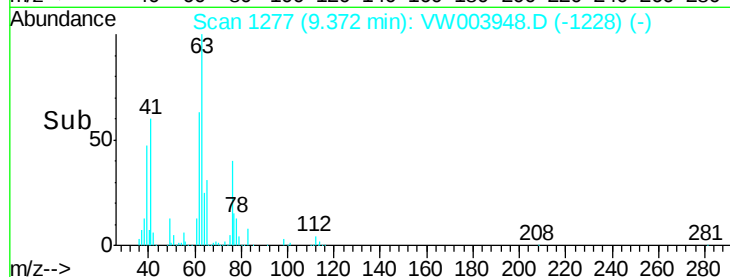
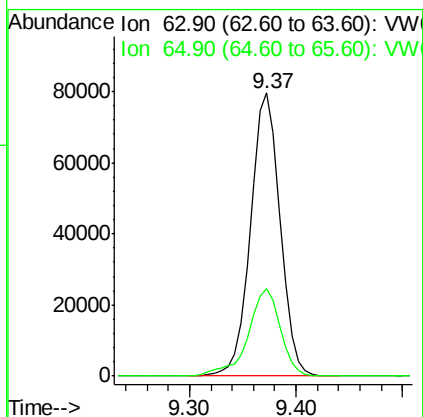
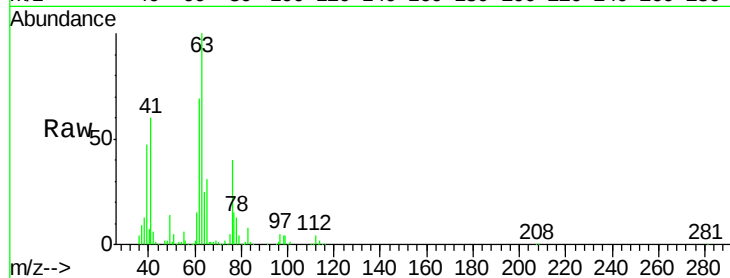
65 31.0 24.8 37.2

Manual Integrations

APPROVED

apatel

7/17/2018 10:11:07 AM



#46

Dibromomethane

Concen: 46.87 ug/l

RT: 9.46 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VW003948.D

Acq: 16 Jul 2018 13:15

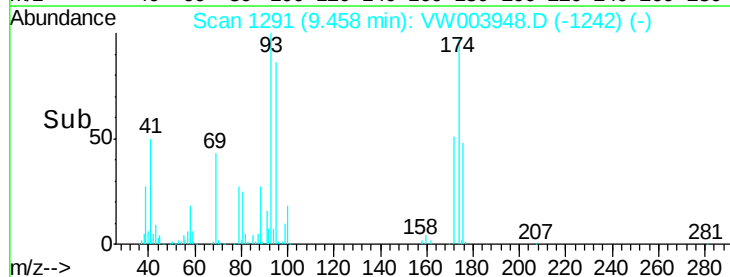
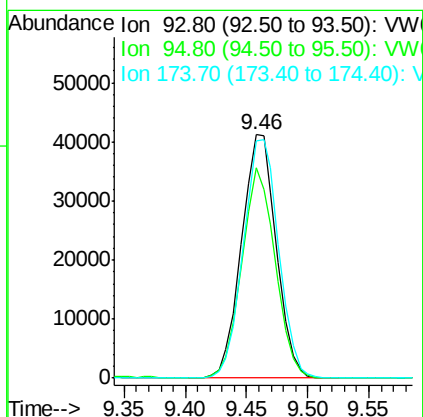
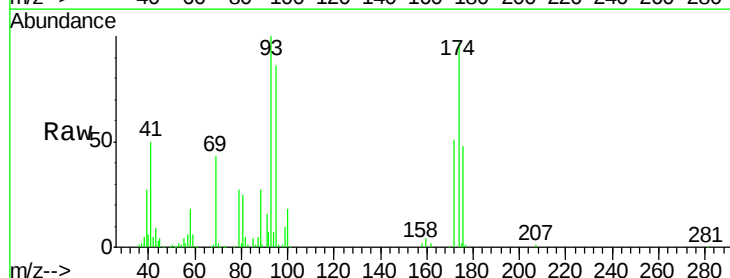
Tgt Ion: 93 Resp: 81057

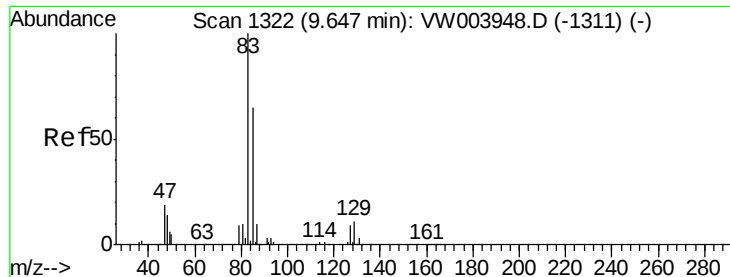
Ion Ratio Lower Upper

93 100

95 83.6 66.9 100.3

174 100.2 80.2 120.2





#47

Bromodichloromethane

Concen: 46.71 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003948.D

Acq: 16 Jul 2018 13:15

Instrument :

MSVOA_W

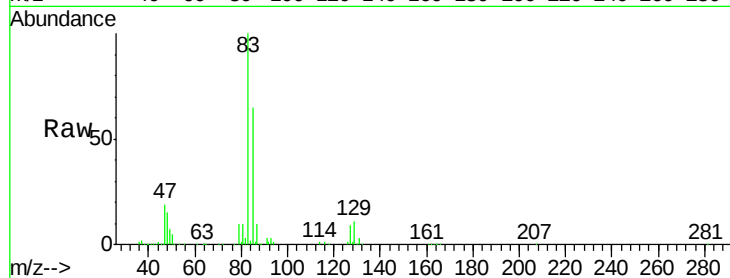
ClientSampled :

VSTDICCC050

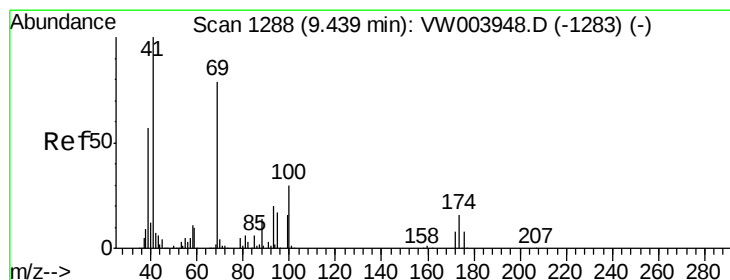
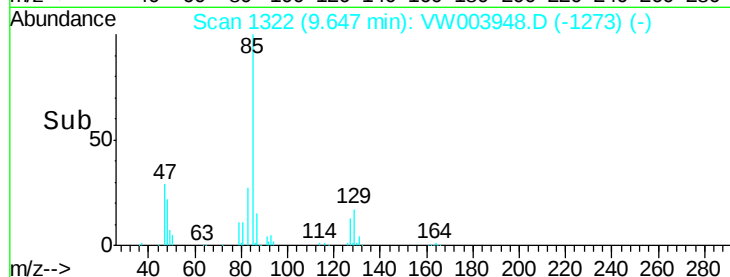
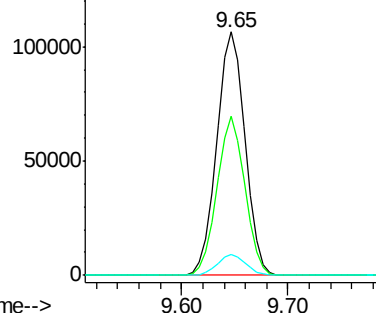
Tot Ion:	83	Resp:	199084
Ion Ratio	Lower	Upper	
83	100		
85	65.2	52.2	78.2
127	8.7	7.0	10.4

Manual Integrations
APPROVED

apatel
7/17/2018 10:11:07 AM



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.28 ug/l

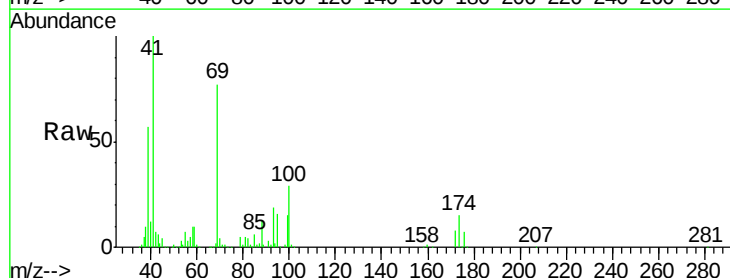
RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

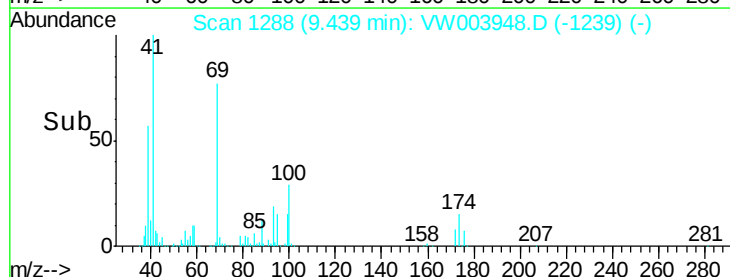
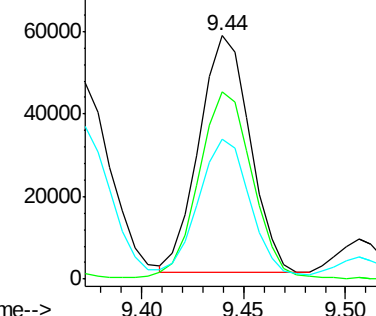
Lab File: VW003948.D

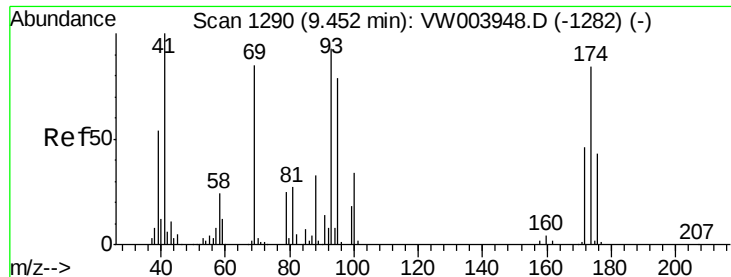
Acq: 16 Jul 2018 13:15

Tgt Ion:	41	Resp:	99601
Ion Ratio	Lower	Upper	
41	100		
69	83.8	67.0	100.6
39	61.0	48.8	73.2



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





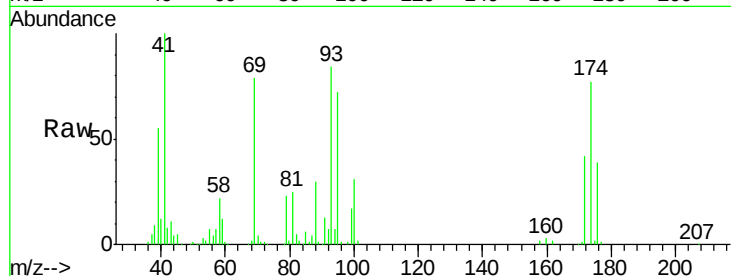
#49
1,4-Dioxane
Concen: 1000.13 ug/l
RT: 9.45 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	88	Resp	25979
Ion	Ratio	Lower	Upper
88	100		
43	34.1	27.3	40.9
58	76.4	61.1	91.7

Manual Integrations
APPROVED

apatel
7/17/2018 10:11:07 AM

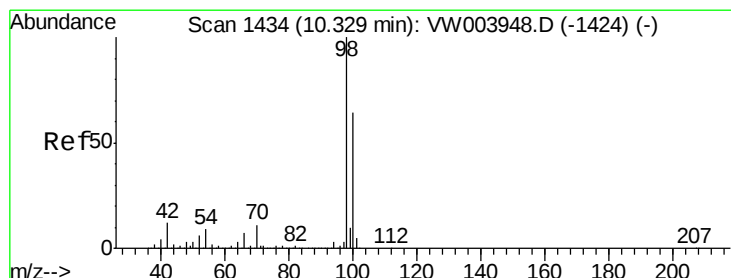
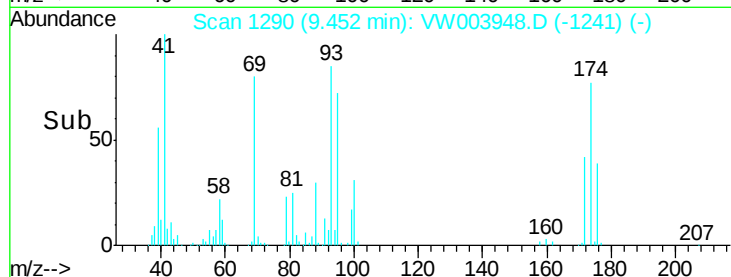
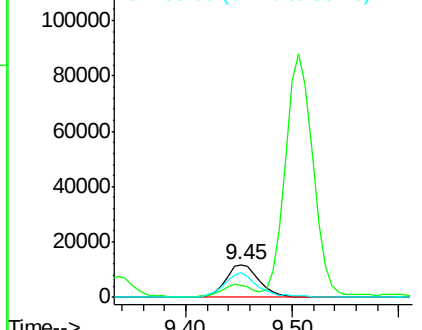


Abundance

Ion 88.00 (87.70 to 88.70): VW

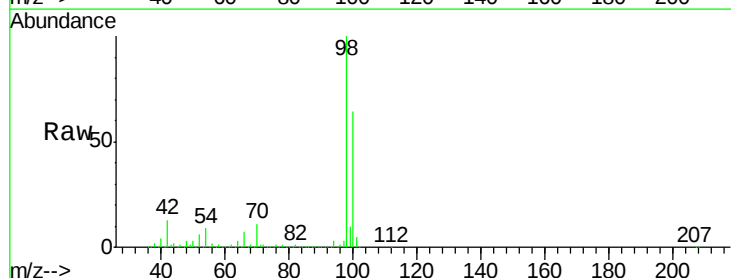
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 50.71 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

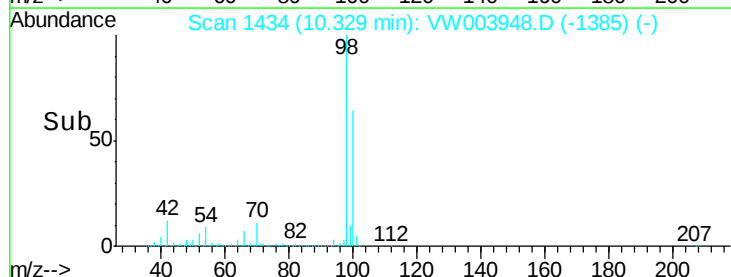
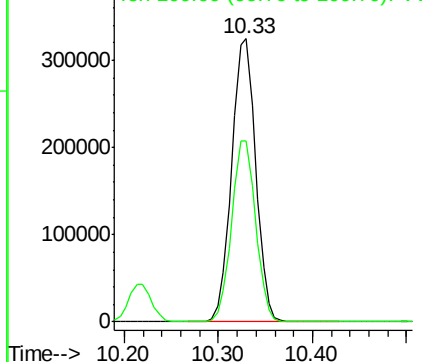
Tgt Ion	98	Resp	574802
Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.2	76.8

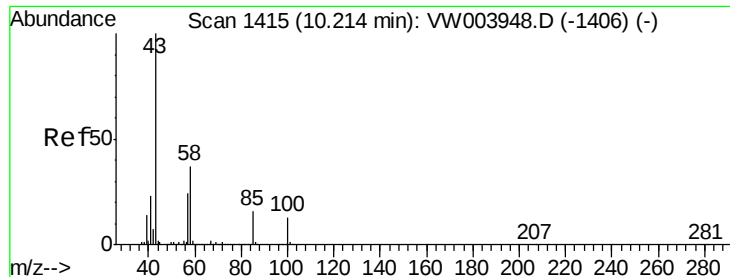


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 258.97 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW003948.D

Acq: 16 Jul 2018 13:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 545960

Ion Ratio Lower Upper

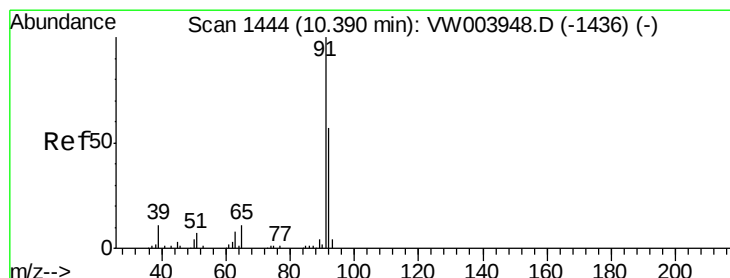
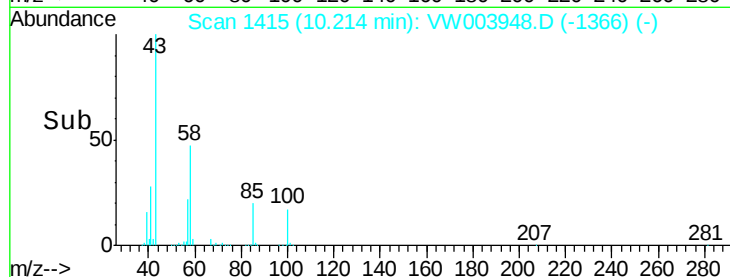
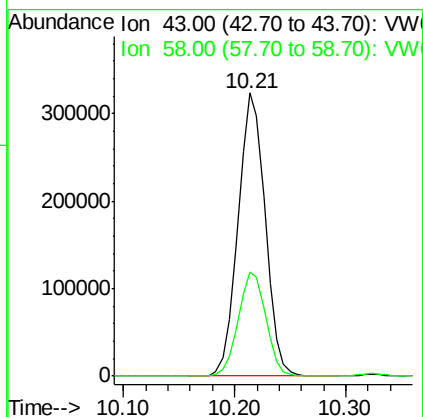
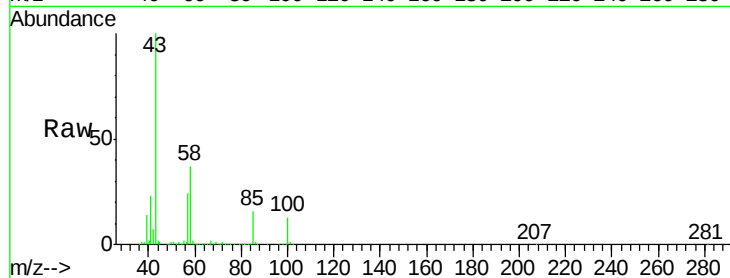
43 100

58 37.4 29.9 44.9

Manual Integrations
APPROVED

apatel

7/17/2018 10:11:07 AM



#52

Toluene

Concen: 47.92 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003948.D

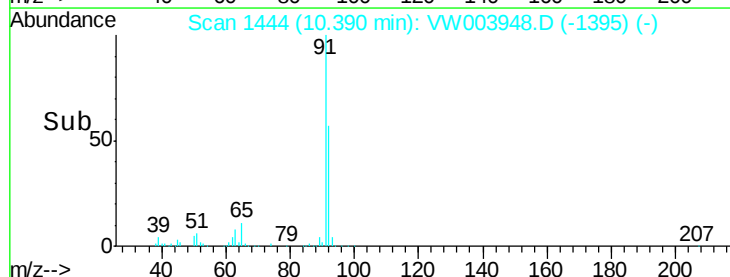
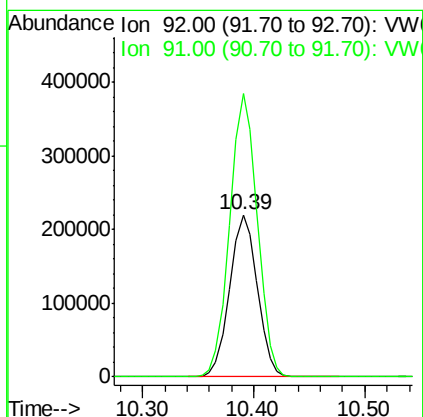
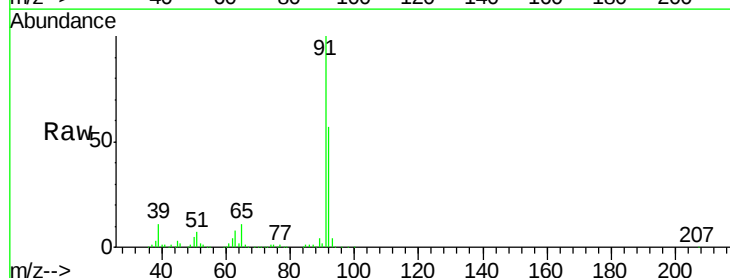
Acq: 16 Jul 2018 13:15

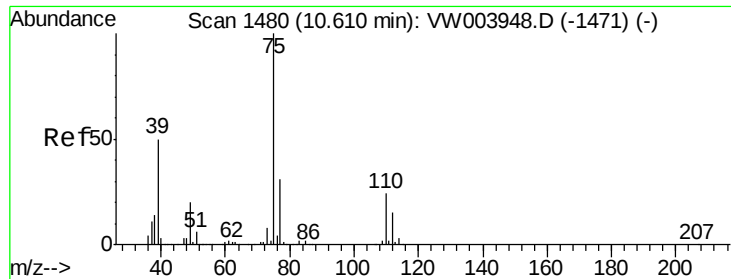
Tgt Ion: 92 Resp: 377430

Ion Ratio Lower Upper

92 100

91 174.5 139.6 209.4





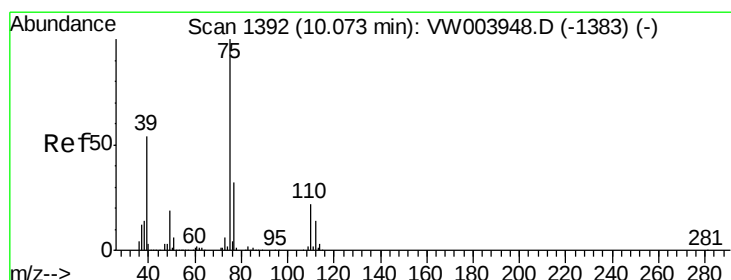
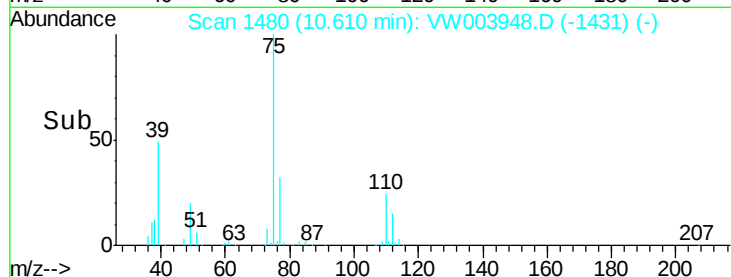
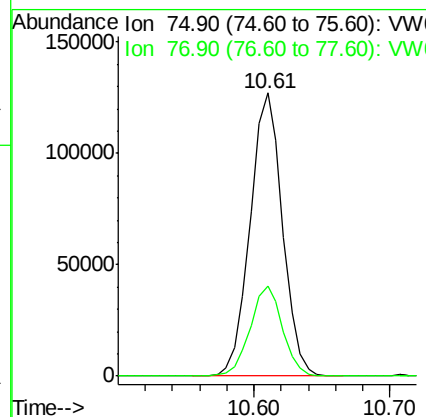
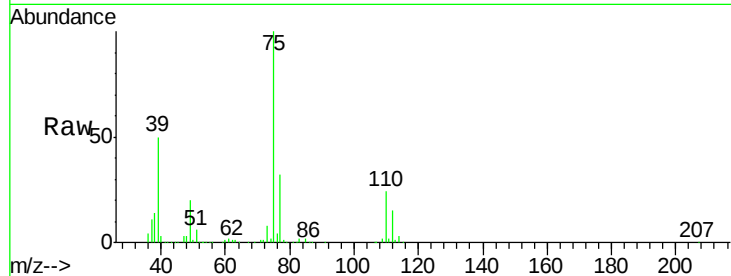
#53
t-1,3-Dichloropropene
Concen: 49.69 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion: 75 Resp: 212046
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8

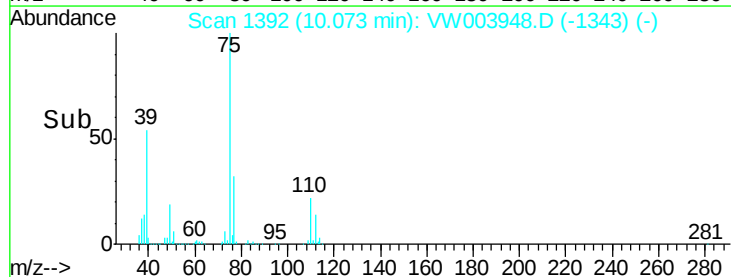
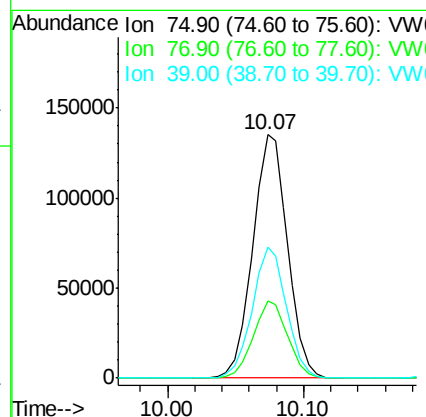
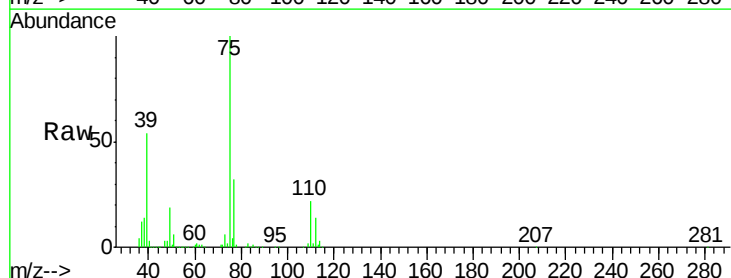
Manual Integrations
APPROVED

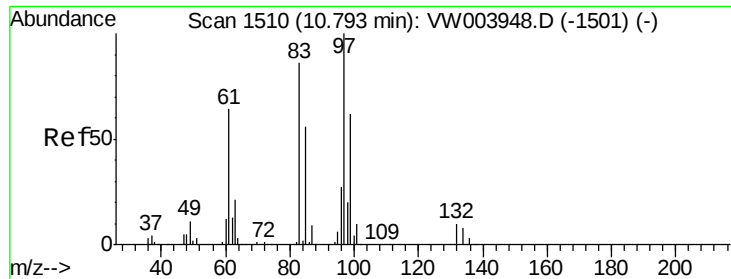
apatel
7/17/2018 10:11:07 AM



#54
cis-1,3-Dichloropropene
Concen: 49.96 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Tgt Ion: 75 Resp: 241395
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2
39 53.8 43.0 64.6





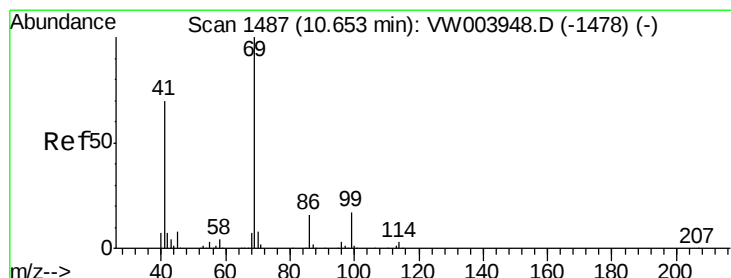
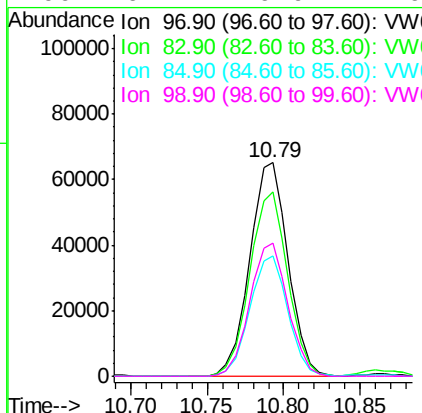
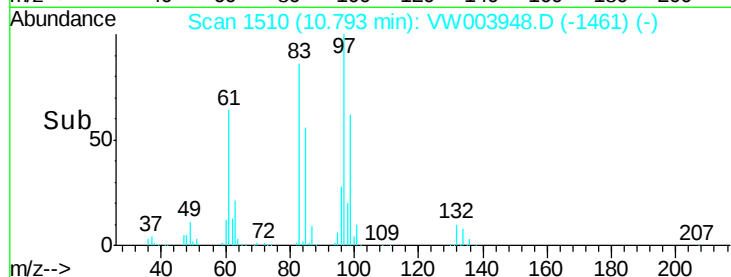
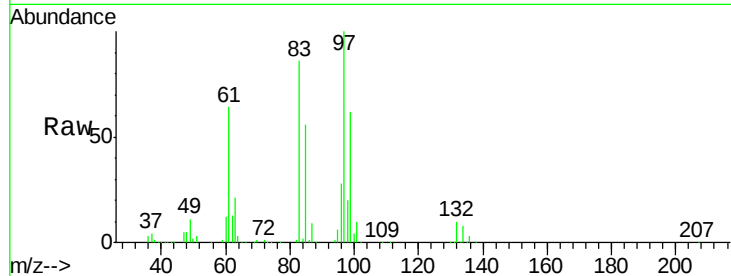
#55
 1,1,2-Trichloroethane
 Concen: 47.11 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003948.D
 Acq: 16 Jul 2018 13:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	113194		
83	86.2	69.0	103.4	
85	56.3	45.0	67.6	
99	62.4	49.9	74.9	

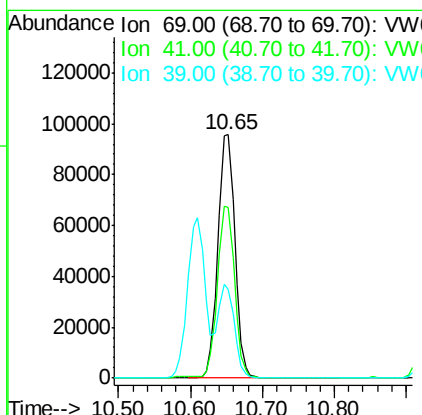
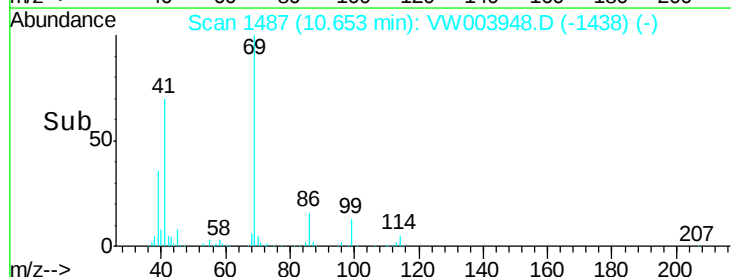
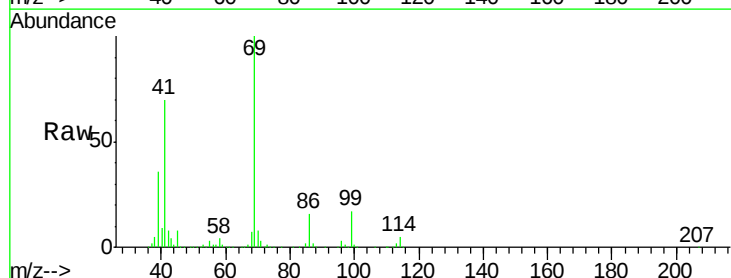
Manual Integrations
 APPROVED

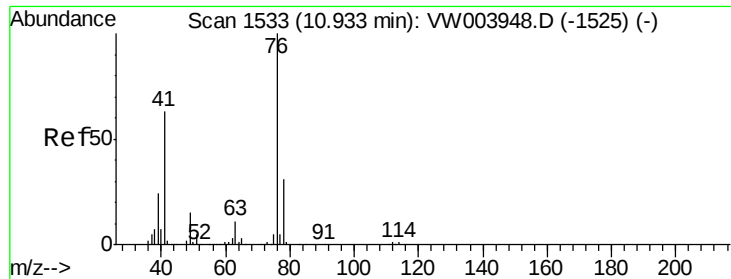
apatel
 7/17/2018 10:11:07 AM



#56
 Ethyl methacrylate
 Concen: 53.58 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW003948.D
 Acq: 16 Jul 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	157415		
41	70.6	56.5	84.7	
39	37.8	30.2	45.4	





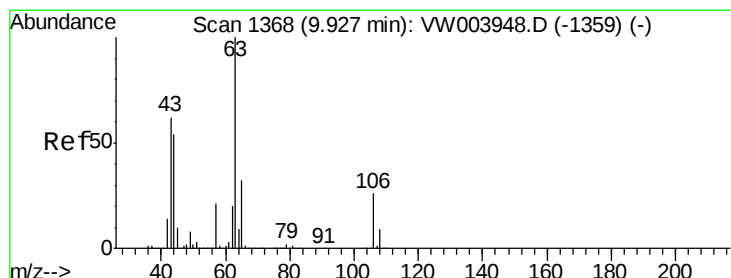
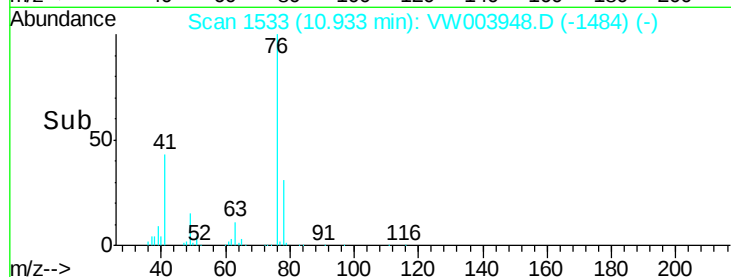
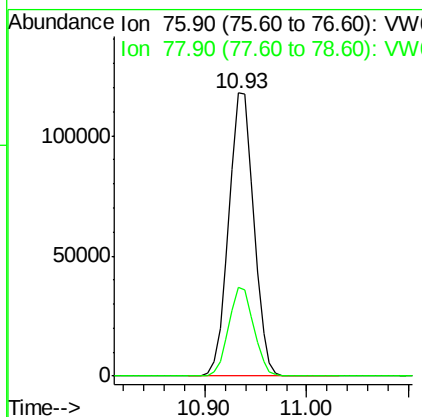
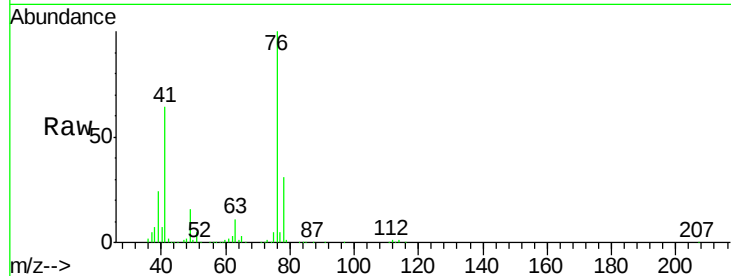
#57
 1,3-Dichloropropane
 Concen: 47.75 ug/l
 RT: 10.93 min Scan# 1533
 Delta R.T. 0.00 min
 Lab File: VW003948.D
 Acq: 16 Jul 2018 13:15

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.2	37.8

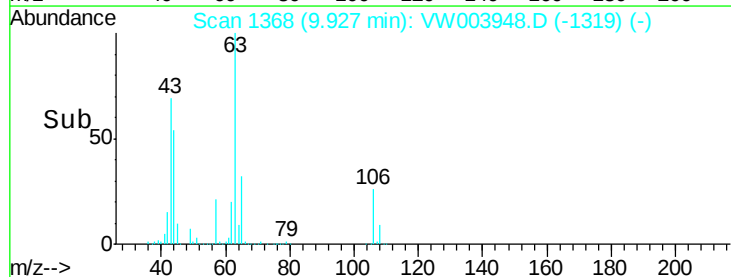
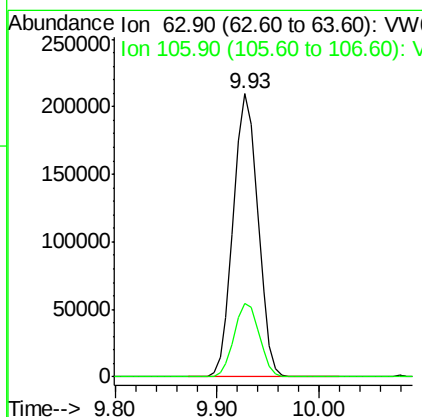
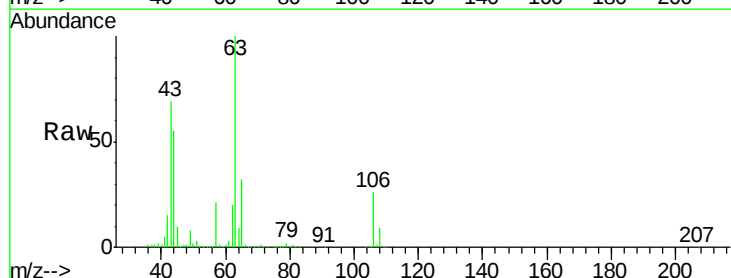
Manual Integrations
 APPROVED

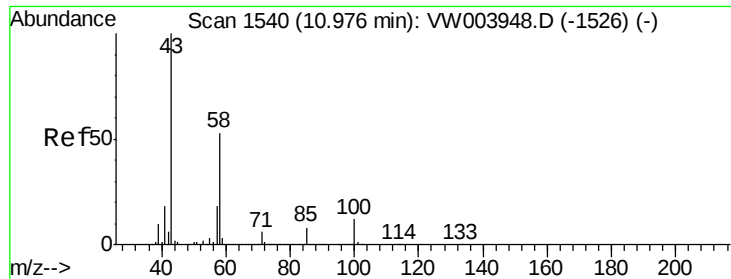
apatel
 7/17/2018 10:11:07 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.23 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW003948.D
 Acq: 16 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.2	31.8





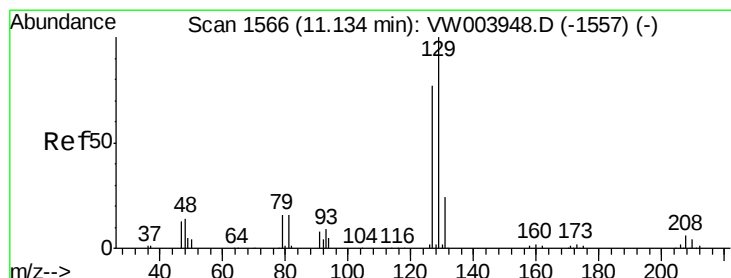
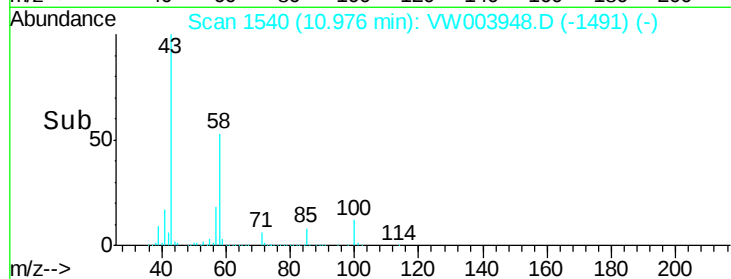
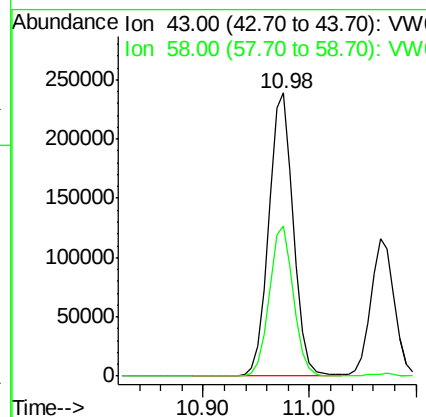
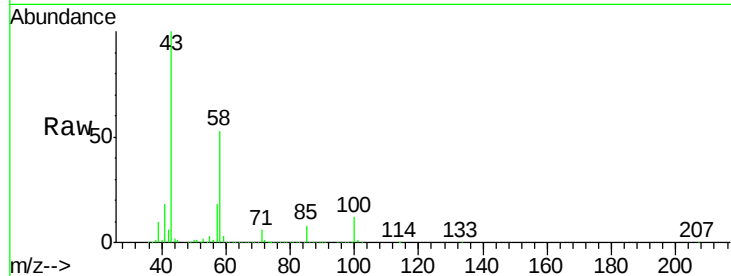
#59
2-Hexanone
Concen: 266.05 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 385297
Ion Ratio Lower Upper
43 100
58 52.0 26.0 78.0

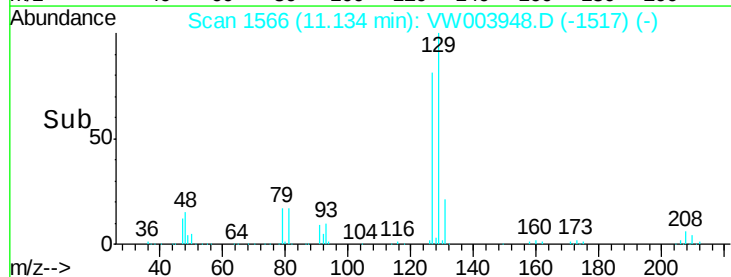
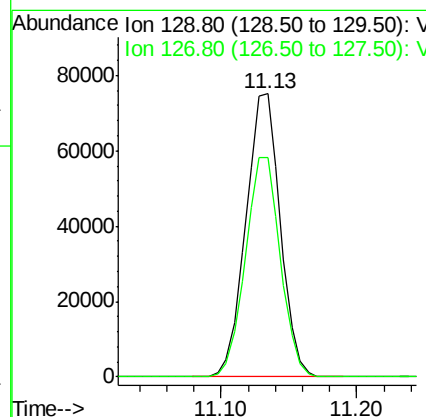
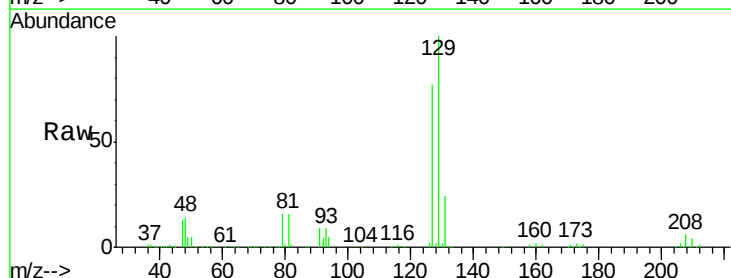
Manual Integrations
APPROVED

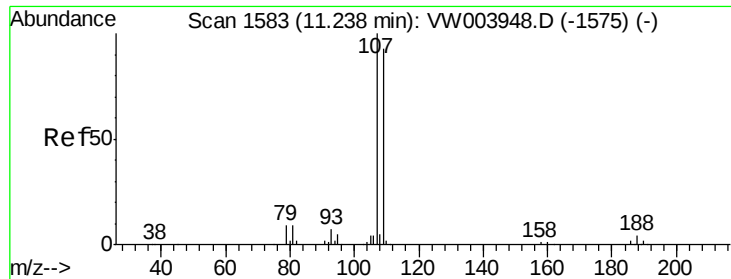
apatel
7/17/2018 10:11:07 AM



#60
Dibromochloromethane
Concen: 47.60 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Tgt Ion: 129 Resp: 133252
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.3





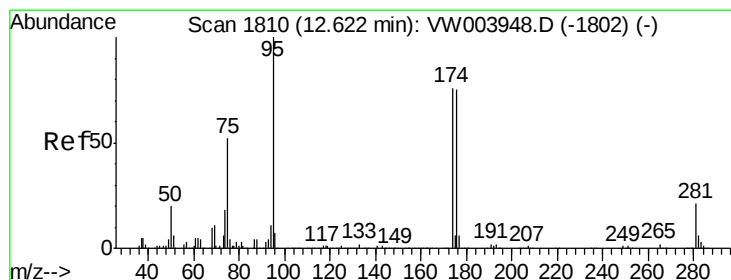
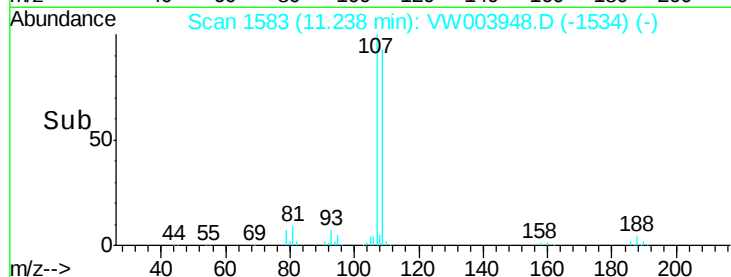
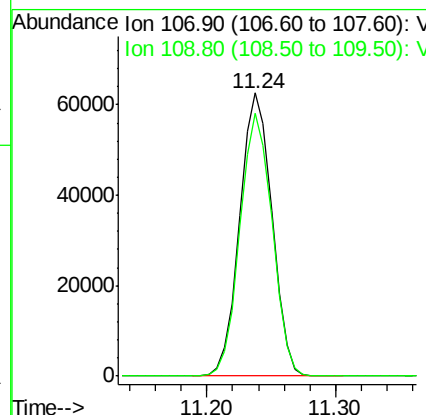
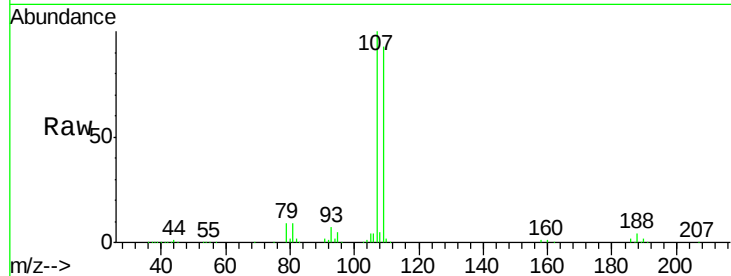
#61
 1,2-Dibromoethane
 Concen: 47.34 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW003948.D
 Acq: 16 Jul 2018 13:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	74.3	111.5

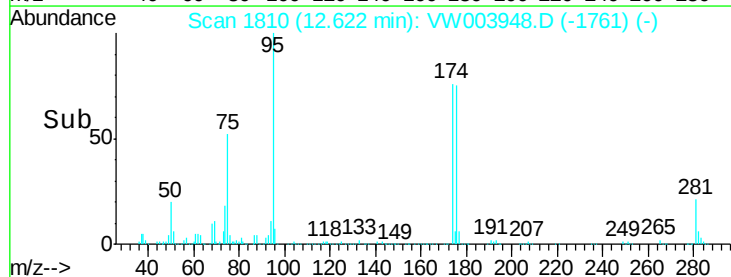
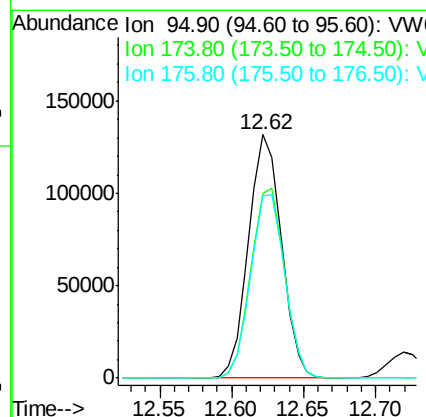
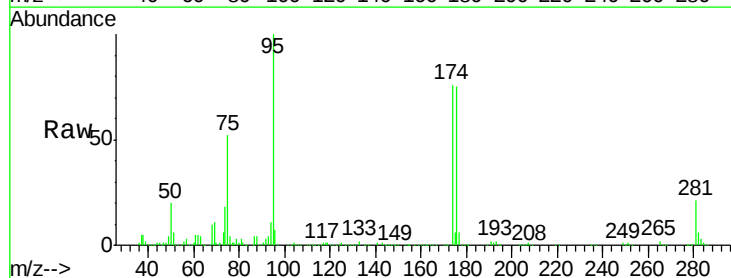
Manual Integrations
 APPROVED

apatel
 7/17/2018 10:11:07 AM



#62
 4-Bromofluorobenzene
 Concen: 50.87 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW003948.D
 Acq: 16 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.1	0.0	160.2
176	77.9	0.0	155.8





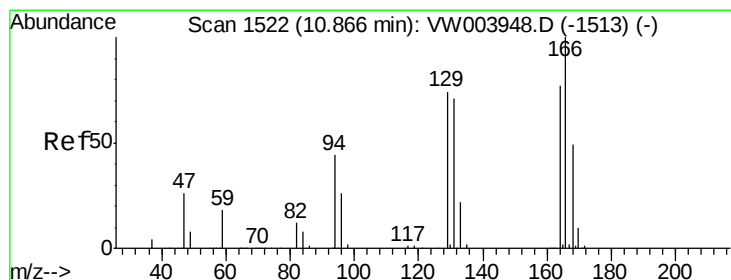
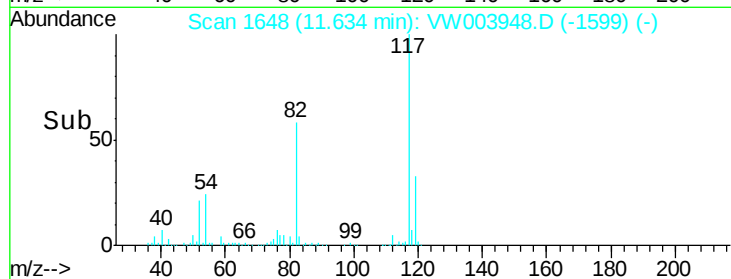
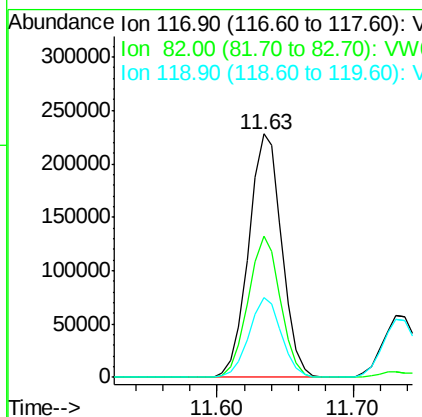
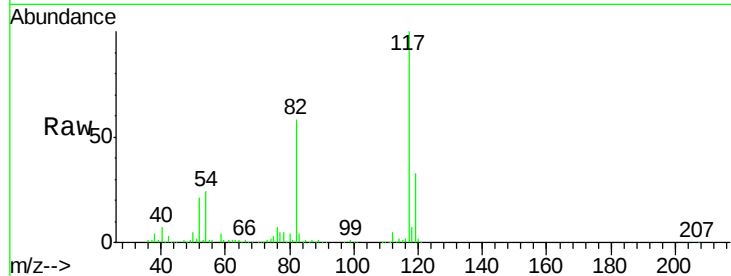
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.5	69.7
119	32.7	26.2	39.2

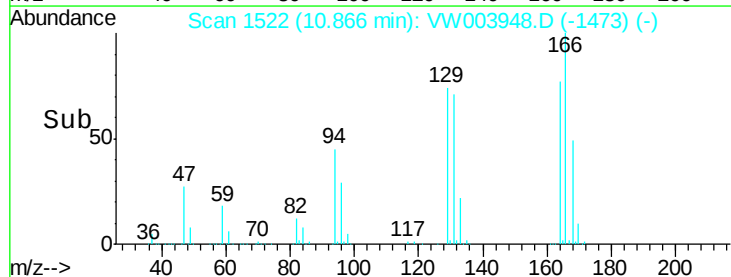
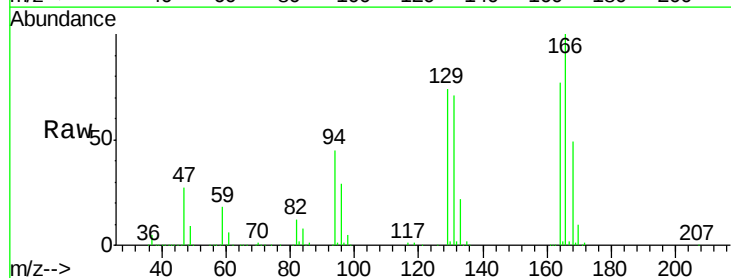
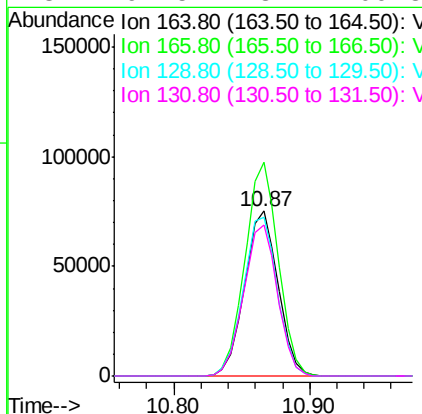
Manual Integrations
APPROVED

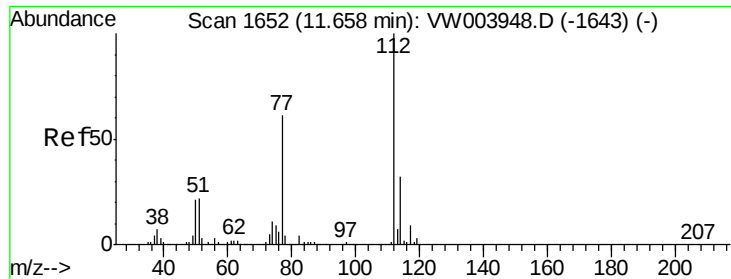
apatel
7/17/2018 10:11:07 AM



#64
Tetrachloroethene
Concen: 45.94 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	103.5	155.3
129	96.0	76.8	115.2
131	91.5	73.2	109.8





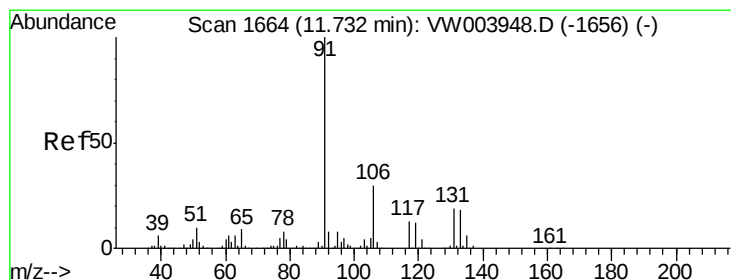
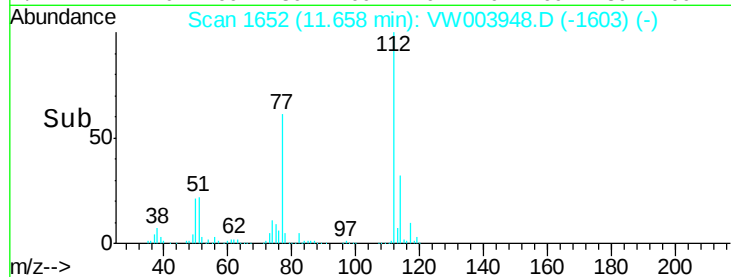
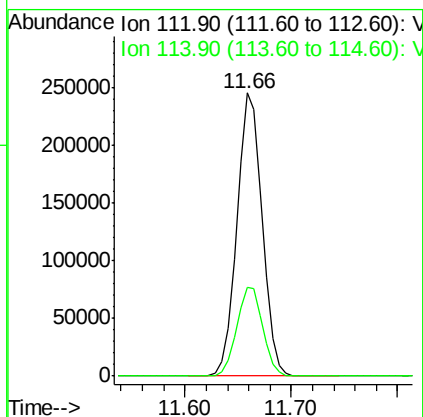
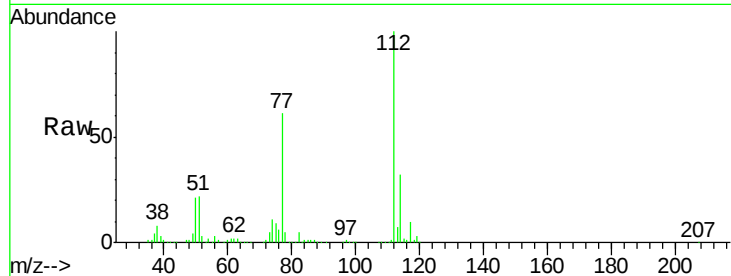
#65
Chlorobenzene
Concen: 48.19 ug/l
RT: 11.66 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion:112 Resp: 408438
Ion Ratio Lower Upper
112 100
114 31.5 25.2 37.8

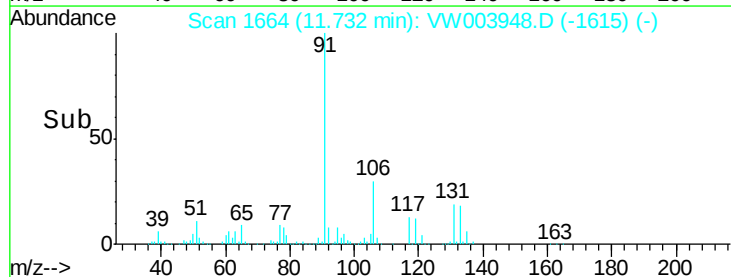
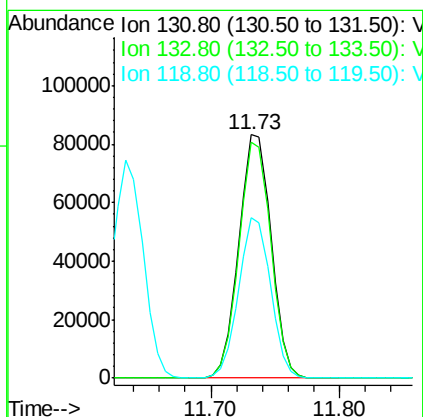
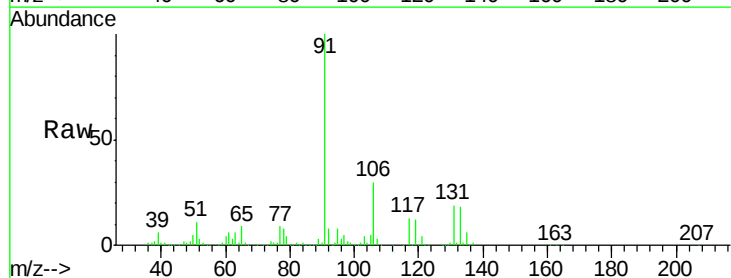
Manual Integrations
APPROVED

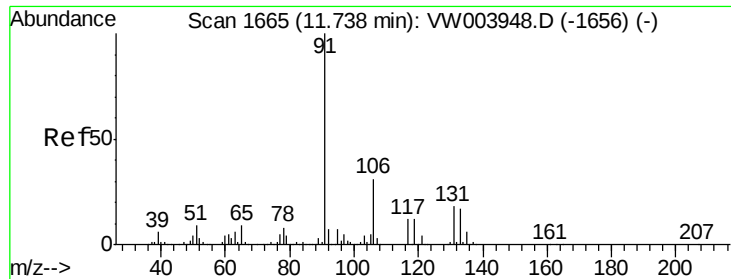
apatel
7/17/2018 10:11:07 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.84 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Tgt Ion:131 Resp: 144791
Ion Ratio Lower Upper
131 100
133 95.9 47.9 143.8
119 65.0 32.5 97.5





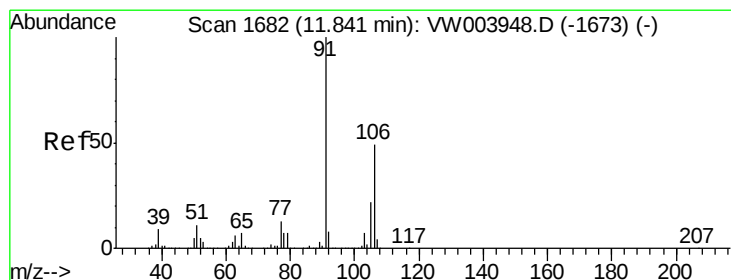
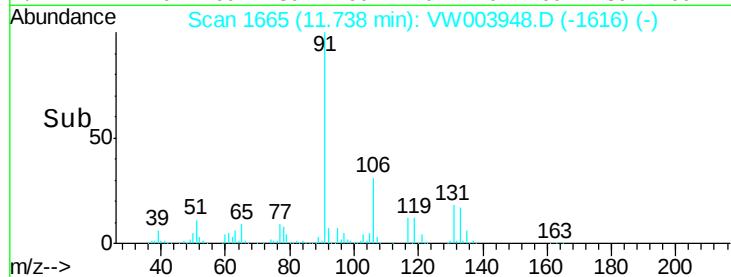
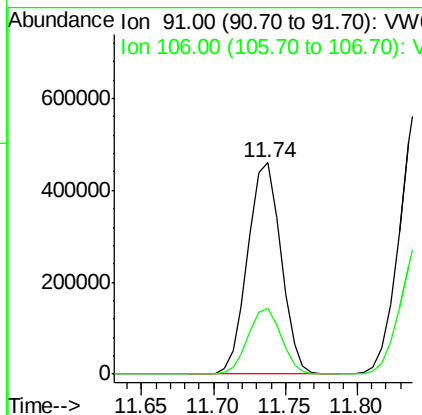
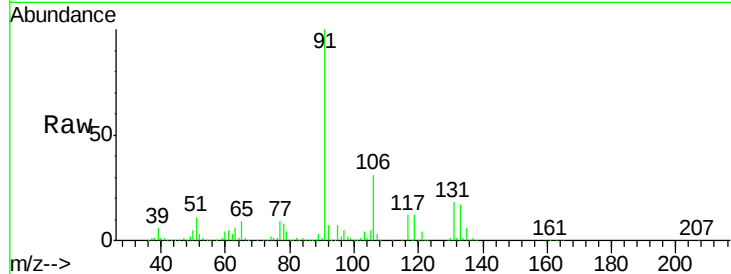
#67
Ethyl Benzene
Concen: 50.83 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 738170
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4

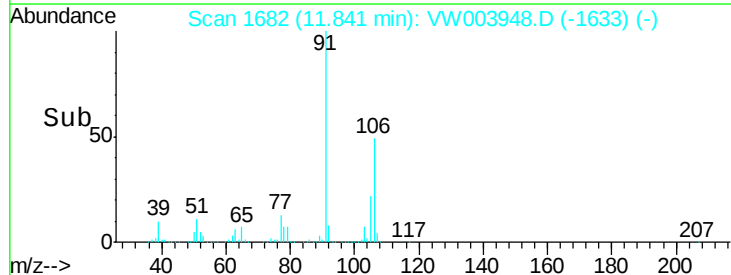
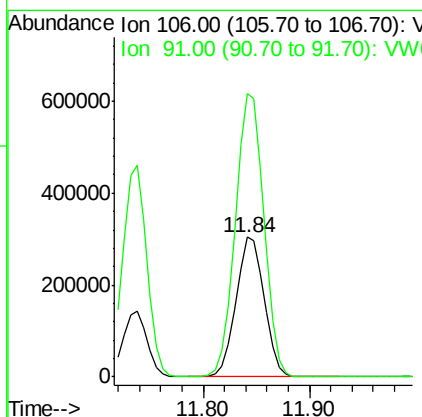
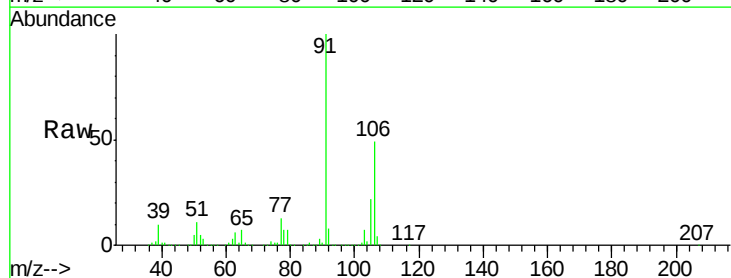
Manual Integrations
APPROVED

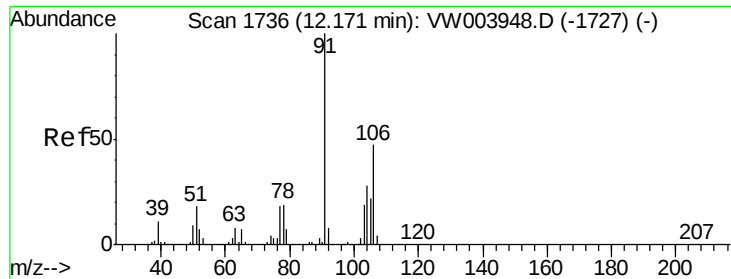
apatel
7/17/2018 10:11:07 AM



#68
m/p-Xylenes
Concen: 101.57 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Tgt Ion: 106 Resp: 564064
Ion Ratio Lower Upper
106 100
91 205.2 164.2 246.2





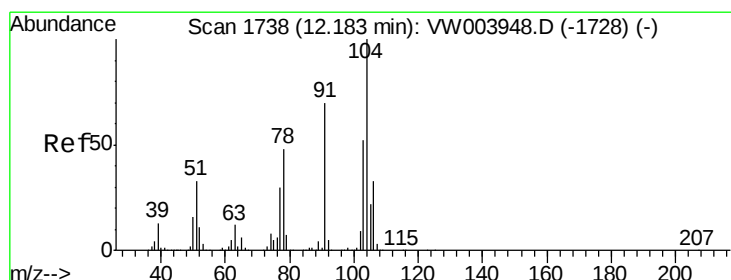
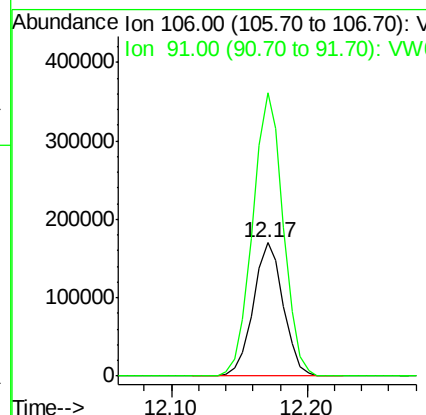
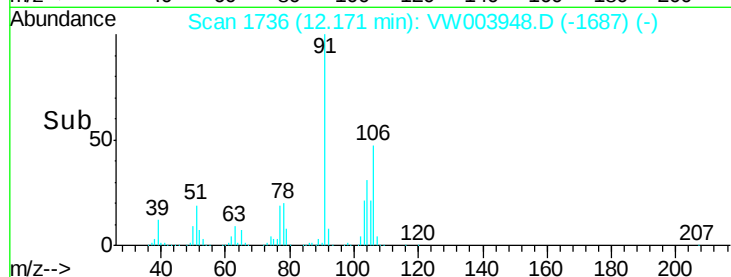
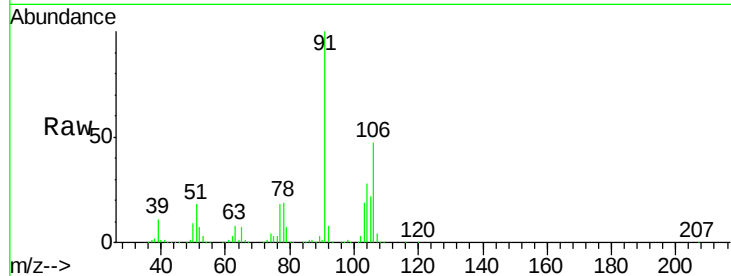
#69
o-Xylene
Concen: 51.54 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 264327
Ion Ratio Lower Upper
106 100
91 215.1 107.5 322.6

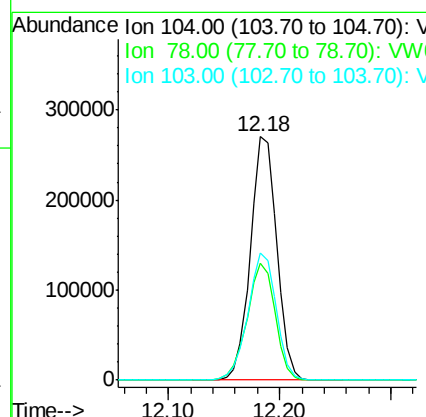
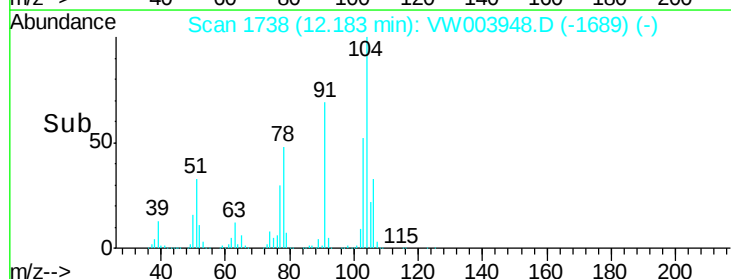
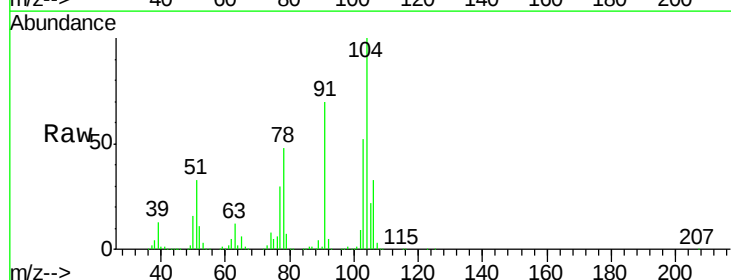
Manual Integrations
APPROVED

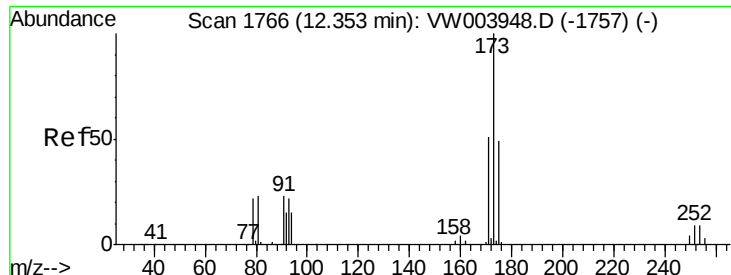
apatel
7/17/2018 10:11:07 AM



#70
Styrene
Concen: 51.39 ug/l
RT: 12.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Tgt Ion:104 Resp: 446136
Ion Ratio Lower Upper
104 100
78 51.2 41.0 61.4
103 55.8 44.6 67.0





#71

Bromoform

Concen: 51.10 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003948.D

Acq: 16 Jul 2018 13:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 83445

Ion Ratio Lower Upper

173 100

175 48.8 24.4 73.2

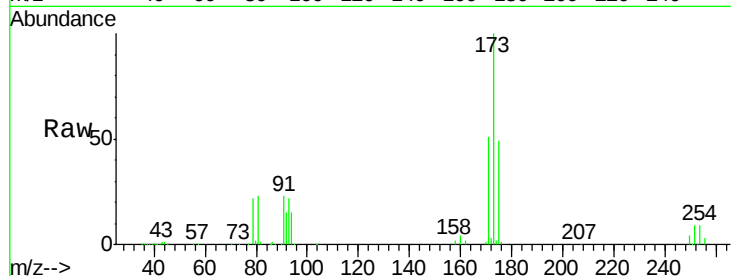
254 0.1 0.1 0.1

Manual Integrations

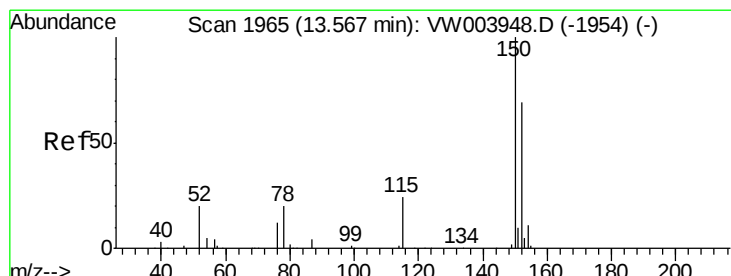
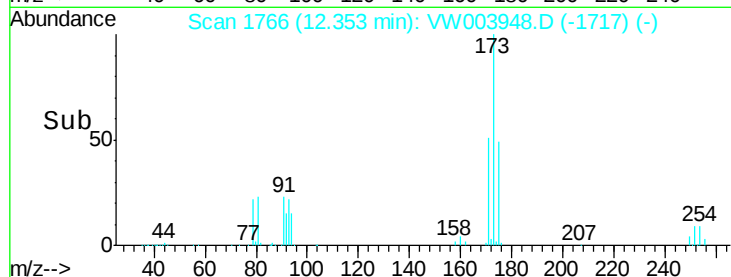
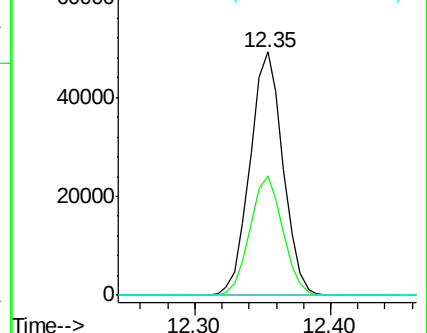
APPROVED

apatel

7/17/2018 10:11:07 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003948.D

Acq: 16 Jul 2018 13:15

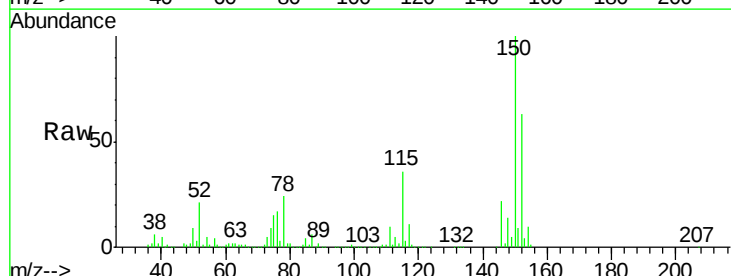
Tgt Ion:152 Resp: 206419

Ion Ratio Lower Upper

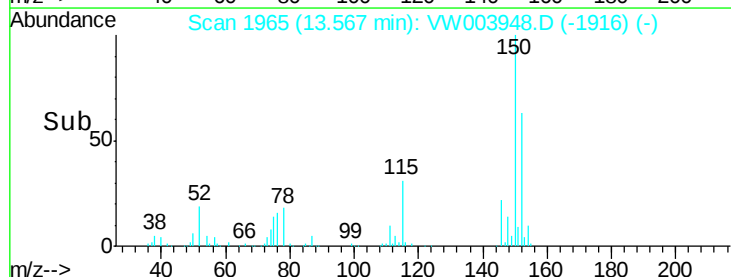
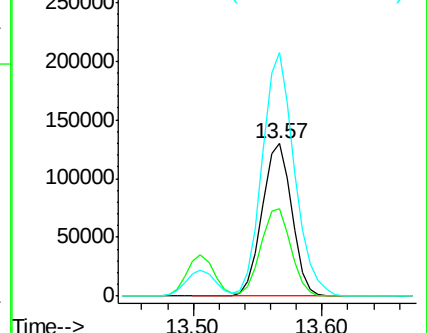
152 100

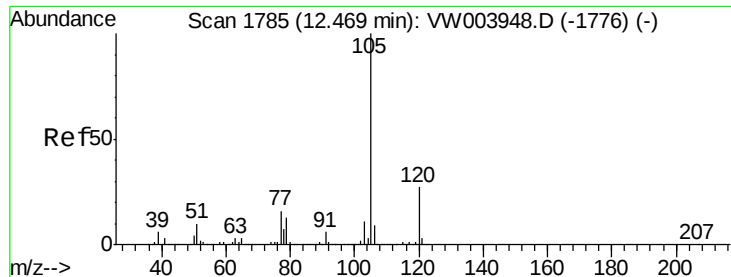
115 58.4 29.2 87.6

150 172.6 0.0 345.2



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





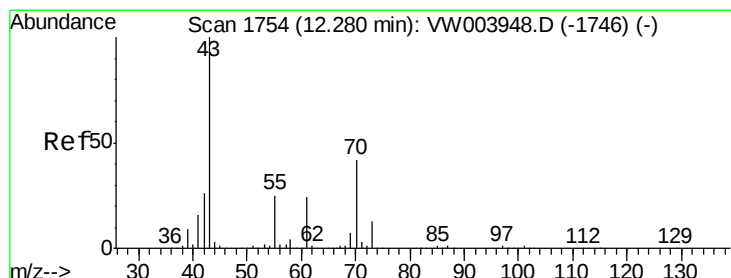
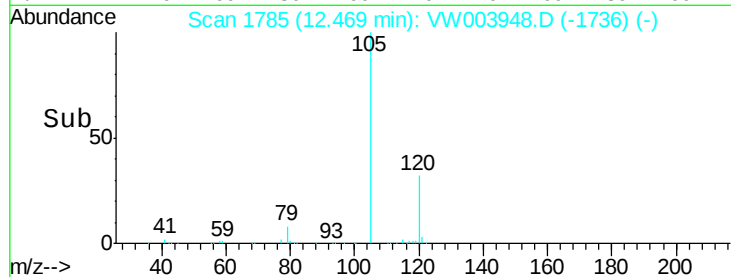
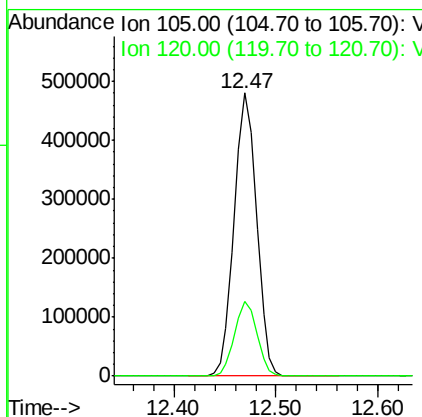
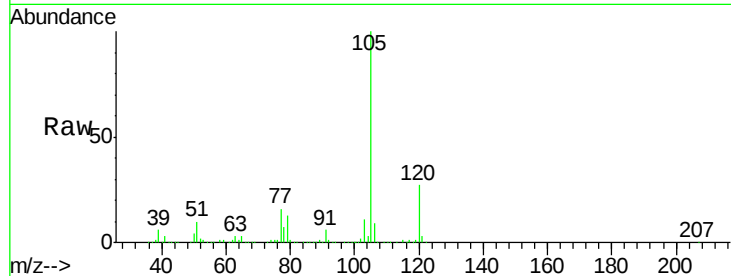
#73
Isopropylbenzene
Concen: 52.15 ug/l
RT: 12.47 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.6

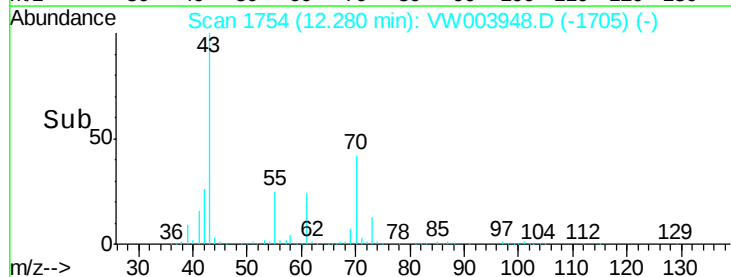
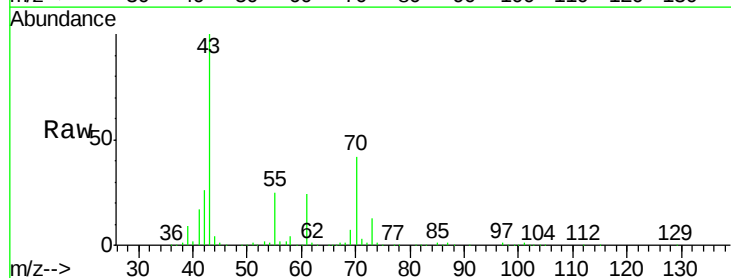
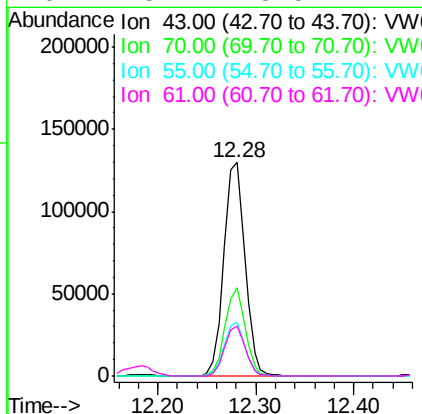
Manual Integrations
APPROVED

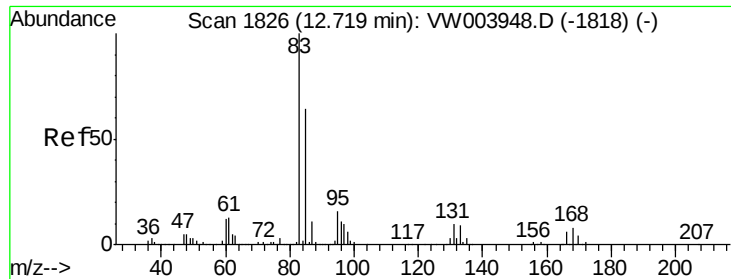
apatel
7/17/2018 10:11:07 AM



#74
N-ethyl acetate
Concen: 52.10 ug/l
RT: 12.28 min Scan# 1754
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.5	31.6	47.4
55	25.0	20.0	30.0
61	23.1	18.5	27.7





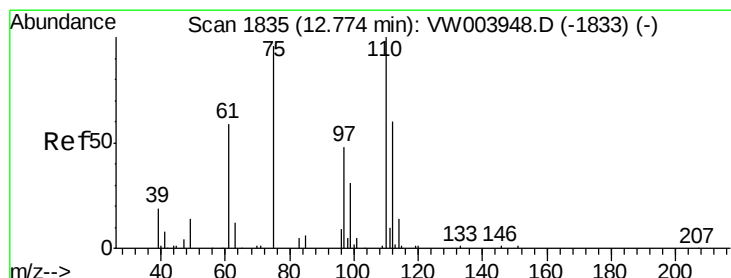
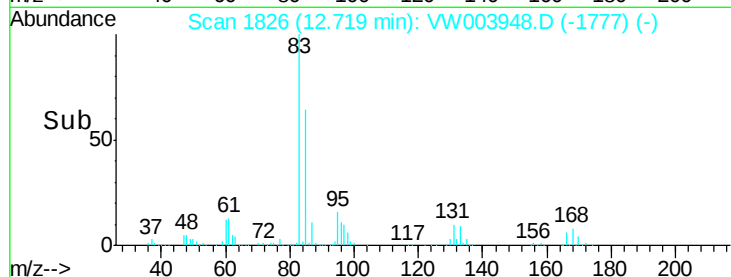
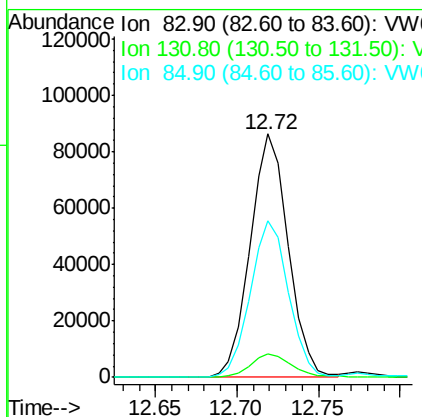
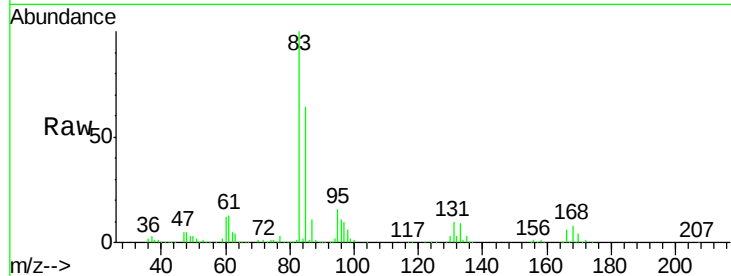
#75
 1,1,2,2-Tetrachloroethane
 Concen: 49.83 ug/l
 RT: 12.72 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VW003948.D
 Acq: 16 Jul 2018 13:15

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tot Ion	83	Resp	140007
Ion Ratio	100	Lower	Upper
83	100		
131	10.5	5.3	15.8
85	64.4	32.2	96.6

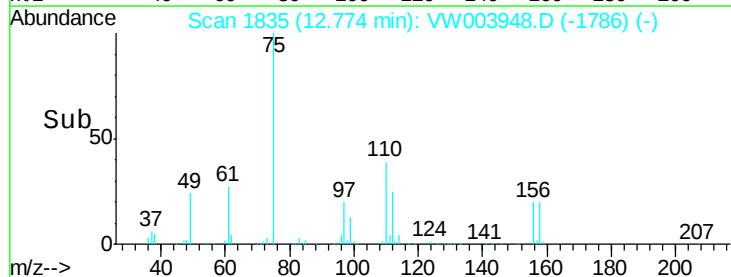
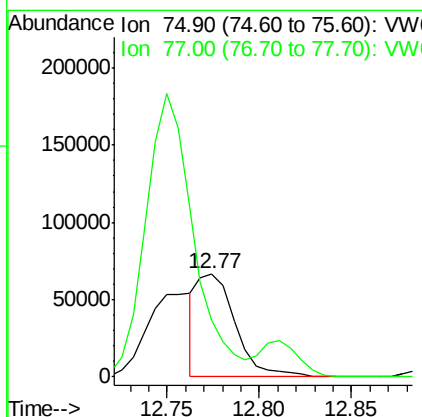
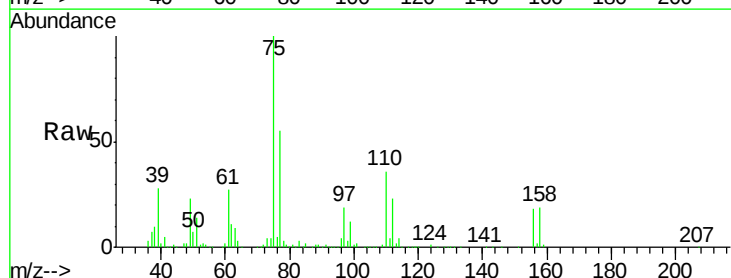
Manual Integrations
 APPROVED

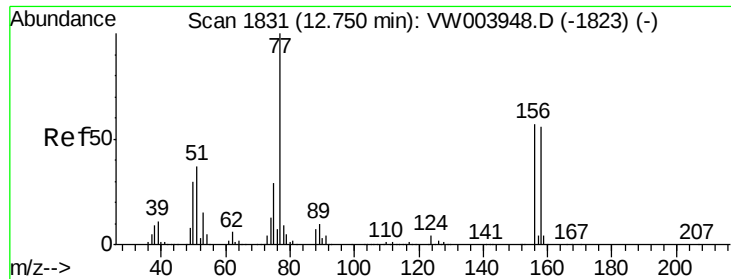
apatel
 7/17/2018 10:11:07 AM



#76
 1,2,3-Trichloropropane
 Concen: 41.38 ug/l m
 RT: 12.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VW003948.D
 Acq: 16 Jul 2018 13:15

Tgt Ion	75	Resp	96713
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.49 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW003948.D

Acq: 16 Jul 2018 13:15

Instrument :

MSVOA_W

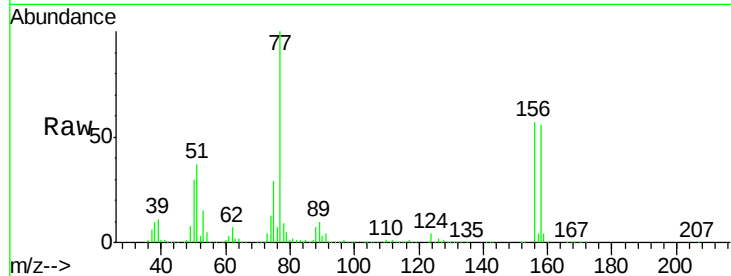
ClientSampled :

VSTDICCC050

Tot Ion:	156	Resp:	171251
Ion Ratio	Lower	Upper	
156	100		
77	192.4	96.2	288.6
158	97.0	48.5	145.5

Manual Integrations
APPROVED

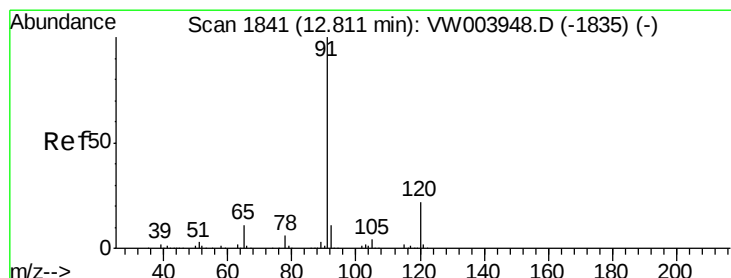
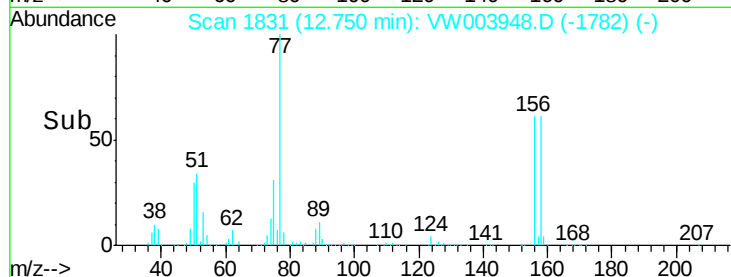
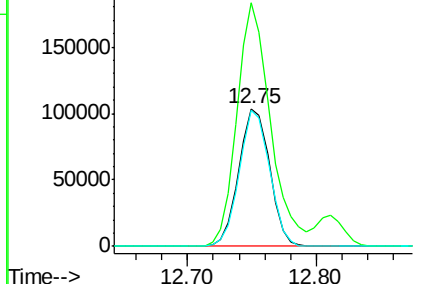
apatel
7/17/2018 10:11:07 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.54 ug/l

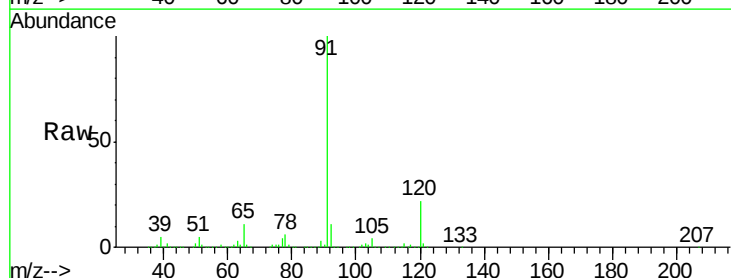
RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003948.D

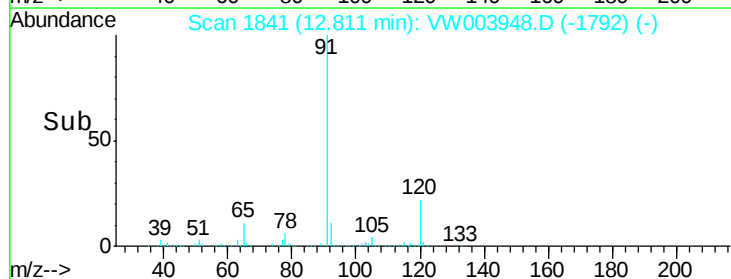
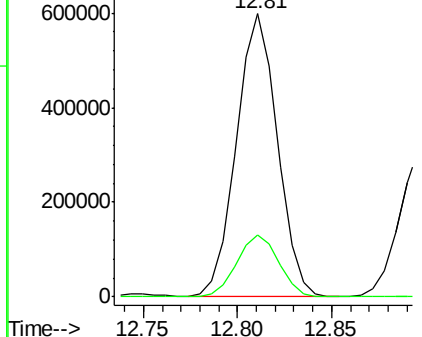
Acq: 16 Jul 2018 13:15

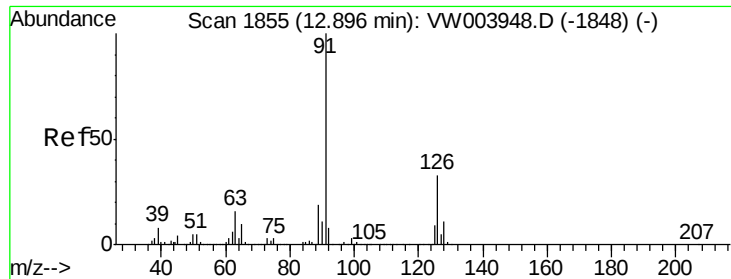
Tgt Ion:	91	Resp:	901599
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.2	33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





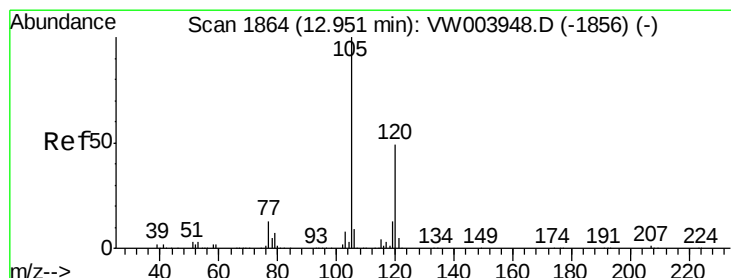
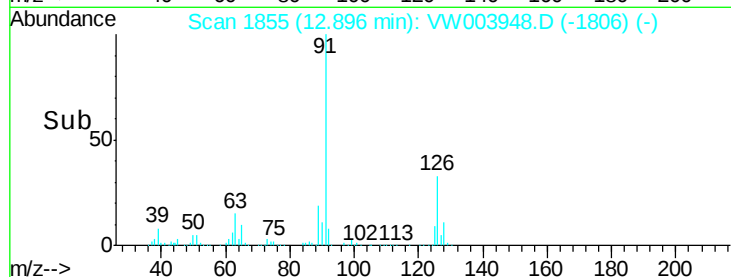
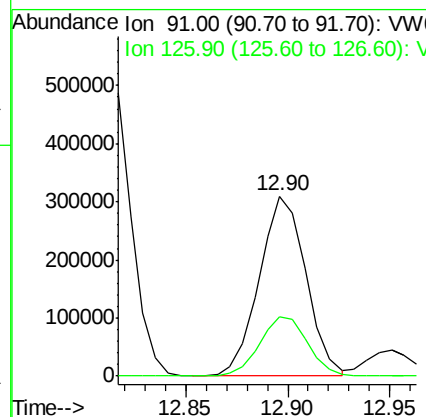
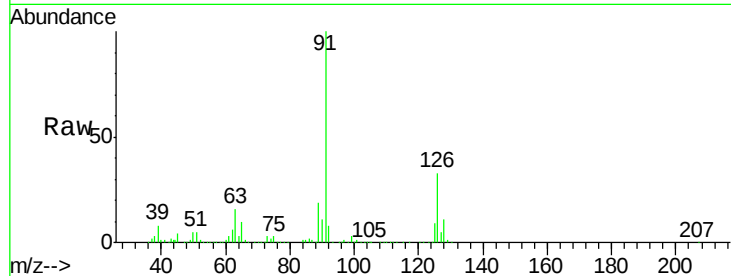
#79
 2-Chlorotoluene
 Concen: 49.44 ug/l
 RT: 12.90 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW003948.D
 Acq: 16 Jul 2018 13:15

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tot Ion: 91 Resp: 495144
 Ion Ratio Lower Upper
 91 100
 126 34.0 17.0 51.0

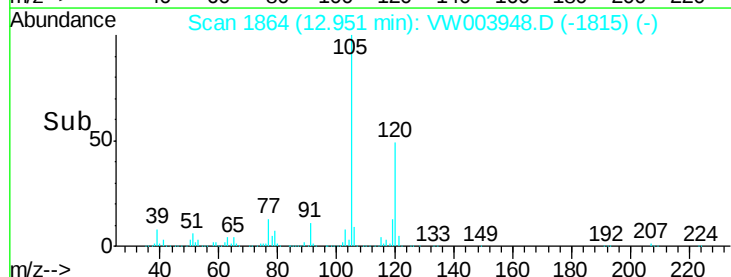
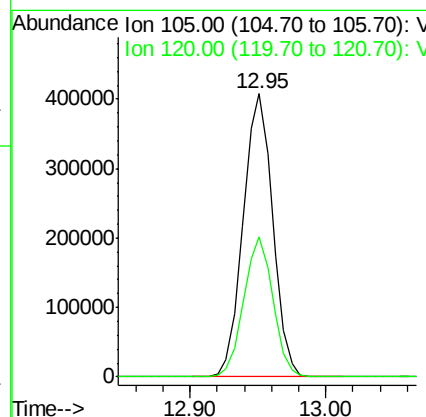
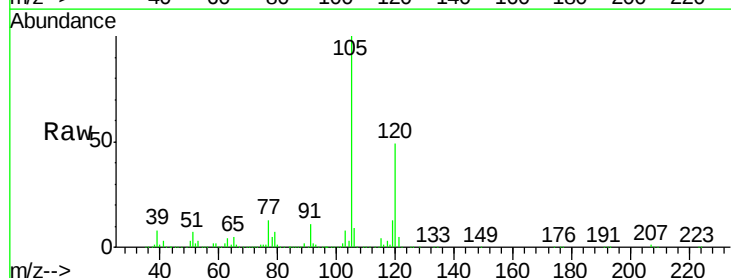
Manual Integrations
 APPROVED

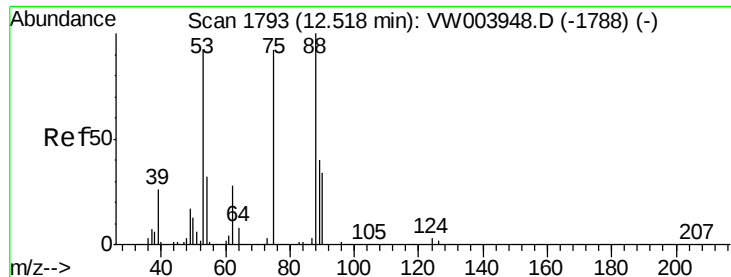
apatel
 7/17/2018 10:11:07 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 51.47 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW003948.D
 Acq: 16 Jul 2018 13:15

Tgt Ion: 105 Resp: 617841
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.4 73.2





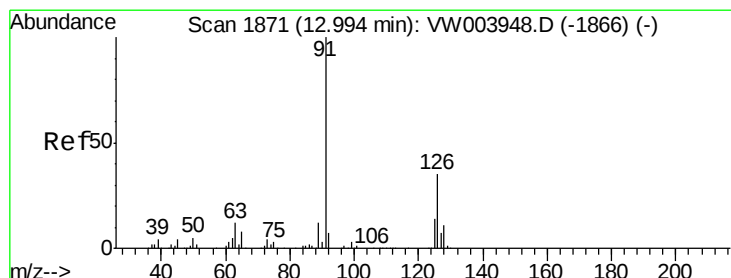
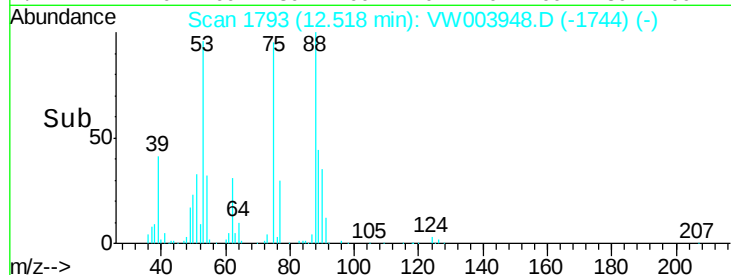
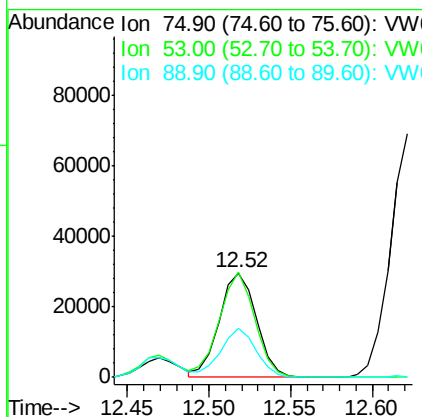
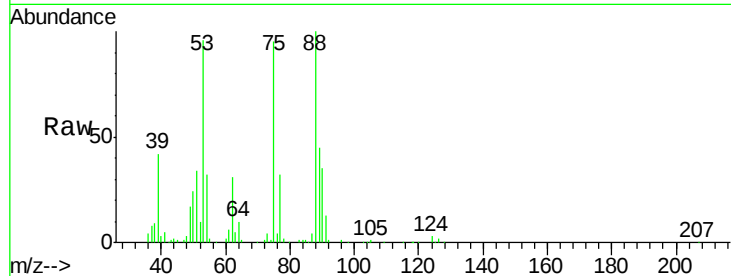
#81
trans-1,4-Dichloro-2-butene
Concen: 56.11 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.0	77.6	116.4
89	45.7	36.6	54.8

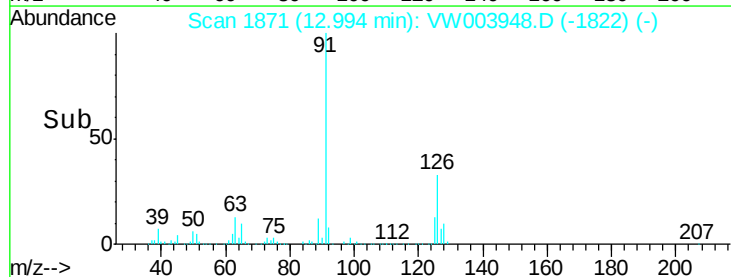
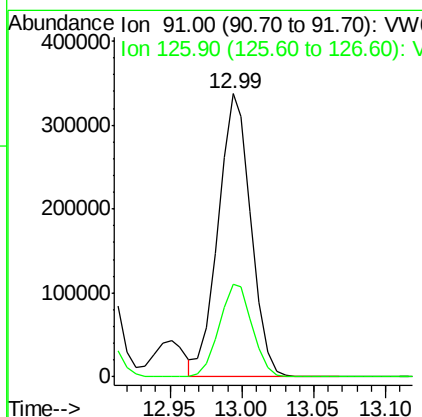
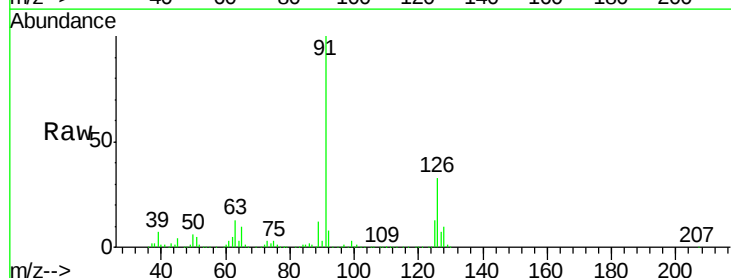
Manual Integrations
APPROVED

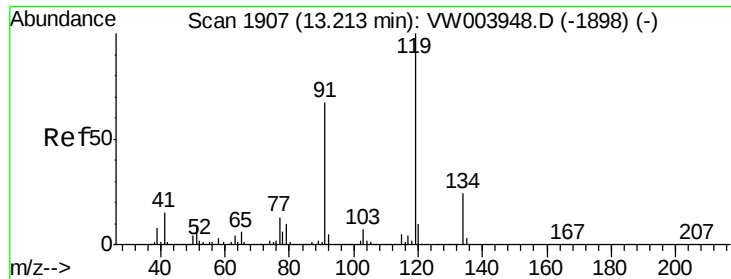
apatel
7/17/2018 10:11:07 AM



#82
4-Chlorotoluene
Concen: 49.60 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.7	50.0





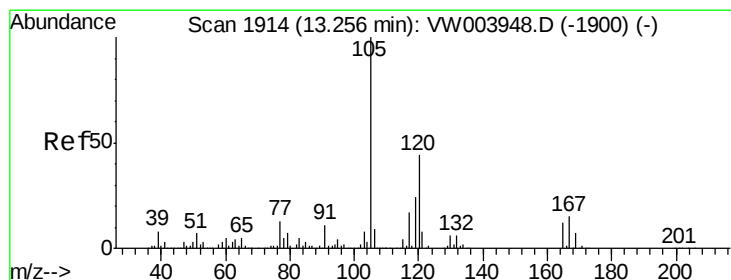
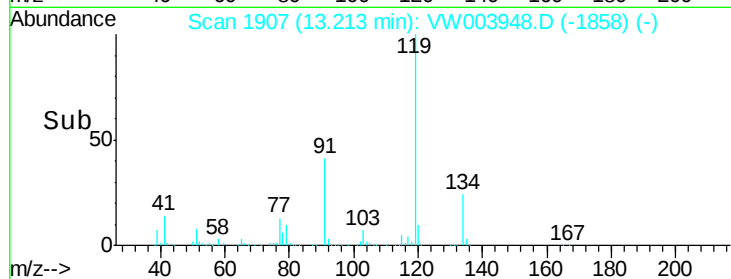
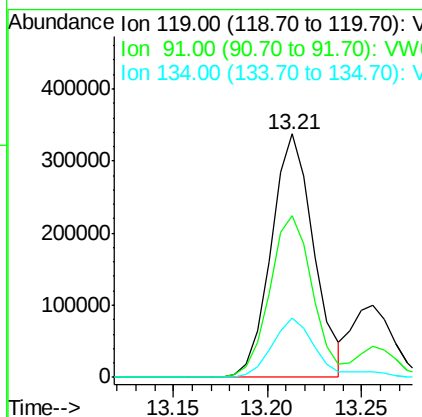
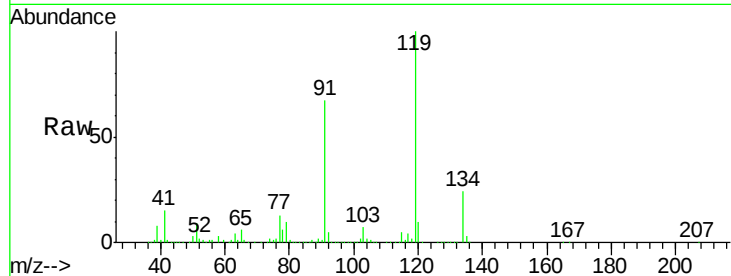
#83
 tert-Butylbenzene
 Concen: 53.10 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW003948.D
 Acq: 16 Jul 2018 13:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.4	33.2	99.6
134	25.9	13.0	38.9

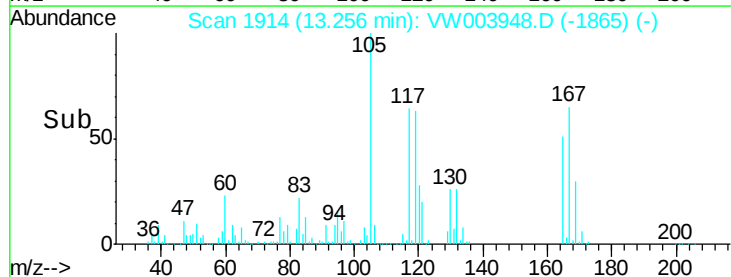
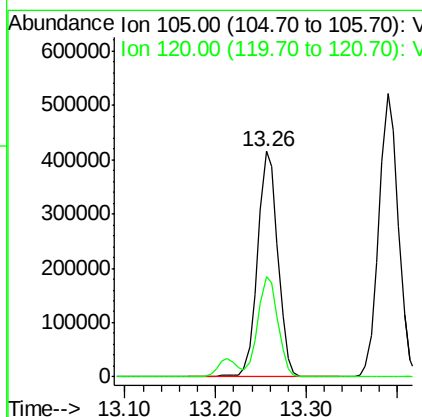
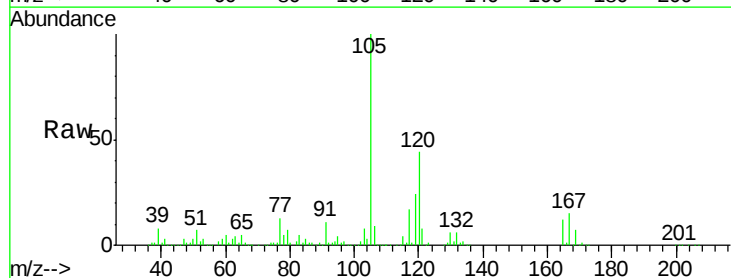
Manual Integrations
 APPROVED

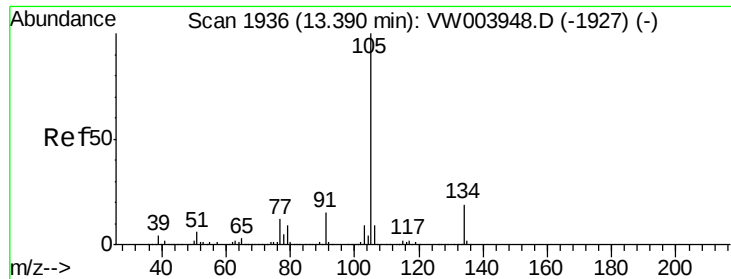
apatel
 7/17/2018 10:11:07 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.26 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW003948.D
 Acq: 16 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1





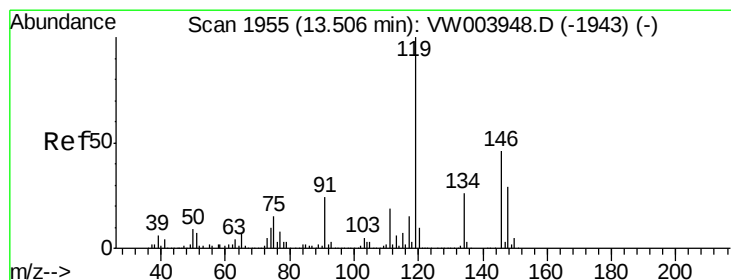
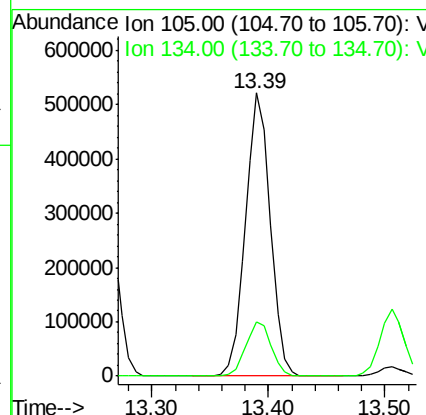
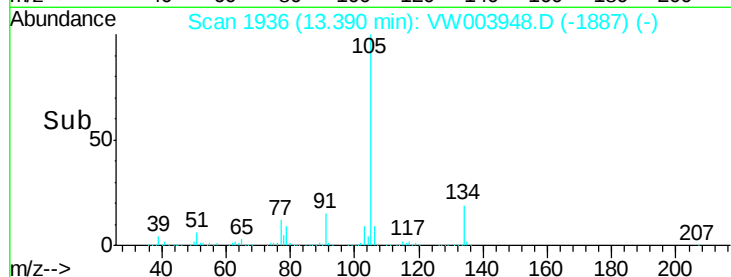
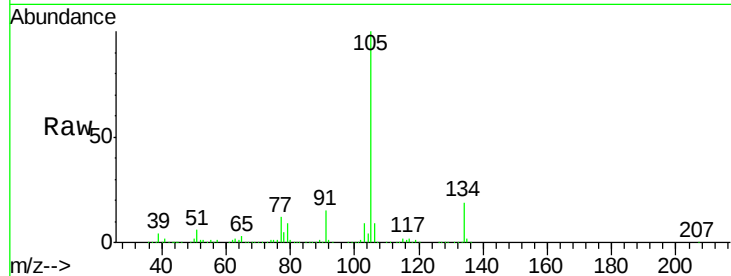
#85
 sec-Butylbenzene
 Concen: 52.11 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW003948.D
 Acq: 16 Jul 2018 13:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

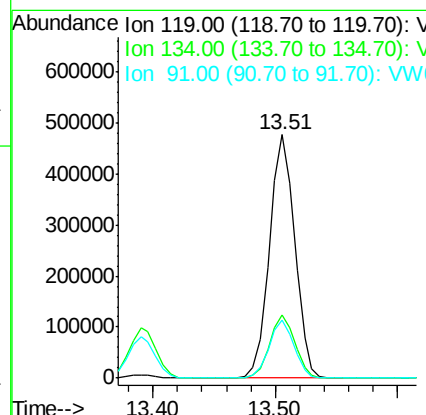
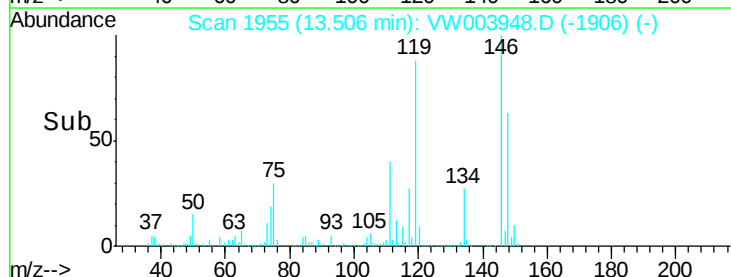
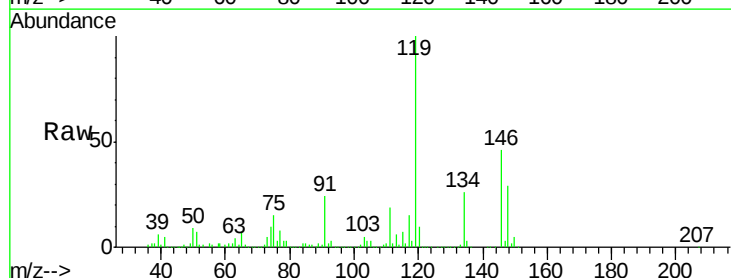
Manual Integrations
 APPROVED

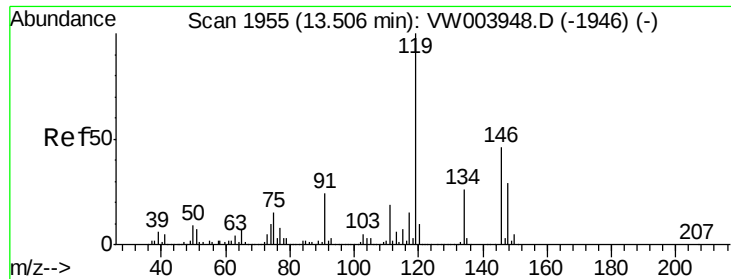
apatel
 7/17/2018 10:11:07 AM



#86
 p-Isopropyltoluene
 Concen: 52.90 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003948.D
 Acq: 16 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	23.5	11.8	35.3





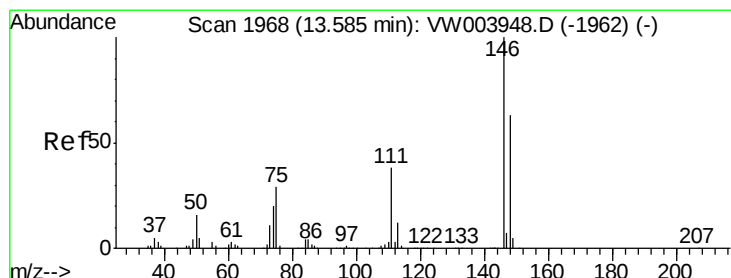
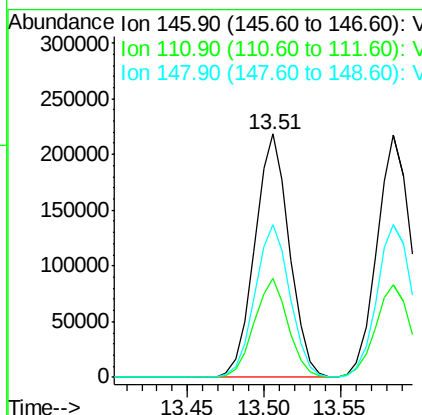
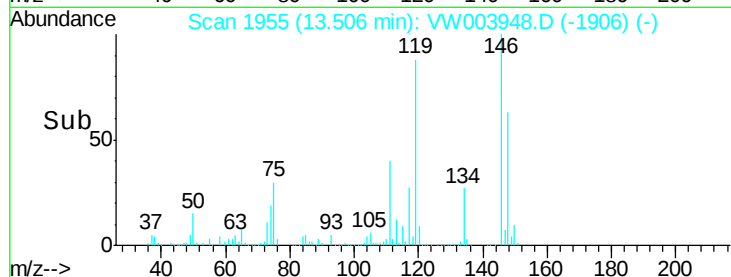
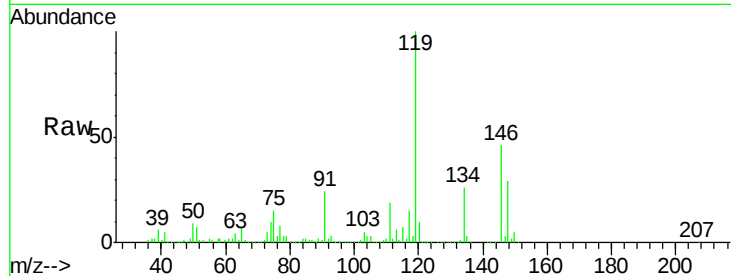
#87
 1,3-Dichlorobenzene
 Concen: 48.97 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003948.D
 Acq: 16 Jul 2018 13:15

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	342448		
111	39.7	19.9	59.6	
148	63.7	31.9	95.5	

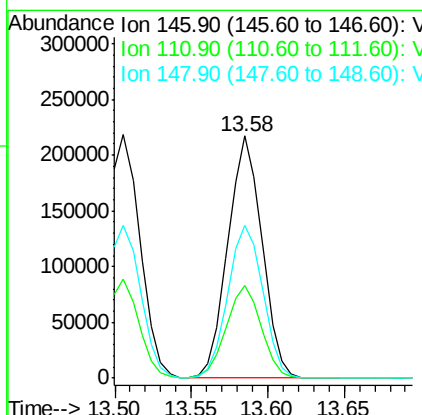
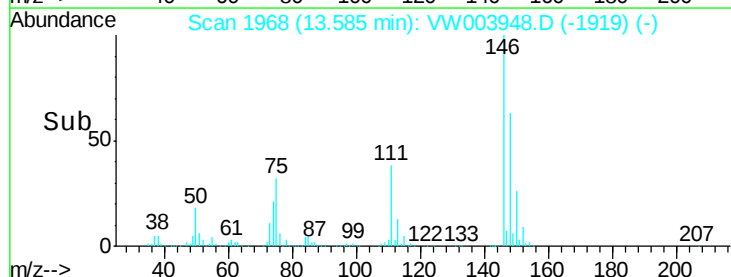
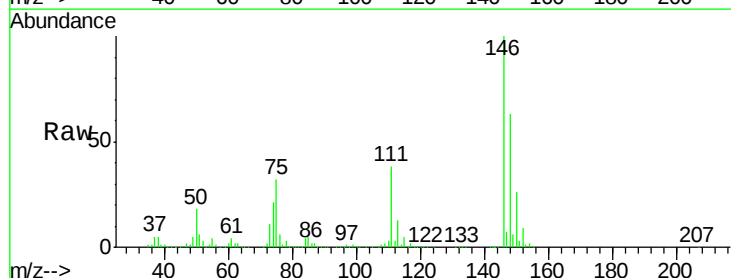
Manual Integrations
 APPROVED

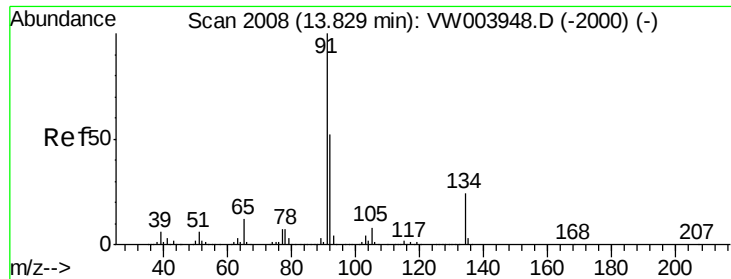
apatel
 7/17/2018 10:11:07 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.03 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003948.D
 Acq: 16 Jul 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	336935		
111	39.1	19.6	58.7	
148	64.5	32.3	96.8	





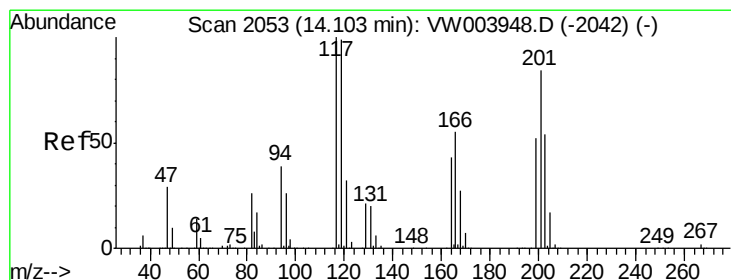
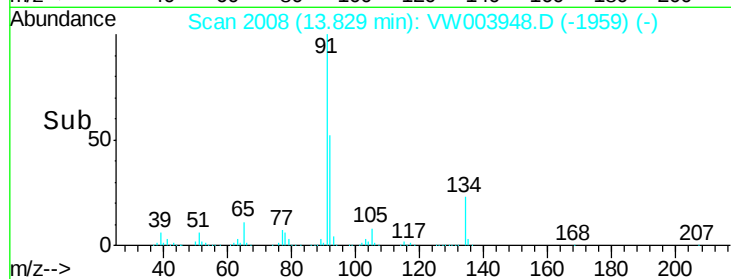
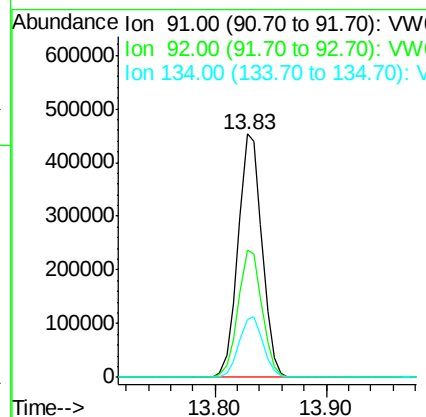
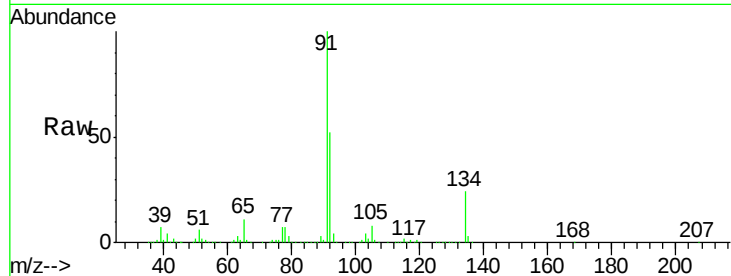
#89
n-Butylbenzene
Concen: 52.58 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.3
134	24.9	12.4	37.4

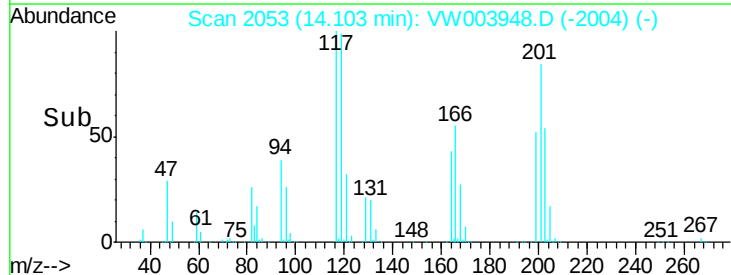
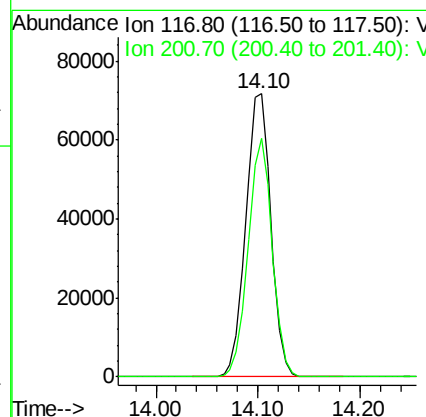
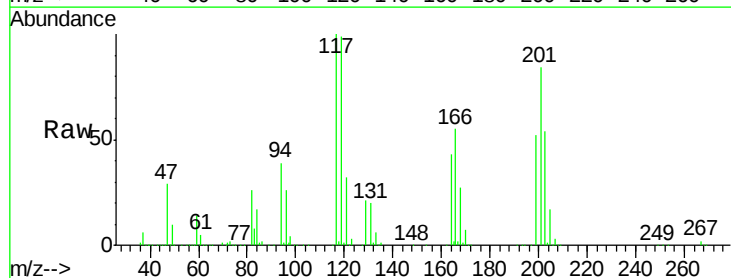
Manual Integrations
APPROVED

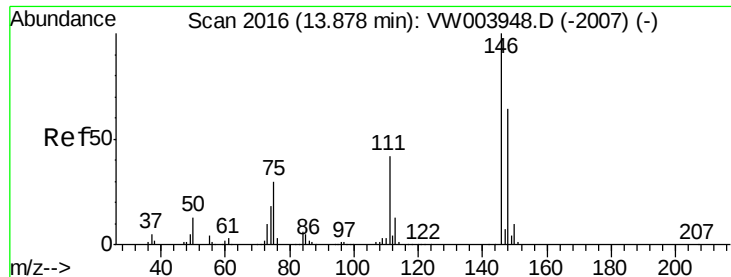
apatel
7/17/2018 10:11:07 AM



#90
Hexachloroethane
Concen: 49.08 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VW003948.D
Acq: 16 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.6	40.3	120.9





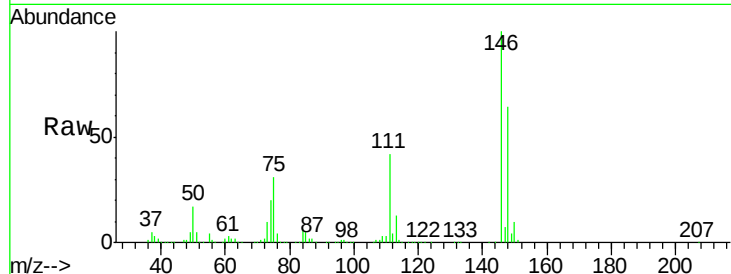
#91
 1,2-Dichlorobenzene
 Concen: 48.42 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003948.D
 Acq: 16 Jul 2018 13:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	64.1	32.0	96.2

Manual Integrations
 APPROVED

apatel
 7/17/2018 10:11:07 AM

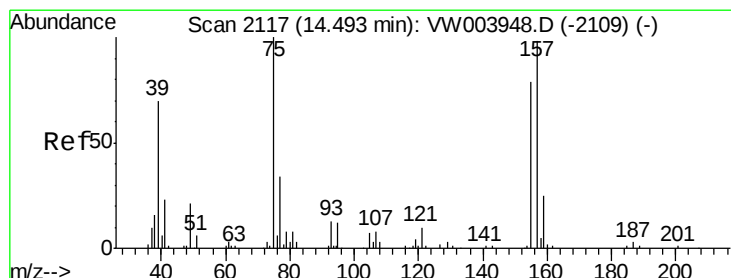
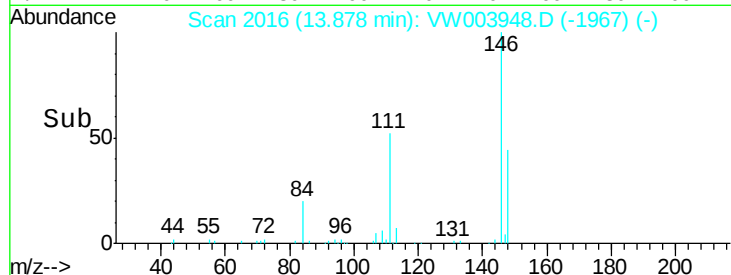
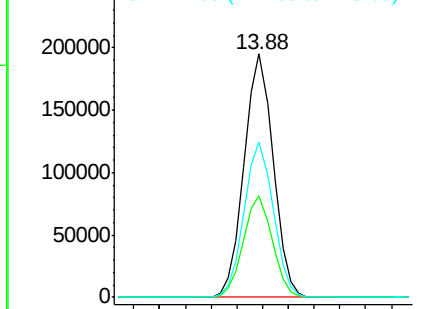


Abundance

Ion 145.90 (145.60 to 146.60): V

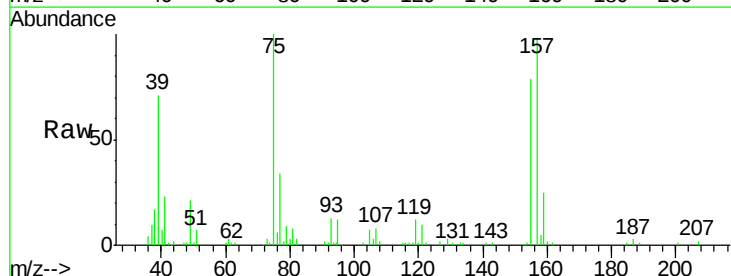
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.56 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003948.D
 Acq: 16 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.7	39.4	118.1
157	103.6	51.8	155.4

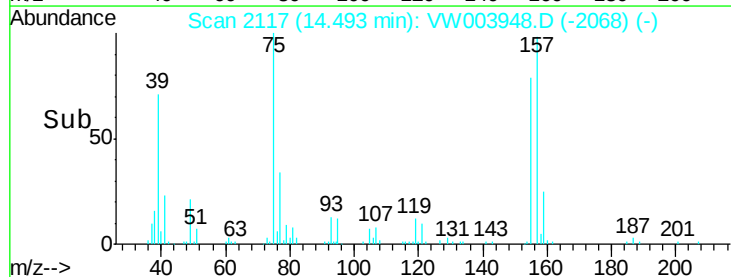
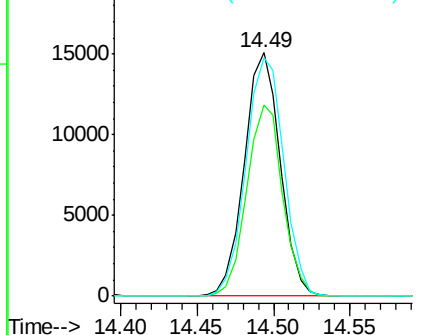


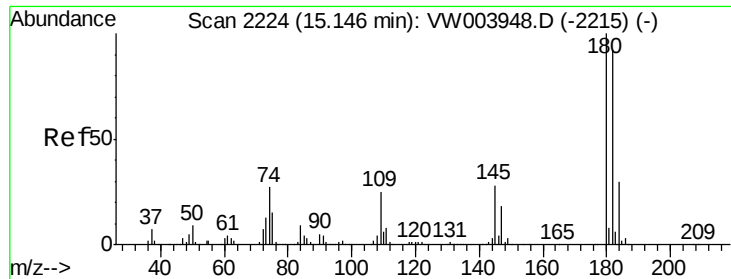
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





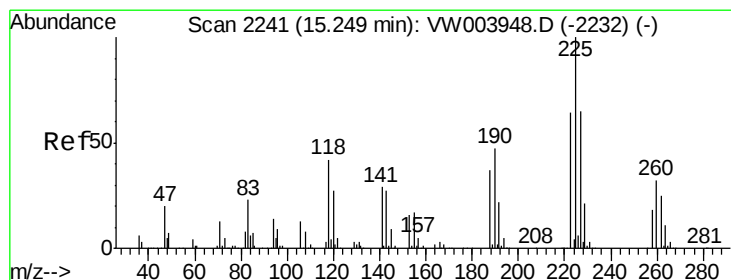
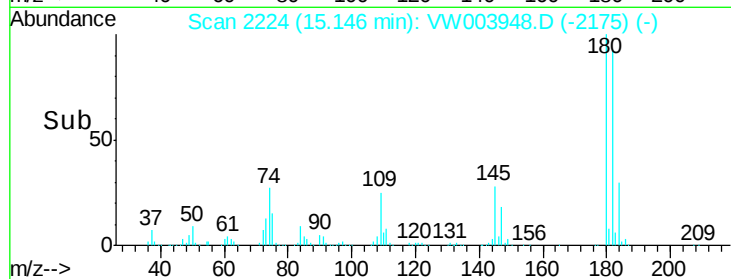
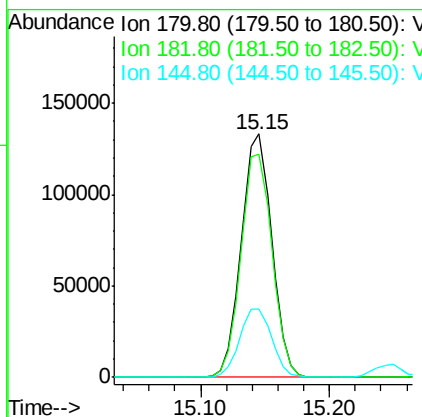
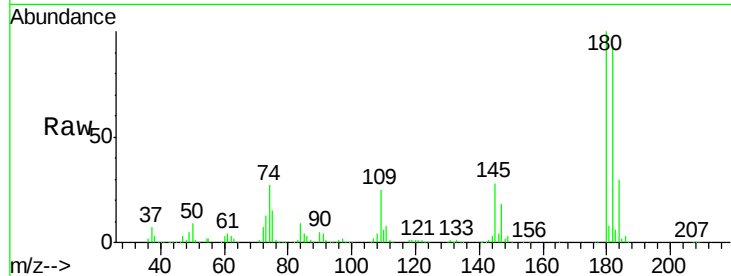
#93
 1,2,4-Trichlorobenzene
 Concen: 51.08 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003948.D
 Acq: 16 Jul 2018 13:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	218060		
182	93.9	46.9	140.8	
145	30.0	15.0	45.0	

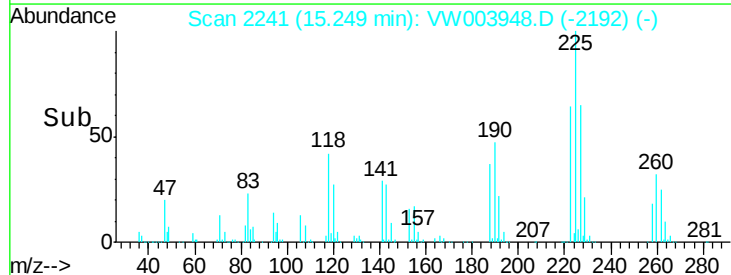
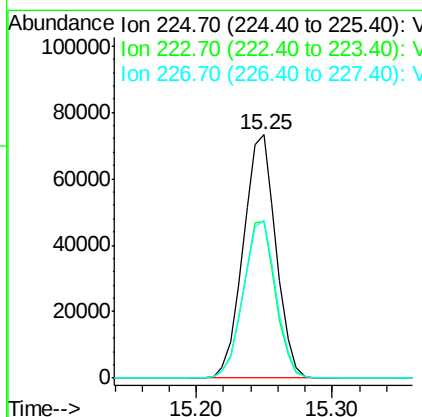
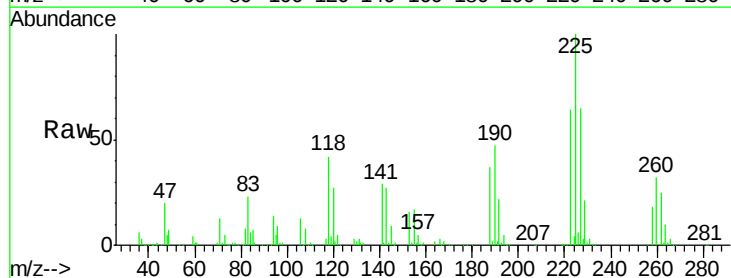
Manual Integrations
 APPROVED

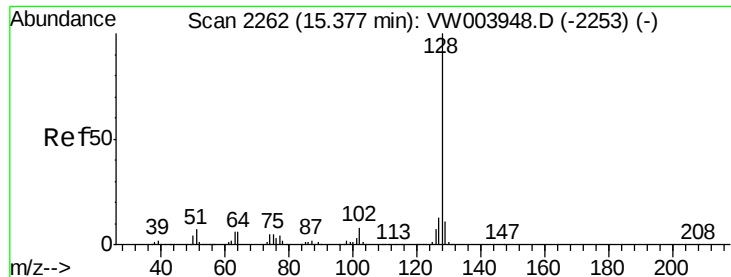
apatel
 7/17/2018 10:11:07 AM



#94
 Hexachlorobutadiene
 Concen: 50.02 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003948.D
 Acq: 16 Jul 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	122618		
223	64.1	32.0	96.2	
227	64.6	32.3	96.9	





#95

Naphthalene

Concen: 55.14 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW003948.D

Acq: 16 Jul 2018 13:15

Instrument :

MSVOA_W

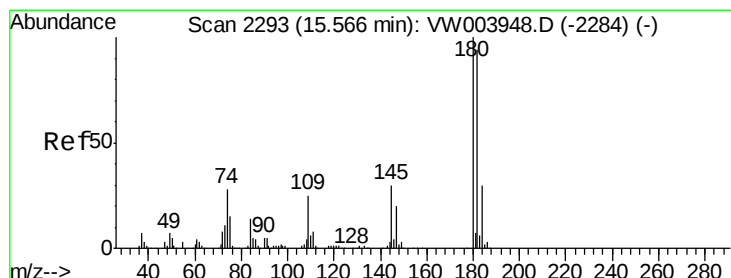
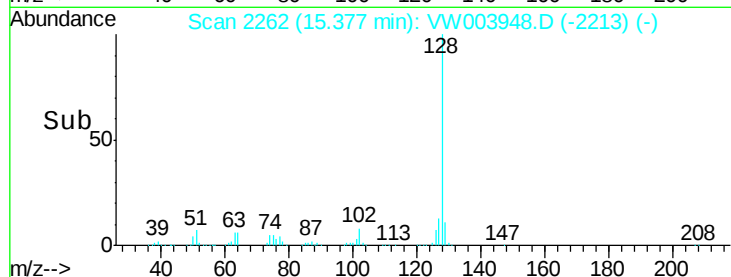
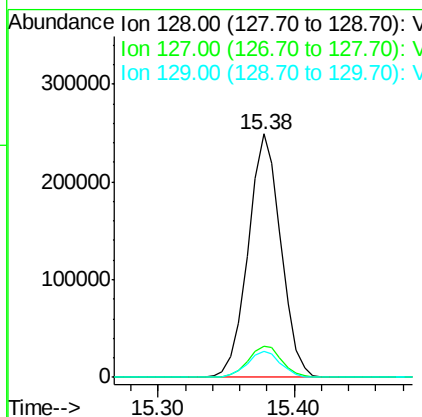
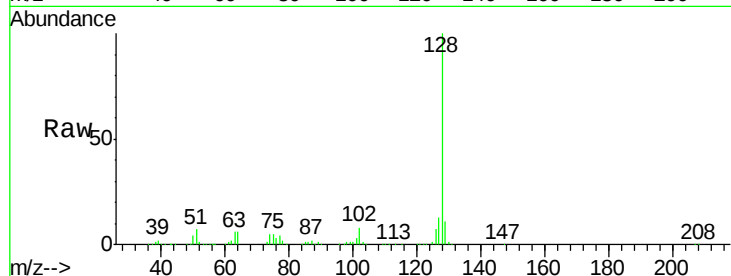
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	418462
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.7	16.1
129	10.9	8.7	13.1

Manual Integrations
APPROVED

apatel
7/17/2018 10:11:07 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.84 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW003948.D

Acq: 16 Jul 2018 13:15

Tgt Ion:	180	Resp:	193619
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.5	142.6
145	31.6	15.8	47.4

