

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071318\
 Data File : VW003920.D
 Acq On : 13 Jul 2018 16:30
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 7/16/2018 10:43:36 AM

Quant Time: Jul 14 00:11:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	223388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	340736	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	311667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	164365	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	134624	46.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.16%	
35) Dibromofluoromethane	7.88	113	122048	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
50) Toluene-d8	10.32	98	482333	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
62) 4-Bromofluorobenzene	12.62	95	172258	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	49023	45.12	ug/l	98
3) Chloromethane	2.21	50	88485	42.90	ug/l	94
4) Vinyl Chloride	2.36	62	125606	46.17	ug/l	100
5) Bromomethane	2.78	94	74609	38.85	ug/l	100
6) Chloroethane	2.92	64	76644	46.98	ug/l	98
7) Trichlorofluoromethane	3.25	101	64979	59.13	ug/l	95
8) Diethyl Ether	3.68	74	56148	49.85	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	116275	54.41	ug/l	98
10) Methyl Iodide	4.26	142	169146	53.17	ug/l	100
11) Tert butyl alcohol	5.24	59	36235	228.88	ug/l #	83
12) 1,1-Dichloroethene	4.03	96	114389	54.51	ug/l	93
13) Acrolein	3.90	56	53147	254.20	ug/l	100
14) Allyl chloride	4.66	41	204116	55.95	ug/l	98
15) Acrylonitrile	5.38	53	134591	238.64	ug/l	99
16) Acetone	4.15	43	147425	290.87	ug/l	100
17) Carbon Disulfide	4.37	76	341481	49.64	ug/l	99
18) Methyl Acetate	4.67	43	68731	48.10	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	222988	51.42	ug/l	100
20) Methylene Chloride	4.91	84	132455	53.97	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	126573	50.95	ug/l	98
22) Diisopropyl ether	6.31	45	418956	52.23	ug/l	98
23) Vinyl Acetate	6.26	43	1213664	247.87	ug/l	100
24) 1,1-Dichloroethane	6.21	63	241436	49.77	ug/l	99
25) 2-Butanone	7.18	43	191846	241.67	ug/l	100
26) 2,2-Dichloropropane	7.17	77	149652	56.88	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	138596	50.45	ug/l	99
28) Bromochloromethane	7.51	49	99875	46.22	ug/l	99
29) Tetrahydrofuran	7.54	42	116622	228.53	ug/l	99
30) Chloroform	7.68	83	243689	49.24	ug/l	99
31) Cyclohexane	7.95	56	217047	50.92	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	196452	52.16	ug/l	100
36) 1,1-Dichloropropene	8.08	75	195633	54.11	ug/l	100
37) Ethyl Acetate	7.26	43	82157	46.70	ug/l	100
38) Carbon Tetrachloride	8.07	117	187223	54.47	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071318\
 Data File : VW003920.D
 Acq On : 13 Jul 2018 16:30
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 7/16/2018 10:43:36 AM

Quant Time: Jul 14 00:11:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	229525	57.97	ug/l	99
40) Benzene	8.32	78	541693	52.41	ug/l	100
41) Methacrylonitrile	7.49	41	52365	51.75	ug/l	94
42) 1,2-Dichloroethane	8.40	62	161325	48.23	ug/l	100
43) Isopropyl Acetate	8.43	43	158589	47.57	ug/l	98
44) Trichloroethene	9.09	130	136923	52.55	ug/l	99
45) 1,2-Dichloropropane	9.37	63	139467	51.90	ug/l	99
46) Dibromomethane	9.46	93	68564	48.52	ug/l	98
47) Bromodichloromethane	9.65	83	177647	51.10	ug/l	98
48) Methyl methacrylate	9.44	41	78416	49.39	ug/l	99
49) 1,4-Dioxane	9.49	88	20793	984.53	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	422127	244.67	ug/l	100
52) Toluene	10.39	92	342928	53.51	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	182193	52.49	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	210869	53.82	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	96482	49.16	ug/l	97
56) Ethyl methacrylate	10.65	69	123168	51.43	ug/l	97
57) 1,3-Dichloropropane	10.93	76	169918	49.67	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	322398	255.37	ug/l	100
59) 2-Hexanone	10.98	43	299441	252.75	ug/l	100
60) Dibromochloromethane	11.13	129	115561	50.44	ug/l	99
61) 1,2-Dibromoethane	11.24	107	90533	48.24	ug/l	99
64) Tetrachloroethene	10.87	164	116604	50.58	ug/l	97
65) Chlorobenzene	11.66	112	361895	52.67	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	128085	53.35	ug/l	98
67) Ethyl Benzene	11.74	91	659098	56.10	ug/l	100
68) m/p-Xylenes	11.85	106	494990	110.03	ug/l	99
69) o-Xylene	12.17	106	230003	55.41	ug/l	98
70) Styrene	12.19	104	396353	56.15	ug/l	100
71) Bromoform	12.35	173	67835	51.20	ug/l #	98
73) Isopropylbenzene	12.47	105	660621	59.35	ug/l	99
74) N-amyl acetate	12.28	43	153833	50.99	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	114375	50.69	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	93705m	58.06	ug/l	
77) Bromobenzene	12.76	156	148736	53.82	ug/l	98
78) n-propylbenzene	12.81	91	827500	59.22	ug/l	100
79) 2-Chlorotoluene	12.90	91	459732	57.27	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	559841	58.35	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	35846	54.33	ug/l	97
82) 4-Chlorotoluene	12.99	91	480960	55.72	ug/l	99
83) tert-Butylbenzene	13.21	119	477119	60.30	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	572038	57.40	ug/l	99
85) sec-Butylbenzene	13.39	105	709648	59.96	ug/l	100
86) p-Isopropyltoluene	13.51	119	615200	59.48	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	300551	53.68	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	298666	53.05	ug/l	100
89) n-Butylbenzene	13.83	91	610096	59.97	ug/l	99
90) Hexachloroethane	14.10	117	109807	55.12	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	266466	52.88	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18370	47.03	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071318\
Data File : VW003920.D
Acq On : 13 Jul 2018 16:30
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

apatel
7/16/2018 10:43:36 AM

Quant Time: Jul 14 00:11:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 07 05:07:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	186801	54.76	ug/l	98
94) Hexachlorobutadiene	15.25	225	111559	57.18	ug/l	99
95) Naphthalene	15.38	128	333653	54.73	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	168294	55.10	ug/l	100

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

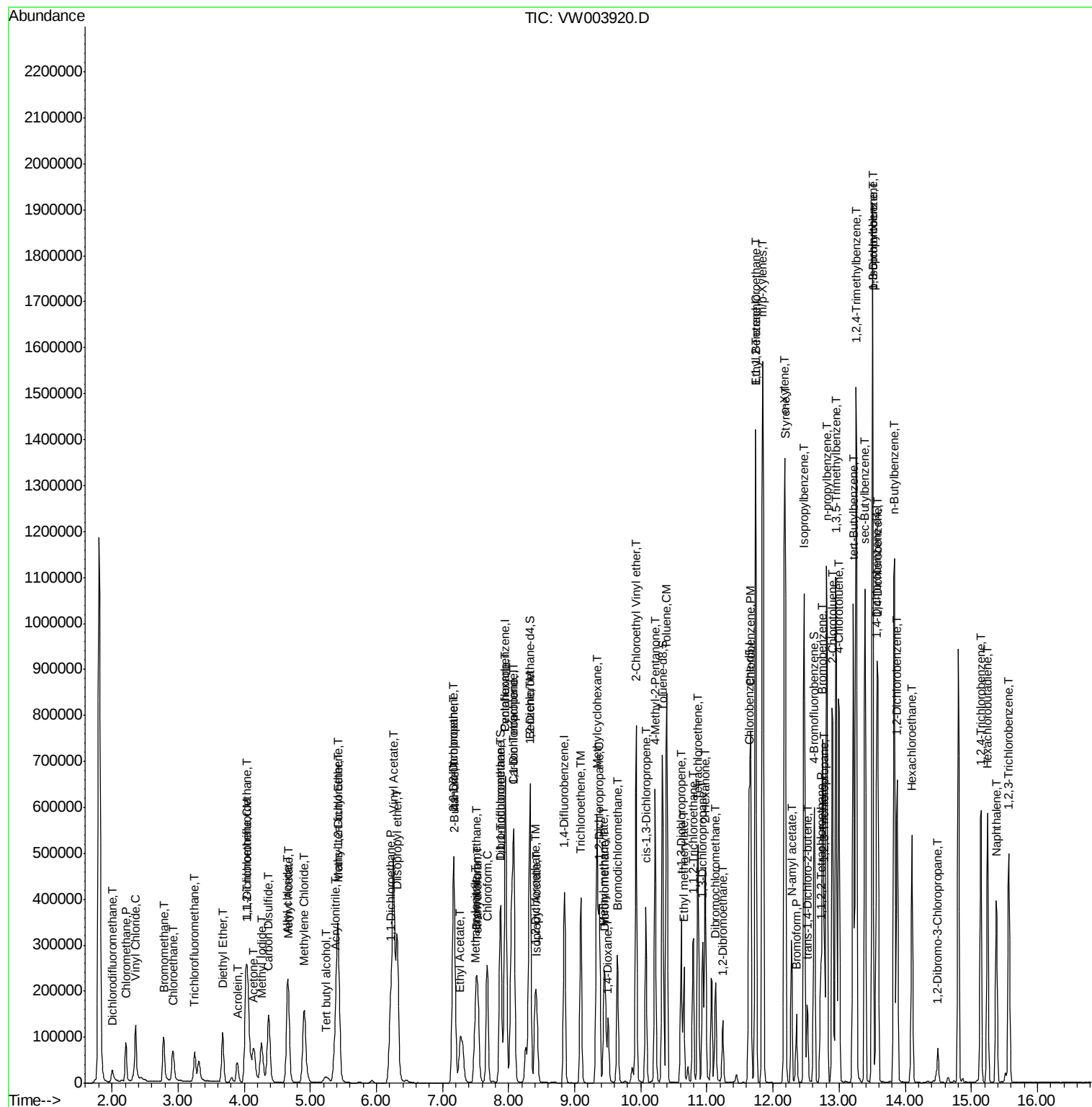
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071318\
Data File : VW003920.D
Acq On : 13 Jul 2018 16:30
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

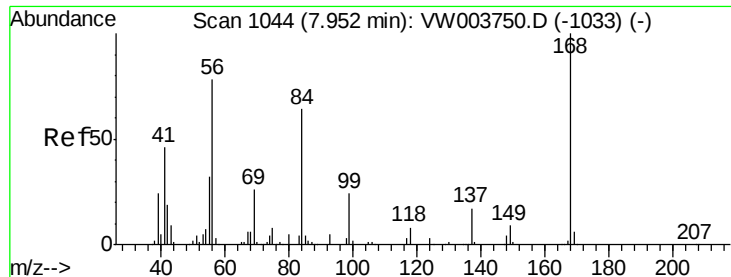
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

apatel
7/16/2018 10:43:36 AM

Quant Time: Jul 14 00:11:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 07 05:07:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 223388

Ion Ratio Lower Upper

168 100

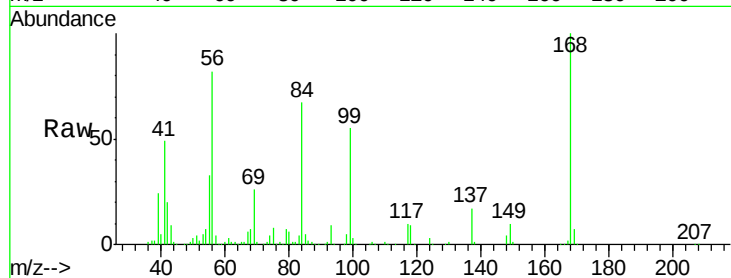
99 55.5 45.0 67.6

Manual Integrations

APPROVED

apatel

7/16/2018 10:43:36 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

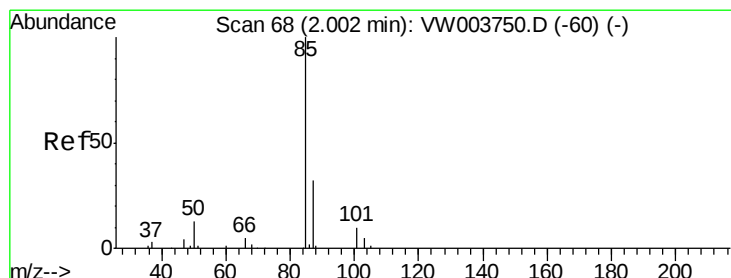
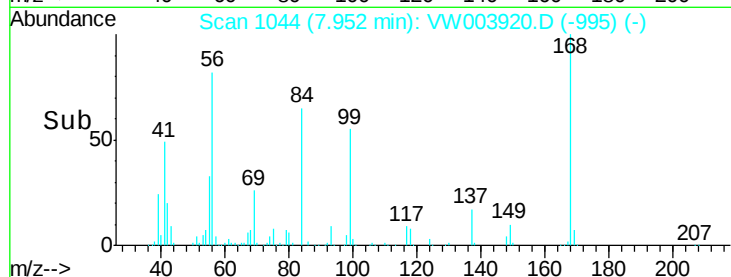
40000

20000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.12 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW003920.D

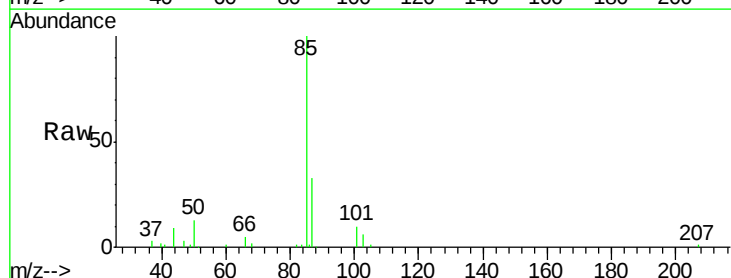
Acq: 13 Jul 2018 16:30

Tgt Ion: 85 Resp: 49023

Ion Ratio Lower Upper

85 100

87 33.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

15000

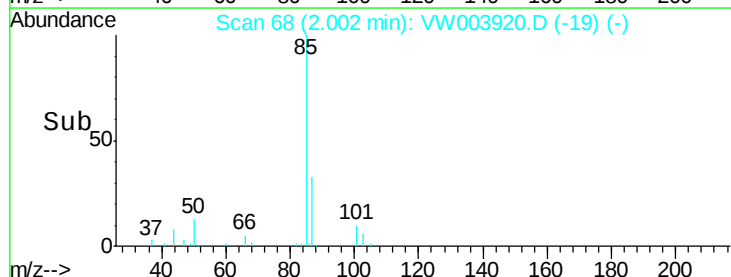
10000

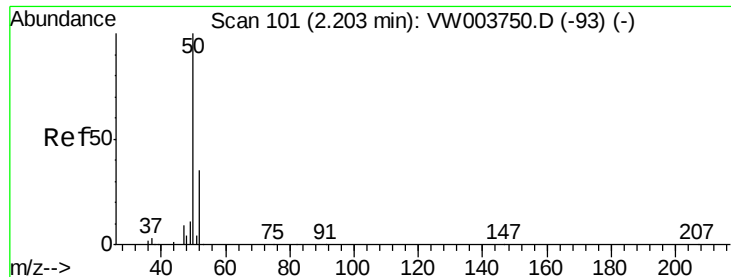
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 42.90 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.01 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 88485

Ion Ratio Lower Upper

50 100

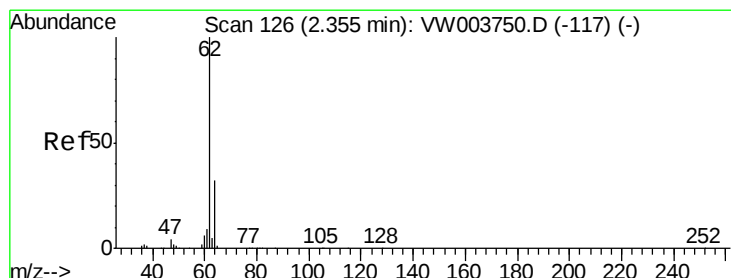
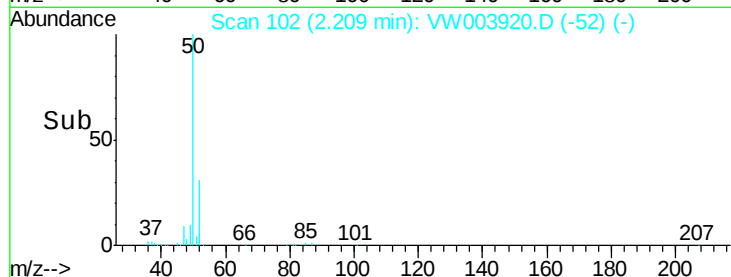
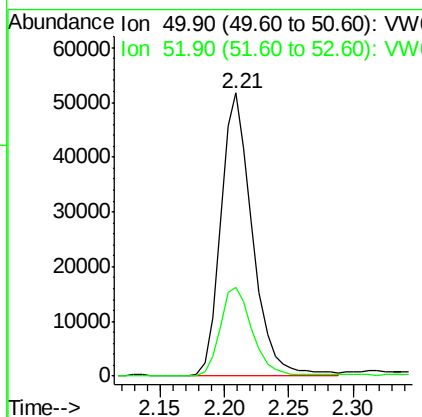
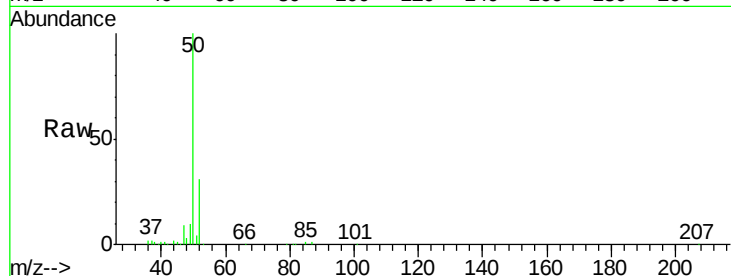
52 31.4 27.8 41.6

Manual Integrations

APPROVED

apatel

7/16/2018 10:43:36 AM



#4

Vinyl Chloride

Concen: 46.17 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW003920.D

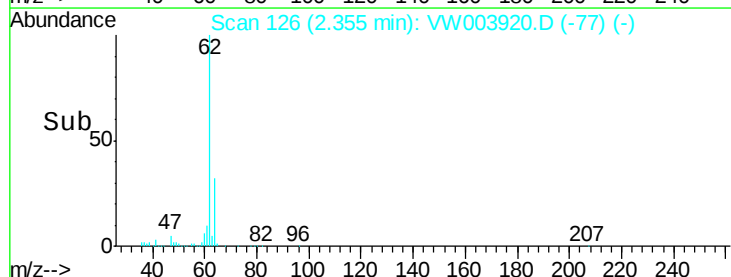
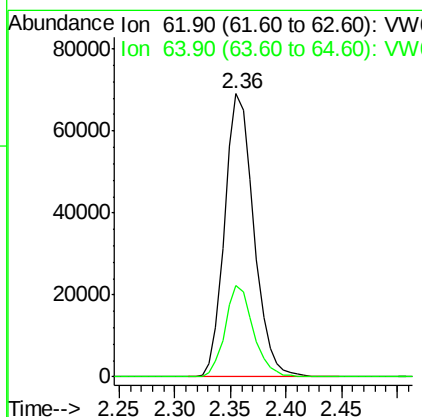
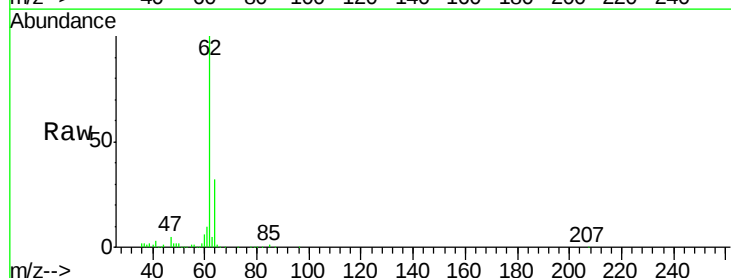
Acq: 13 Jul 2018 16:30

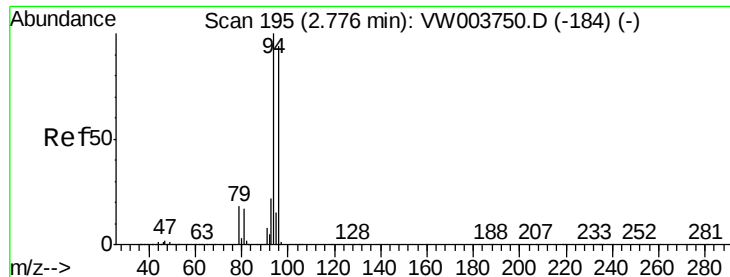
Tgt Ion: 62 Resp: 125606

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.8





#5

Bromomethane

Concen: 38.85 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 74609

Ion Ratio Lower Upper

94 100

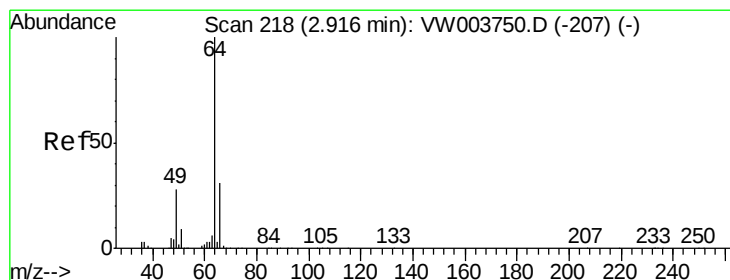
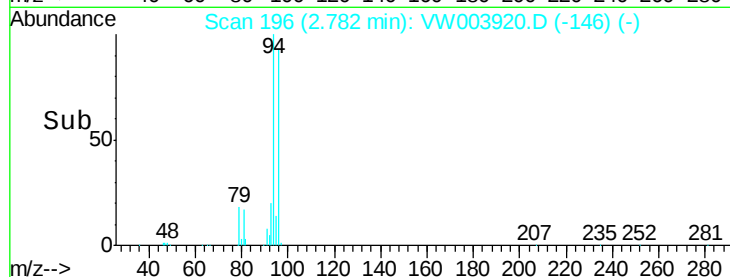
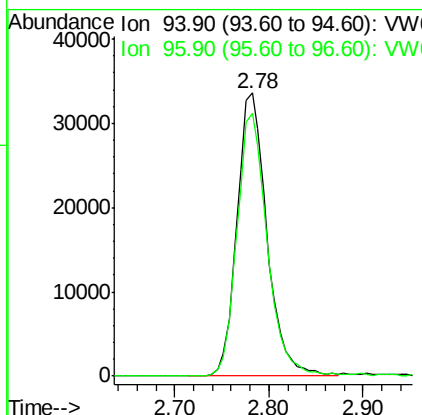
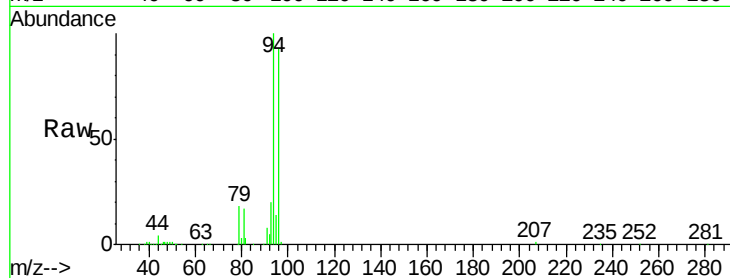
96 93.0 74.8 112.2

Manual Integrations

APPROVED

apatel

7/16/2018 10:43:36 AM



#6

Chloroethane

Concen: 46.98 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.01 min

Lab File: VW003920.D

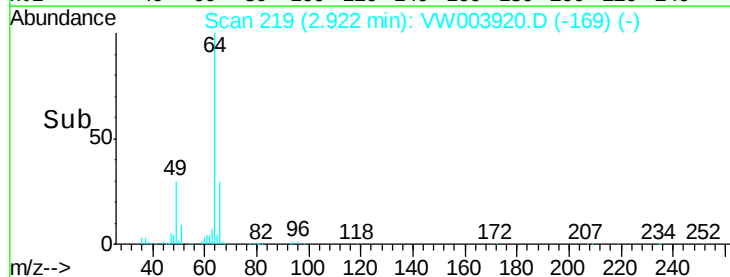
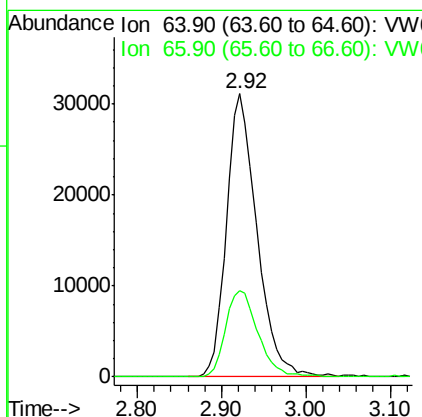
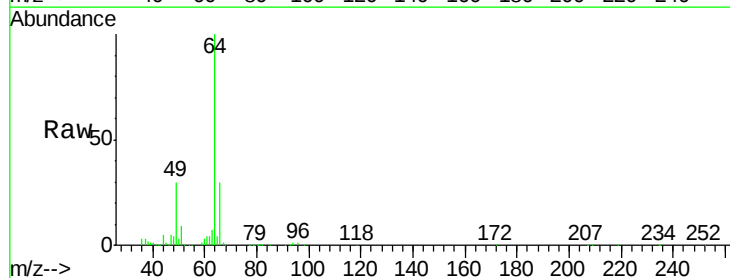
Acq: 13 Jul 2018 16:30

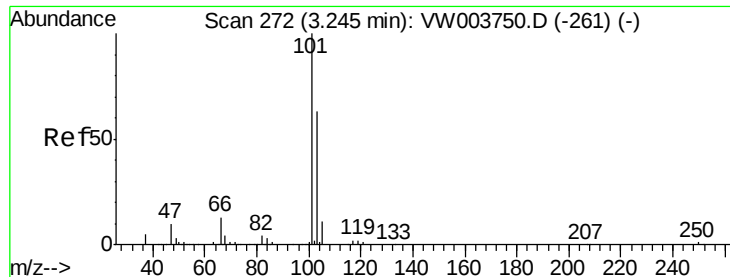
Tgt Ion: 64 Resp: 76644

Ion Ratio Lower Upper

64 100

66 30.5 25.1 37.7





#7

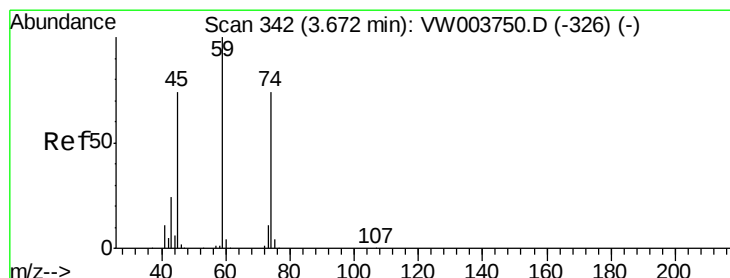
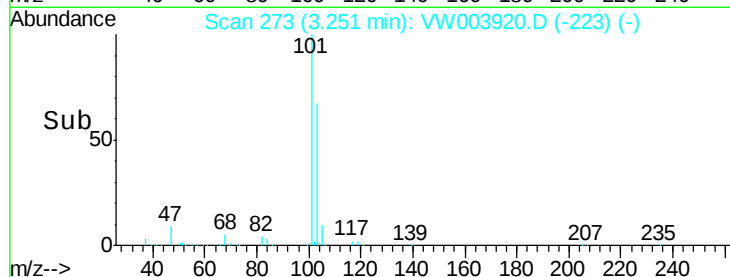
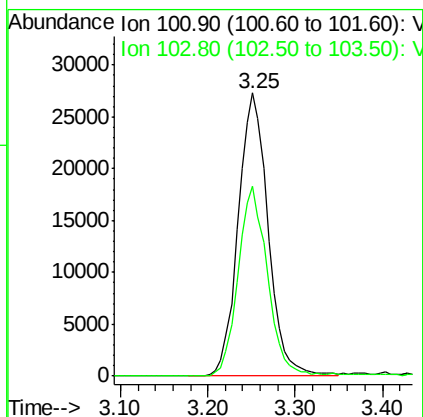
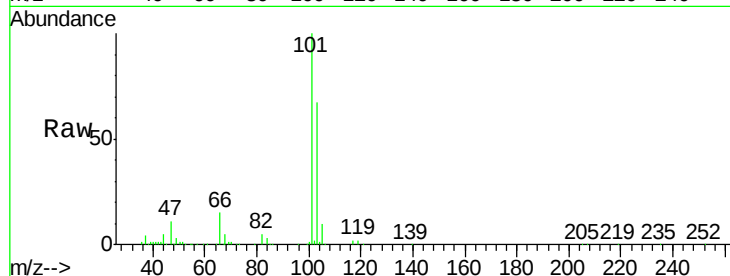
Trichlorofluoromethane
 Concen: 59.13 ug/l
 RT: 3.25 min Scan# 273
 Delta R.T. 0.01 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 64979
 Ion Ratio Lower Upper
 101 100
 103 67.2 50.7 76.1

Manual Integrations
 APPROVED

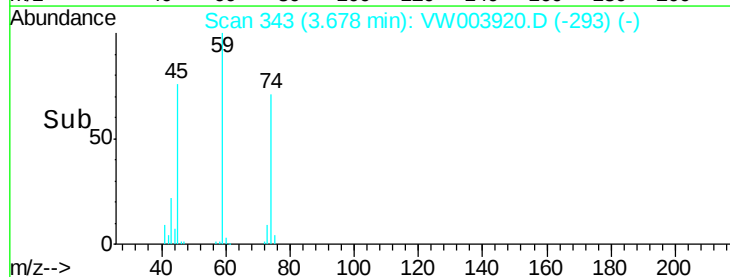
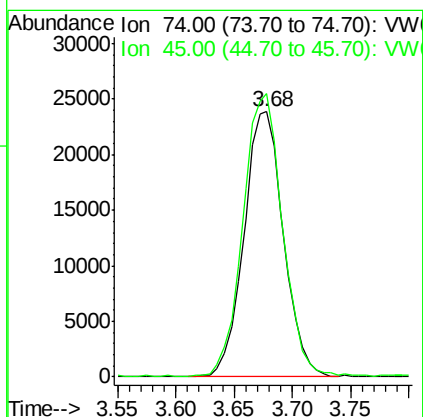
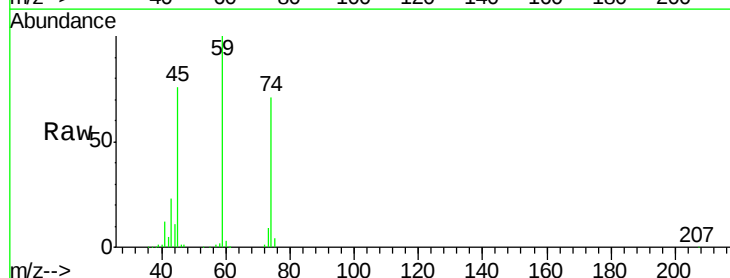
apatel
 7/16/2018 10:43:36 AM

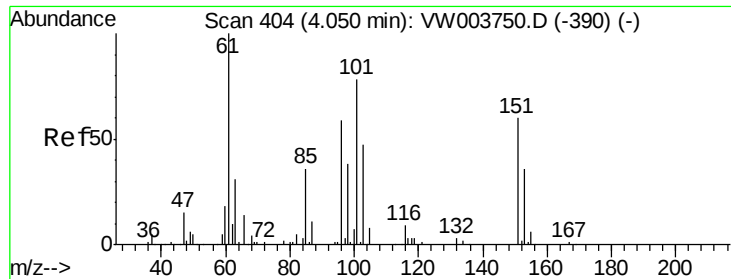


#8

Diethyl Ether
 Concen: 49.85 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

Tgt Ion: 74 Resp: 56148
 Ion Ratio Lower Upper
 74 100
 45 106.6 52.4 157.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.41 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

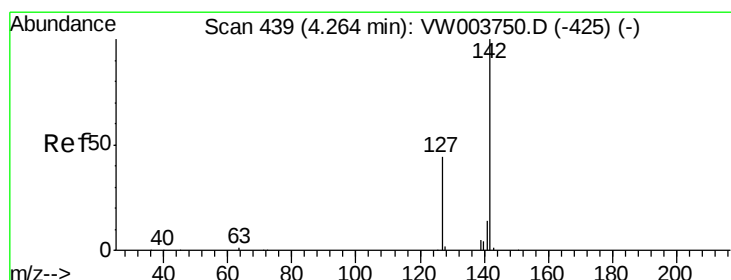
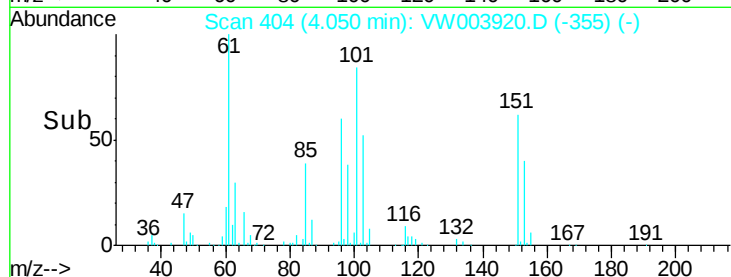
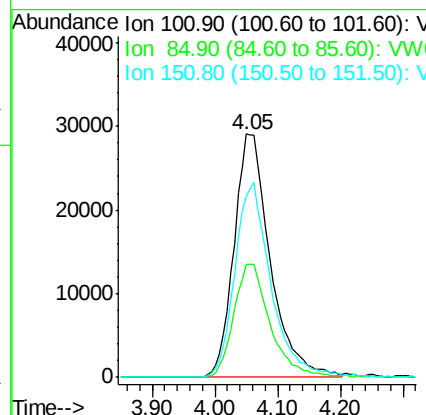
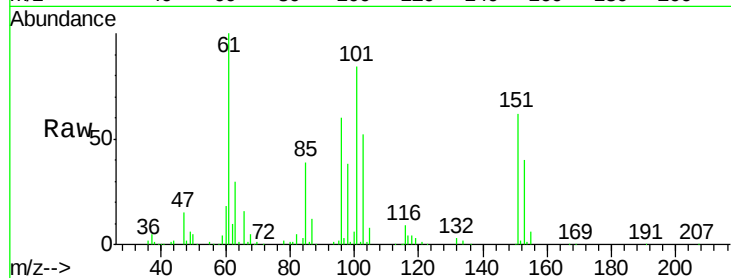
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	116275
Ion Ratio	Lower	Upper	
101	100		
85	46.9	37.1	55.7
151	80.0	62.3	93.5

Manual Integrations
APPROVED

apatel
7/16/2018 10:43:36 AM



#10

Methyl Iodide

Concen: 53.17 ug/l

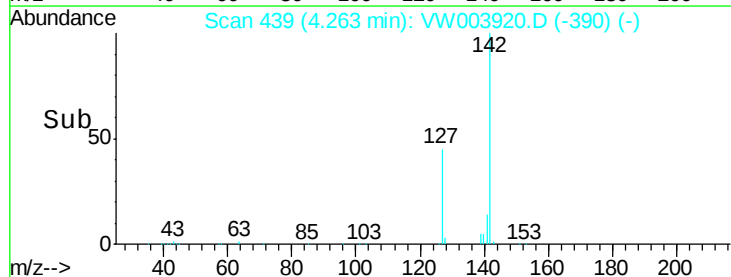
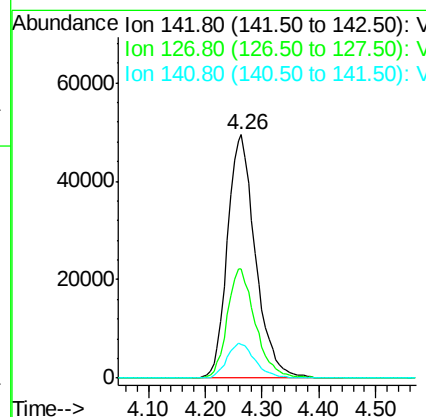
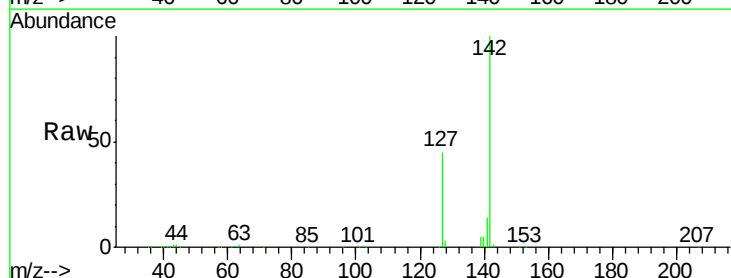
RT: 4.26 min Scan# 439

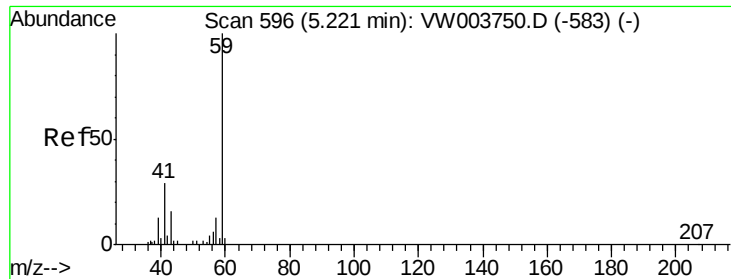
Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Tgt Ion:	142	Resp:	169146
Ion Ratio	Lower	Upper	
142	100		
127	45.1	36.1	54.1
141	14.4	11.6	17.4





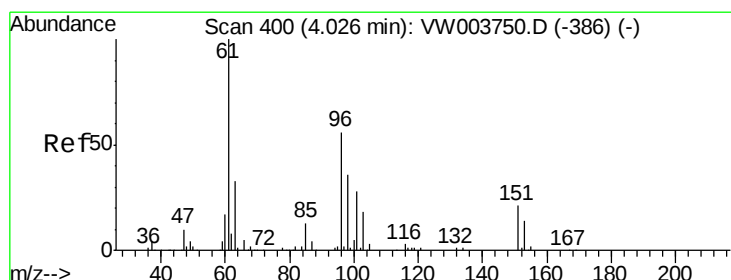
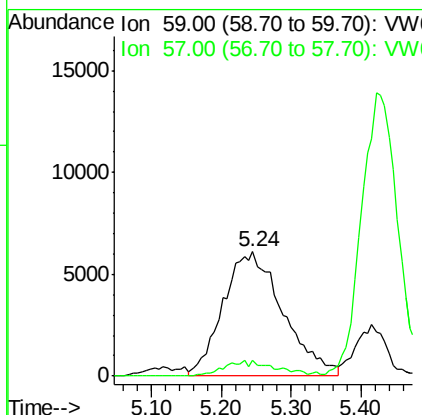
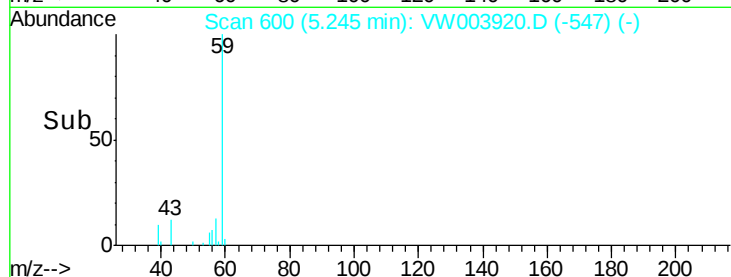
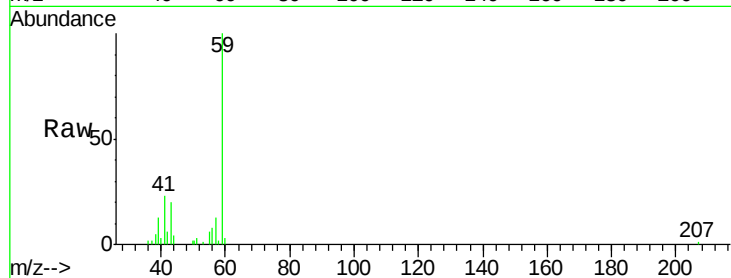
#11
Tert butyl alcohol
Concen: 228.88 ug/l
RT: 5.24 min Scan# 600
Delta R.T. 0.02 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.0	9.3	13.9#

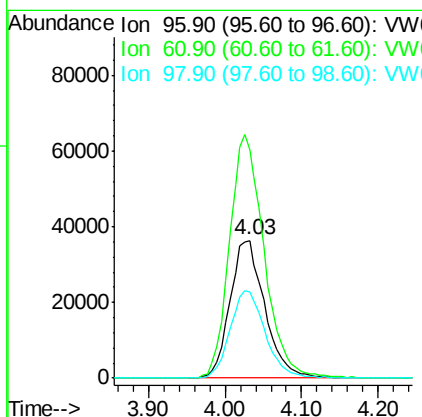
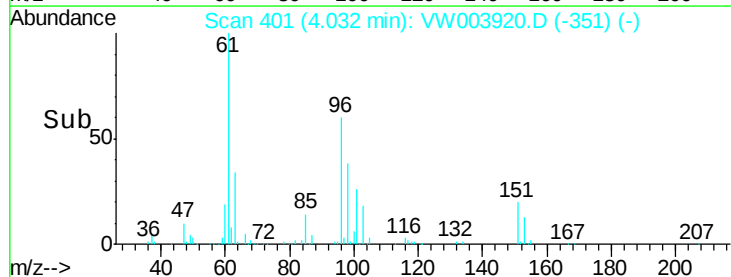
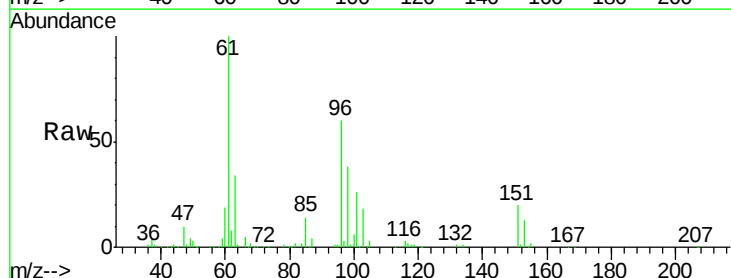
Manual Integrations
APPROVED

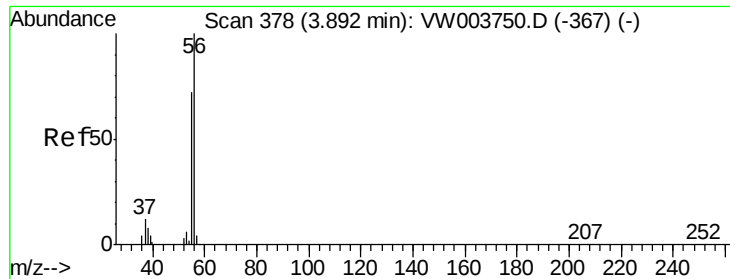
apatel
7/16/2018 10:43:36 AM



#12
1,1-Dichloroethene
Concen: 54.51 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.01 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.6	143.2	214.8
98	62.7	51.4	77.0





#13

Acrolein

Concen: 254.20 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 53147

Ion Ratio Lower Upper

56 100

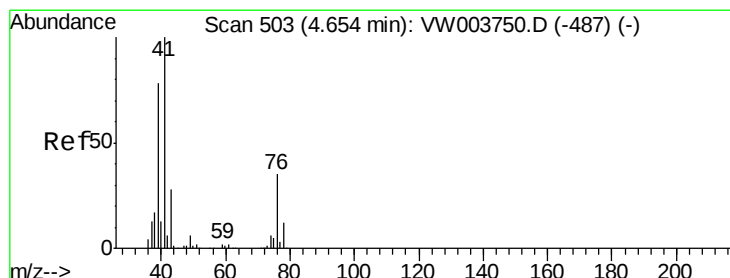
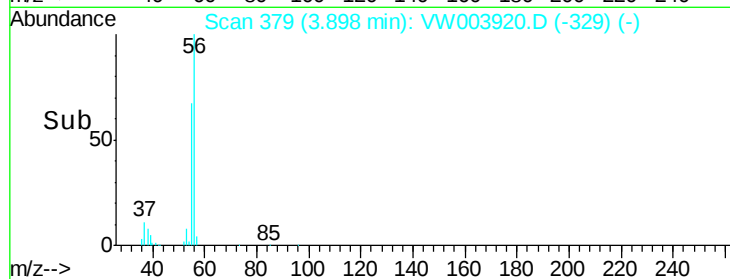
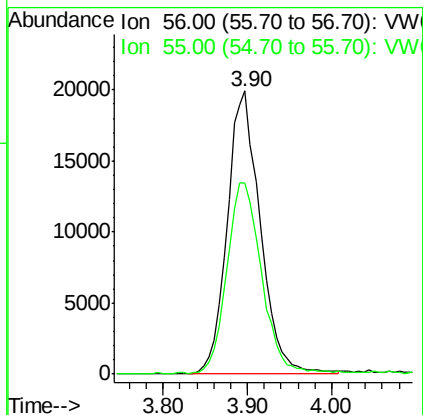
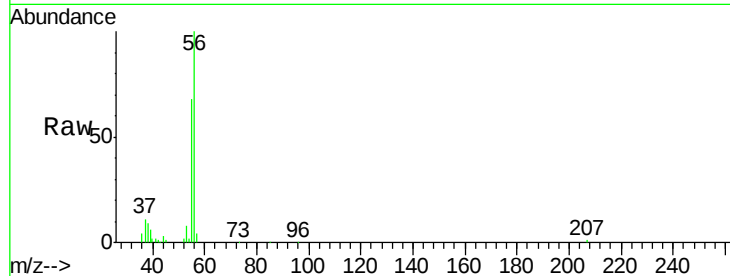
55 71.6 57.5 86.3

Manual Integrations

APPROVED

apatel

7/16/2018 10:43:36 AM



#14

Allyl chloride

Concen: 55.95 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.01 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

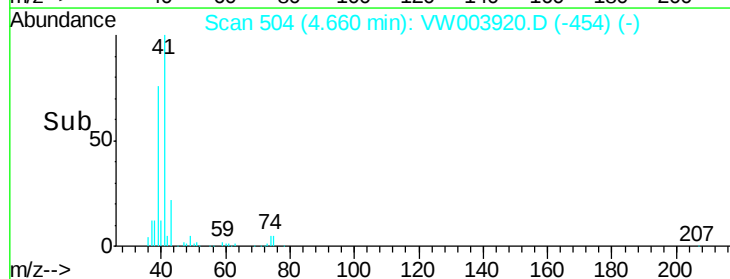
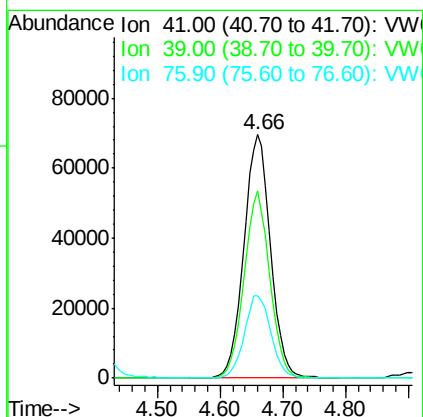
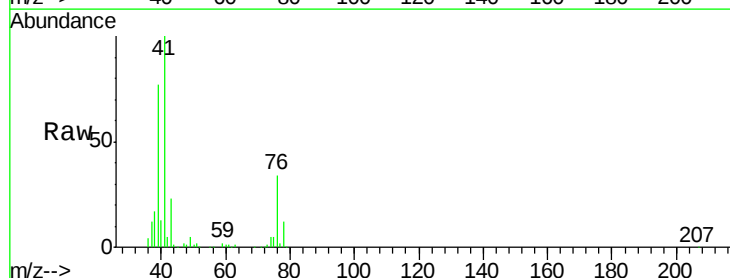
Tgt Ion: 41 Resp: 204116

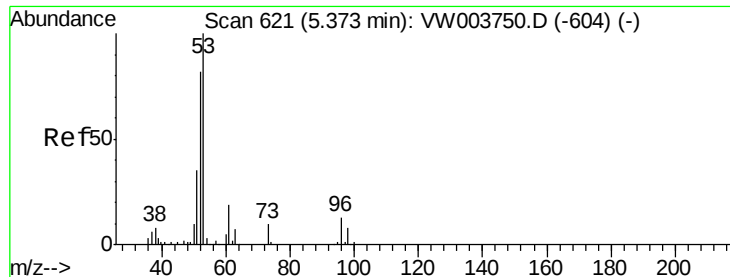
Ion Ratio Lower Upper

41 100

39 74.1 60.9 91.3

76 33.8 27.5 41.3





#15

Acrylonitrile

Concen: 238.64 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.01 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

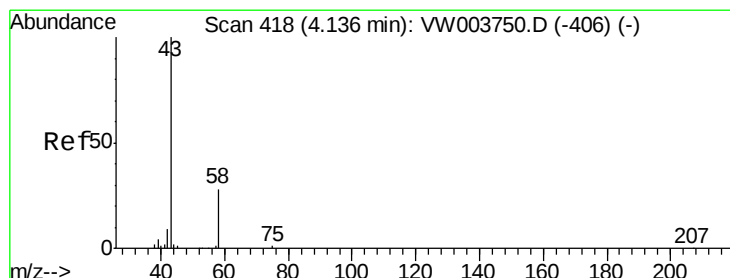
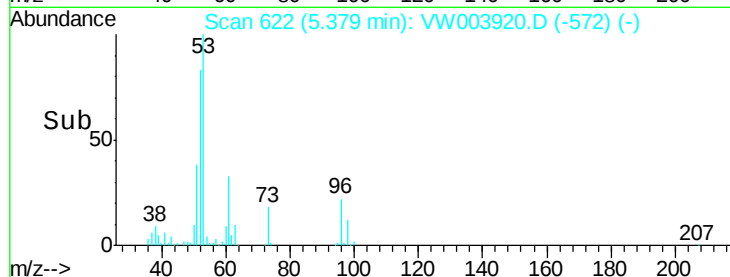
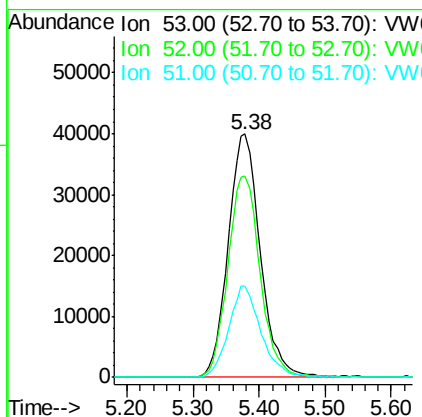
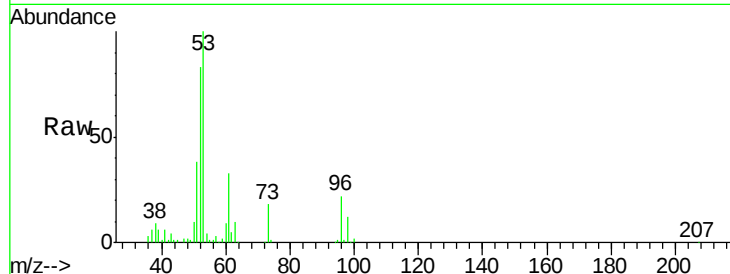
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	134591
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.2	99.2
51	37.7	30.2	45.4

Manual Integrations
APPROVED

apatel
7/16/2018 10:43:36 AM



#16

Acetone

Concen: 290.87 ug/l

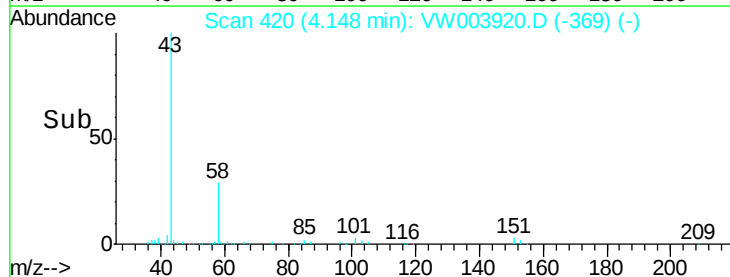
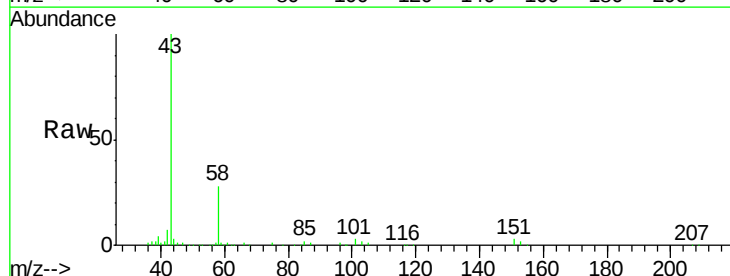
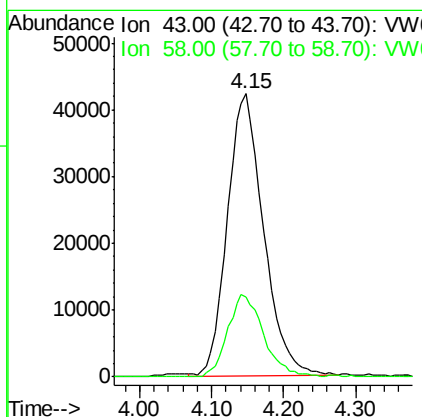
RT: 4.15 min Scan# 420

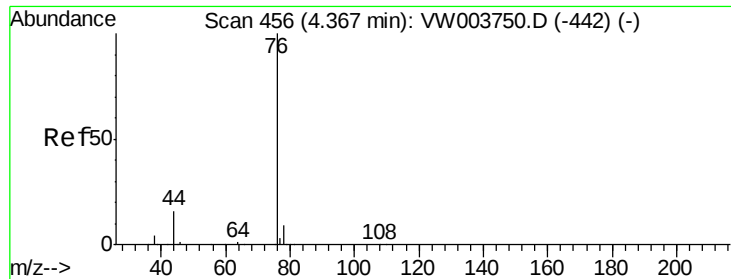
Delta R.T. 0.01 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Tgt Ion:	43	Resp:	147425
Ion Ratio	Lower	Upper	
43	100		
58	28.3	22.6	34.0





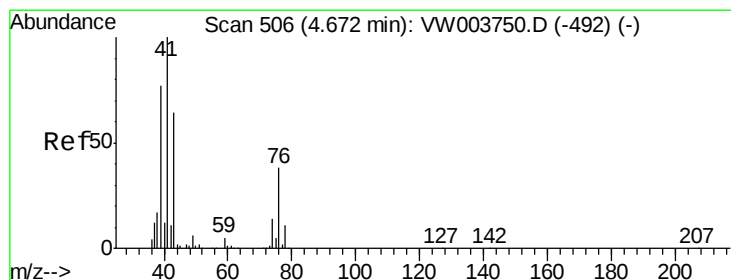
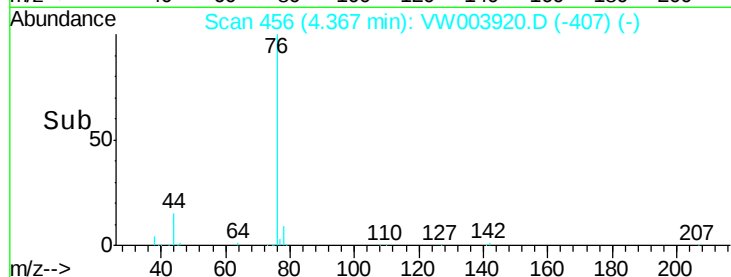
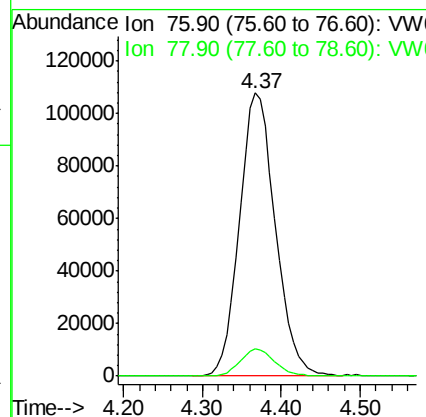
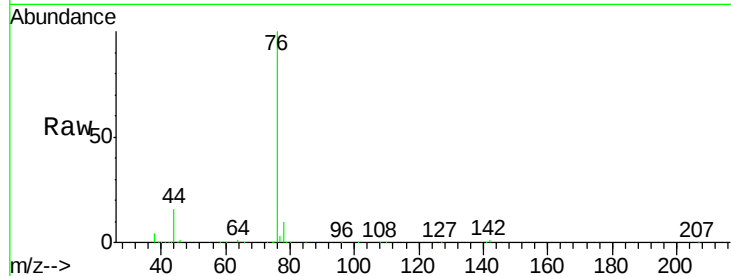
#17
Carbon Disulfide
Concen: 49.64 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.4	11.2

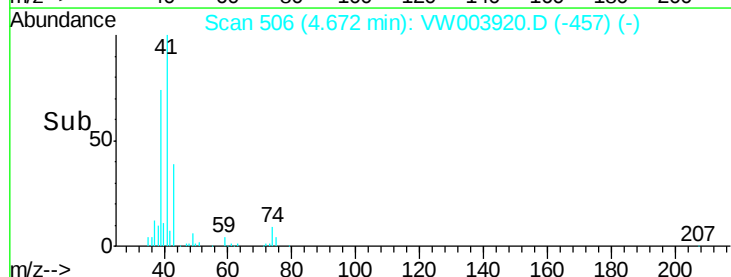
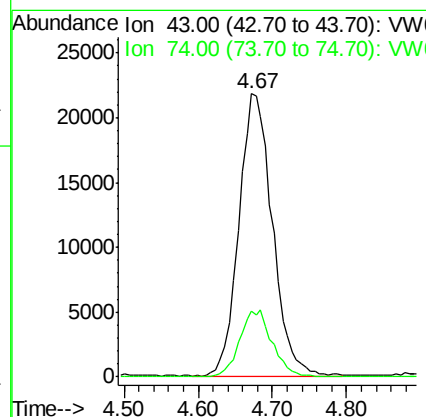
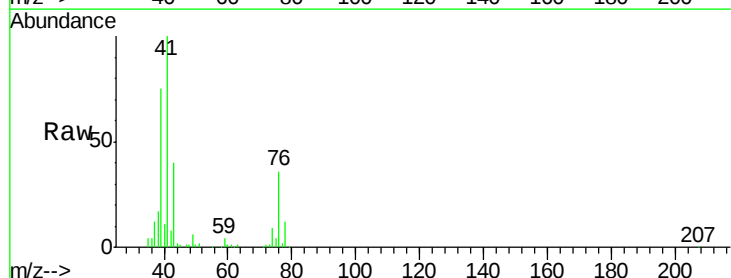
Manual Integrations
APPROVED

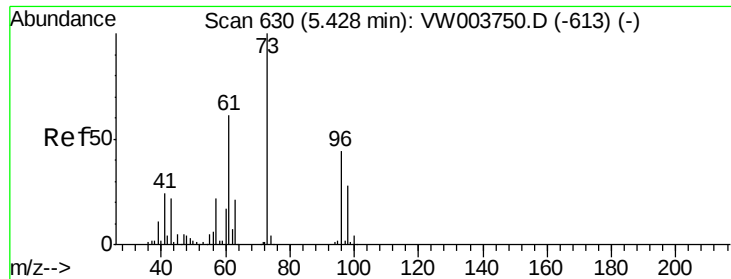
apatel
7/16/2018 10:43:36 AM



#18
Methyl Acetate
Concen: 48.10 ug/l
RT: 4.67 min Scan# 506
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	17.3	25.9





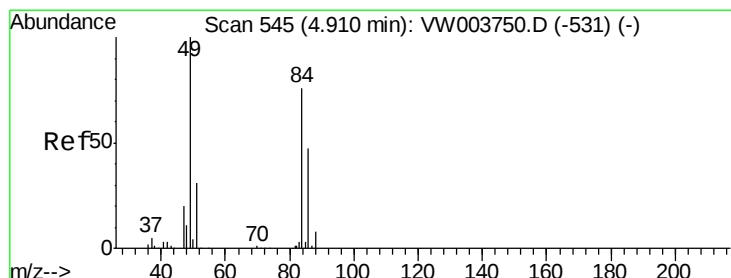
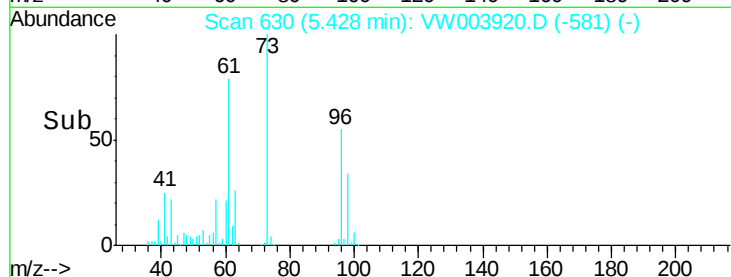
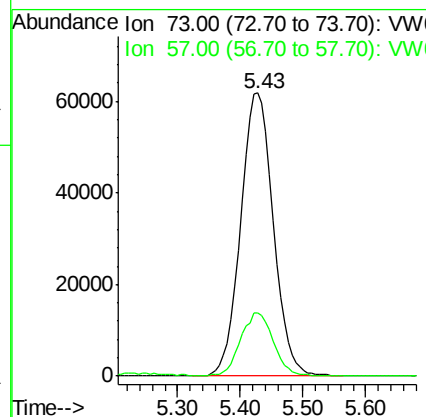
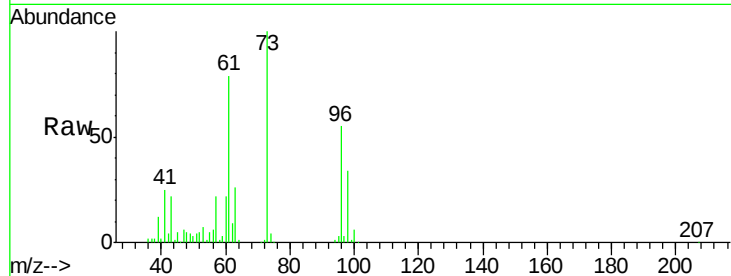
#19
Methvl tert-butvl Ether
Concen: 51.42 ug/l
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 222988
Ion Ratio Lower Upper
73 100
57 22.3 17.9 26.9

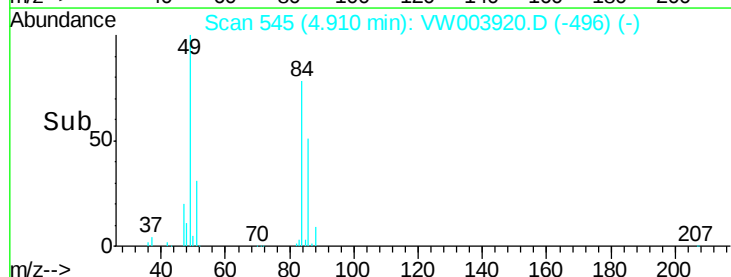
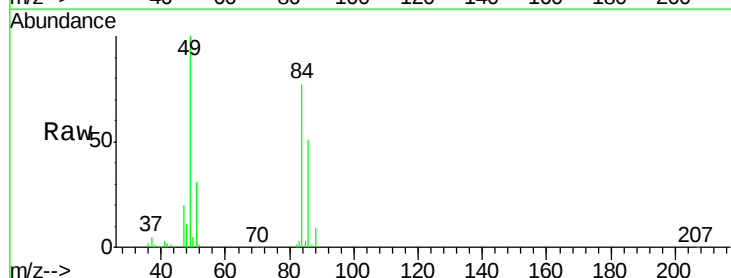
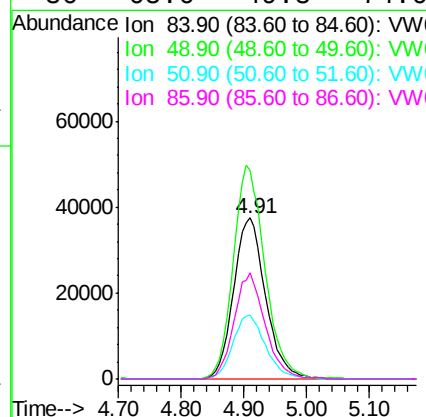
Manual Integrations
APPROVED

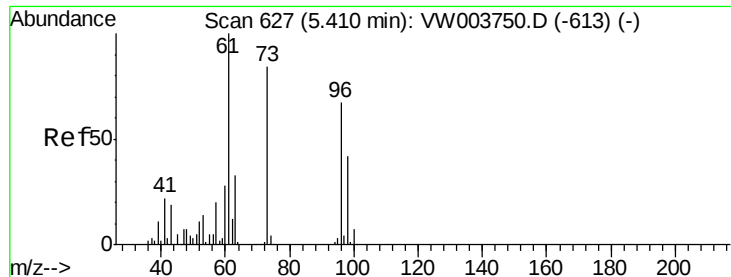
apatel
7/16/2018 10:43:36 AM



#20
Methylene Chloride
Concen: 53.97 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion: 84 Resp: 132455
Ion Ratio Lower Upper
84 100
49 129.4 105.1 157.7
51 40.1 32.5 48.7
86 65.6 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 50.95 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.01 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

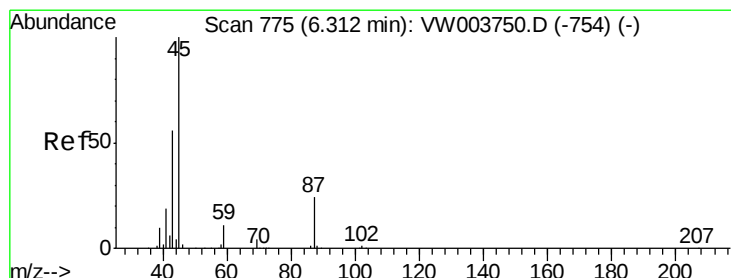
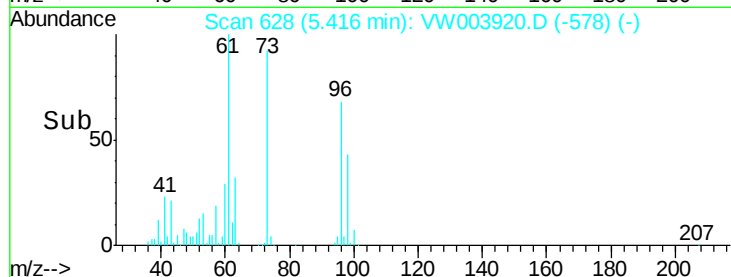
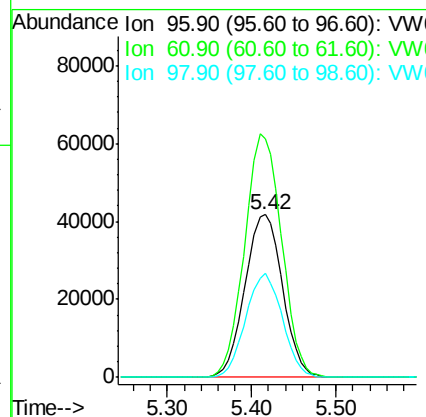
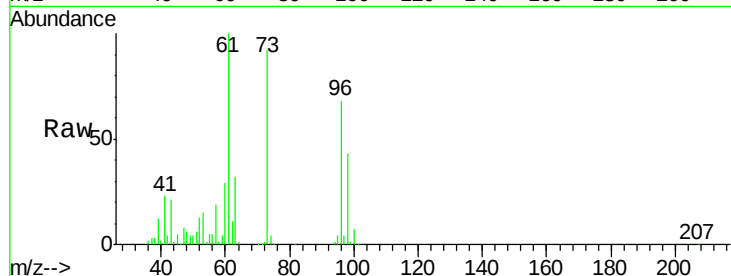
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	126573
Ion	Ratio	Lower	Upper
96	100		
61	146.8	119.0	178.6
98	63.7	49.8	74.8

Manual Integrations
APPROVED

apatel
7/16/2018 10:43:36 AM



#22

Diisopropyl ether

Concen: 52.23 ug/l

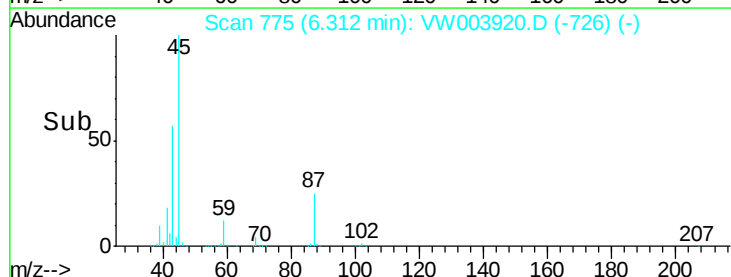
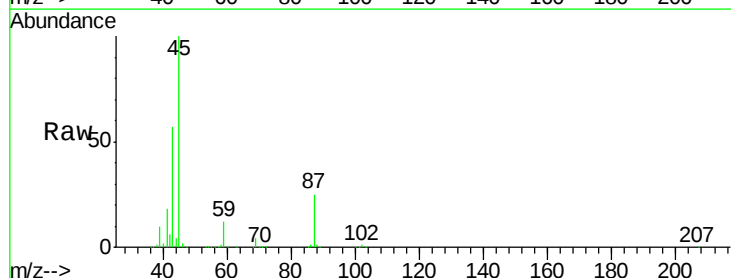
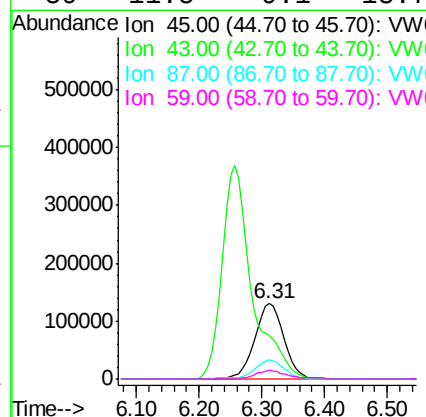
RT: 6.31 min Scan# 775

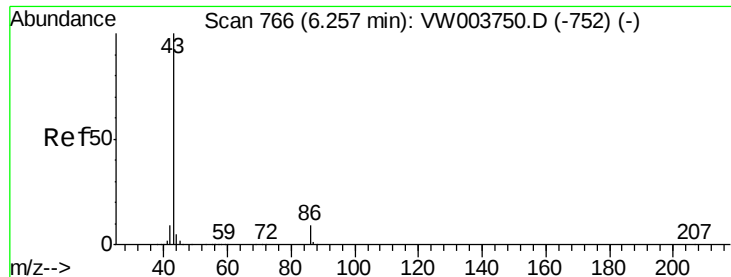
Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Tgt Ion:	45	Resp:	418956
Ion	Ratio	Lower	Upper
45	100		
43	57.0	44.5	66.7
87	25.0	19.6	29.4
59	11.5	9.1	13.7





#23

Vinyl Acetate

Concen: 247.87 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Tot Ion: 43 Resp: 1213664

Ion Ratio Lower Upper

43 100

86 9.2 7.3 10.9

Instrument :

MSVOA_W

ClientSampleId :

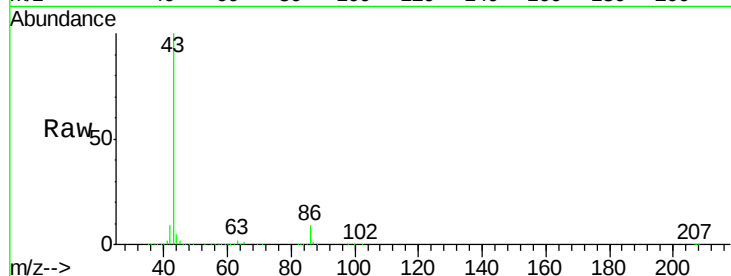
VSTDCCC050

Manual Integrations

APPROVED

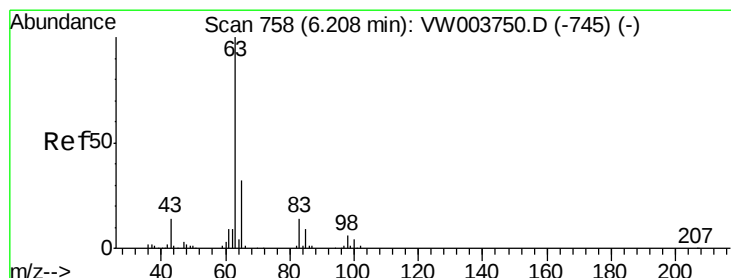
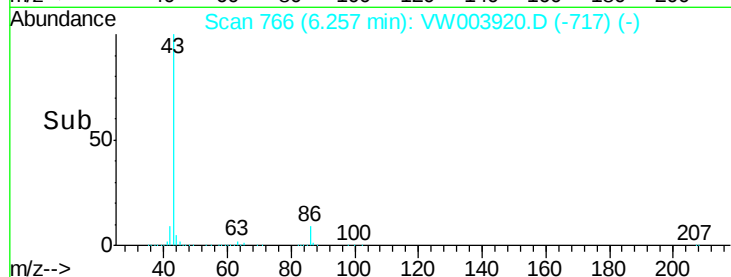
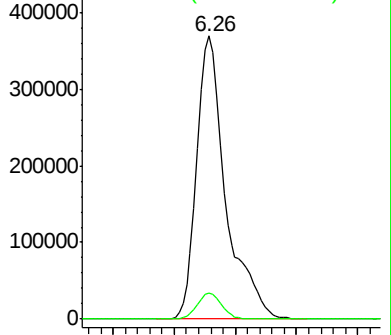
apatel

7/16/2018 10:43:36 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 49.77 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.01 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

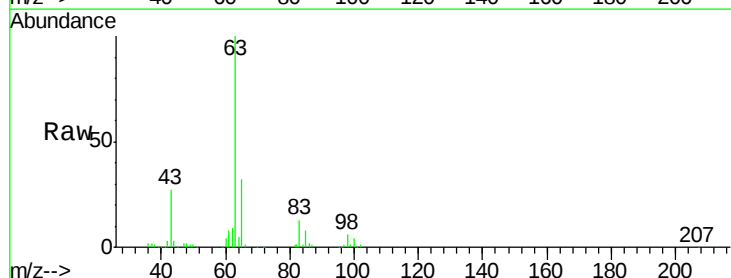
Tgt Ion: 63 Resp: 241436

Ion Ratio Lower Upper

63 100

98 5.8 3.2 9.6

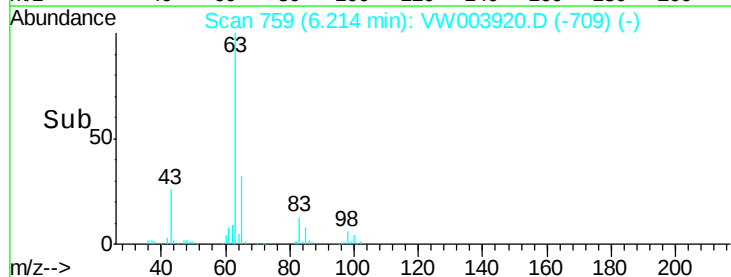
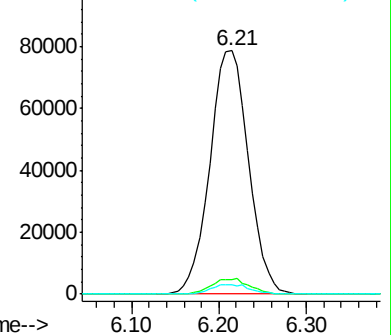
100 4.1 2.1 6.2

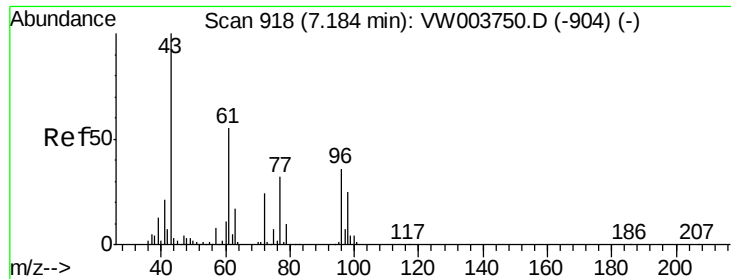


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 241.67 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 191846

Ion Ratio Lower Upper

43 100

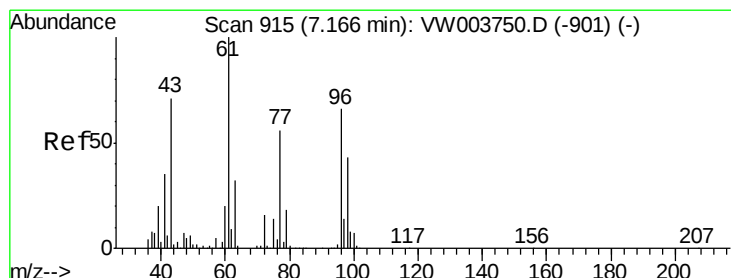
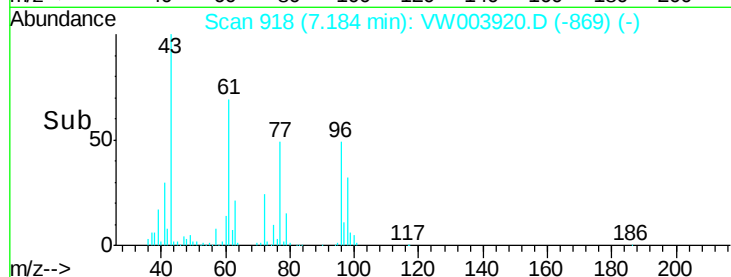
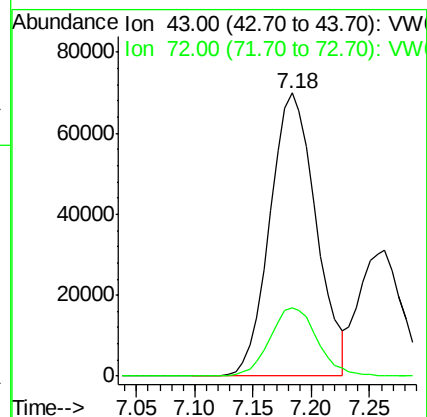
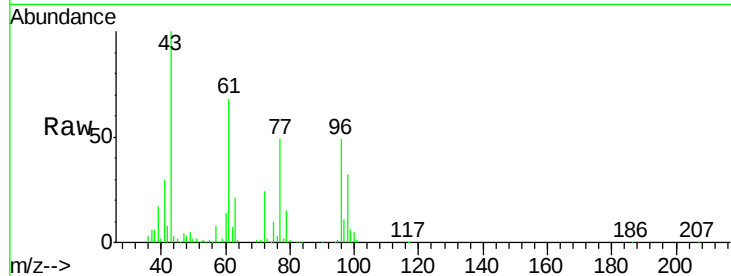
72 24.2 19.4 29.2

Manual Integrations

APPROVED

apatel

7/16/2018 10:43:36 AM



#26

2,2-Dichloropropane

Concen: 56.88 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW003920.D

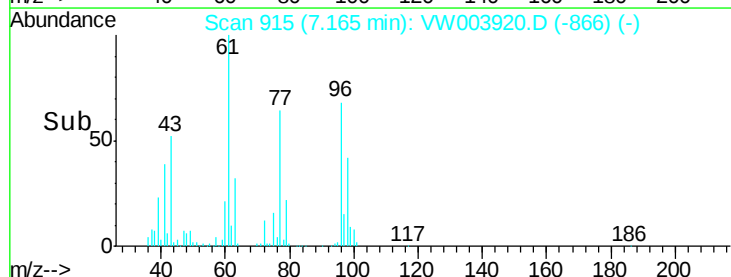
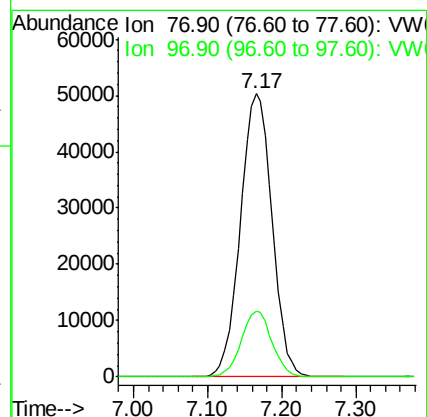
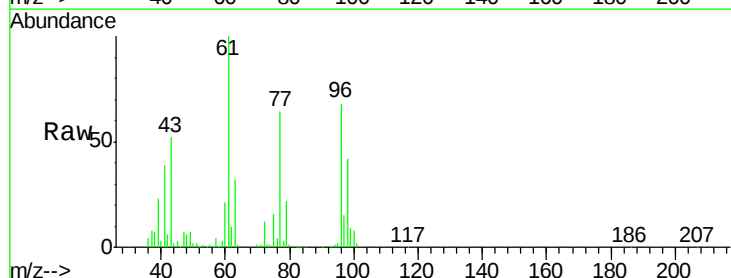
Acq: 13 Jul 2018 16:30

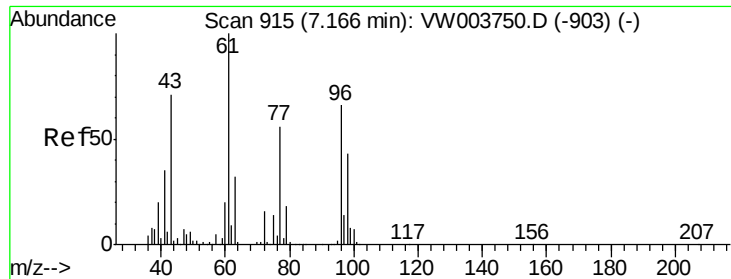
Tgt Ion: 77 Resp: 149652

Ion Ratio Lower Upper

77 100

97 22.6 11.5 34.5





#27

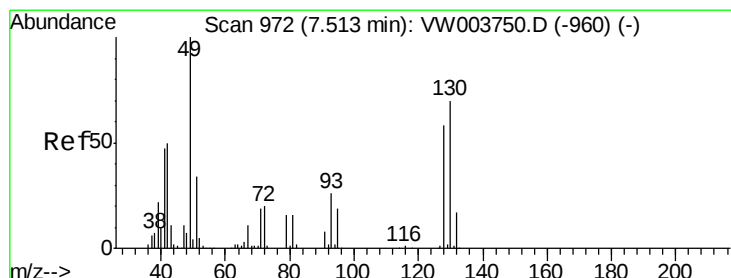
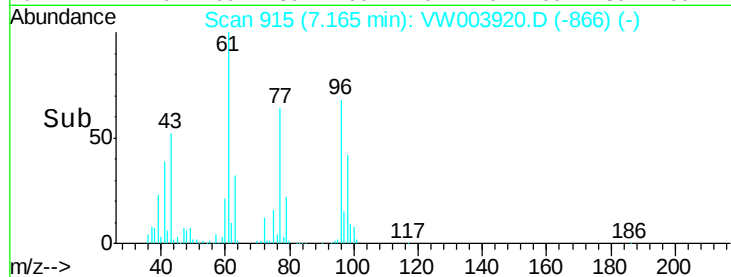
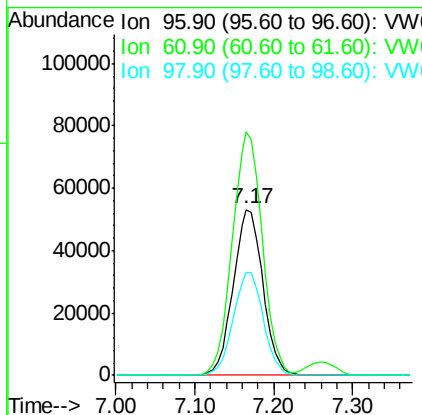
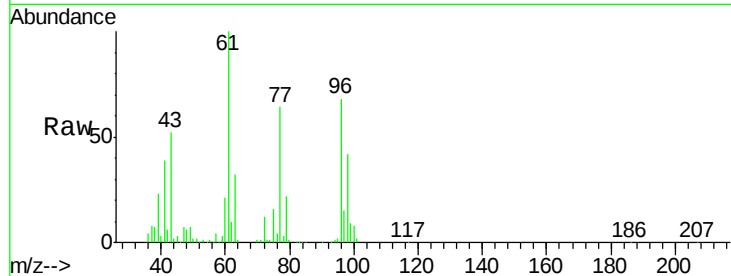
cis-1,2-Dichloroethene
 Concen: 50.45 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. -0.00 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	148.7	0.0	300.8	
98	63.1	0.0	128.6	

Manual Integrations
 APPROVED

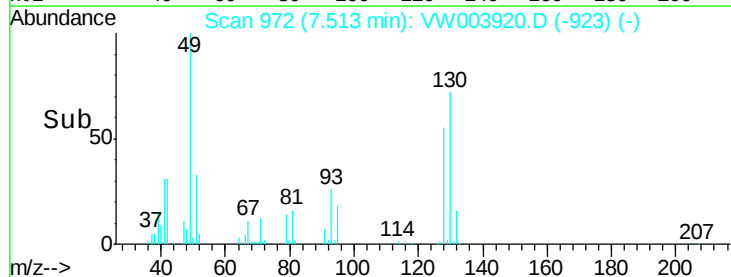
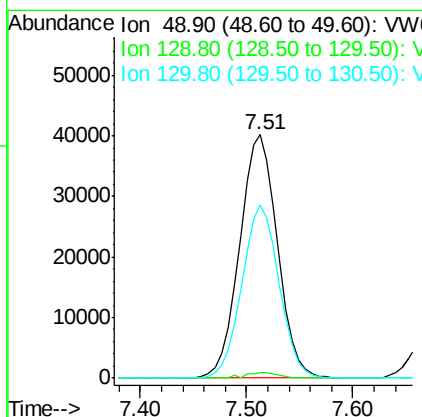
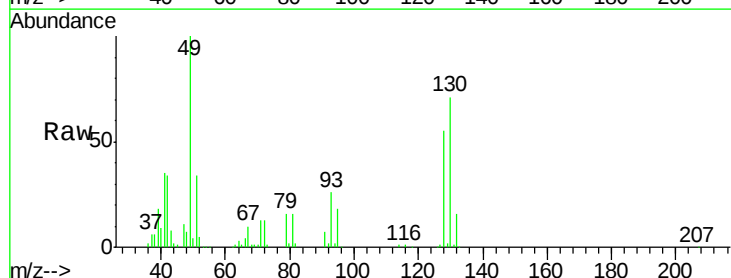
apatel
 7/16/2018 10:43:36 AM

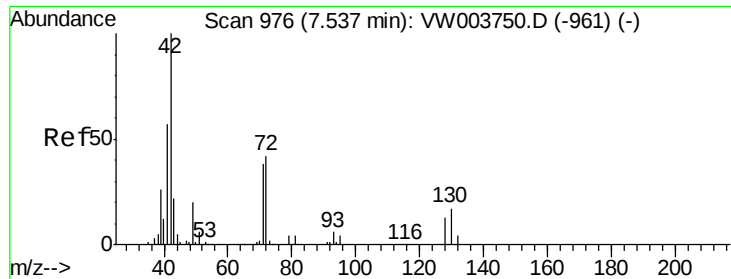


#28

Bromochloromethane
 Concen: 46.22 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	4.4	
130	70.5	56.9	85.3	





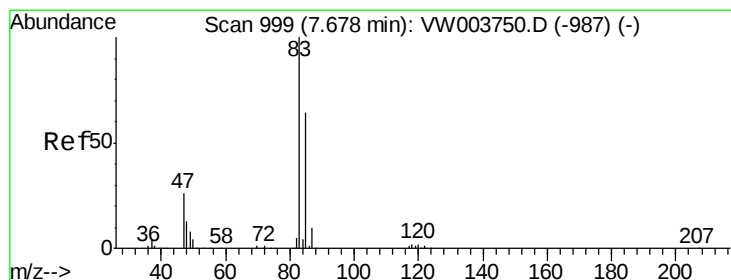
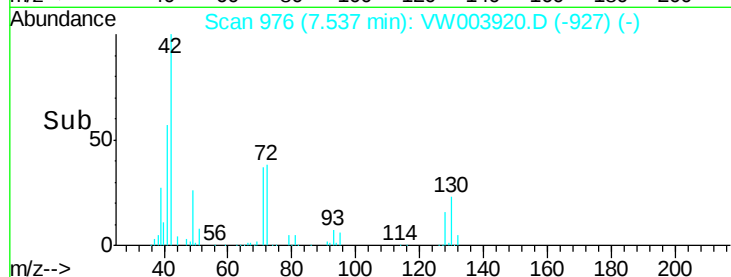
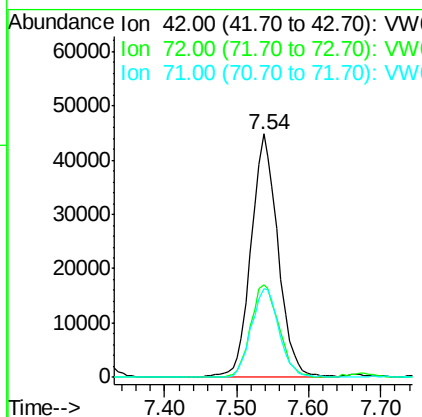
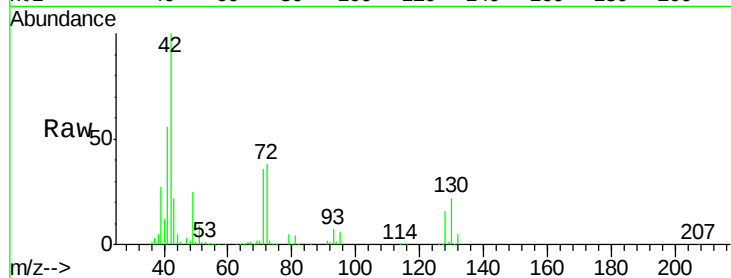
#29
Tetrahydrofuran
Concen: 228.53 ug/l
RT: 7.54 min Scan# 976
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	31.8	47.8
71	37.5	30.3	45.5

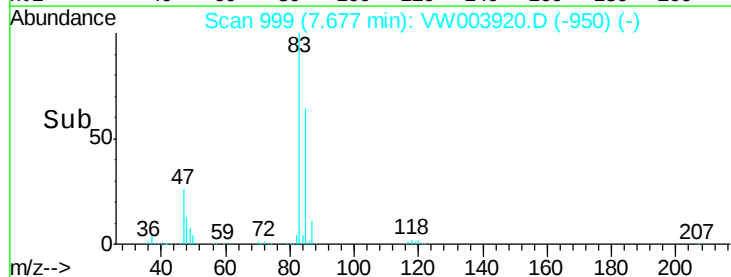
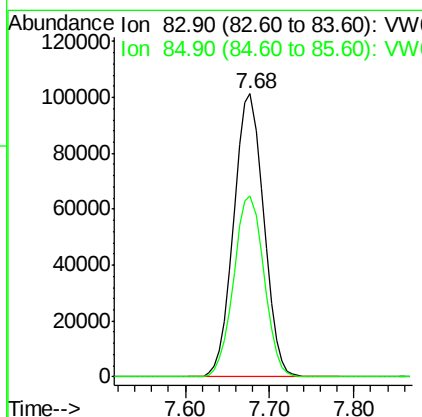
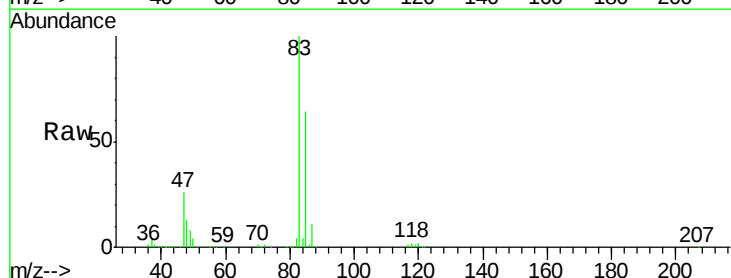
Manual Integrations
APPROVED

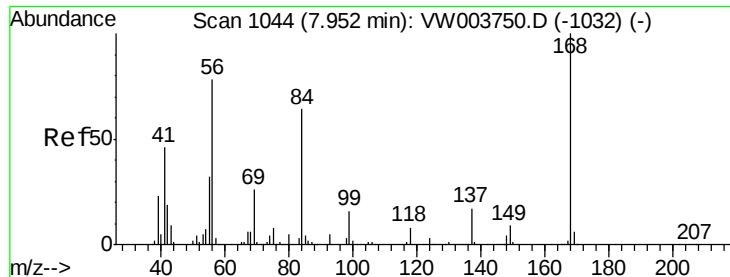
apatel
7/16/2018 10:43:36 AM



#30
Chloroform
Concen: 49.24 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.5	77.3





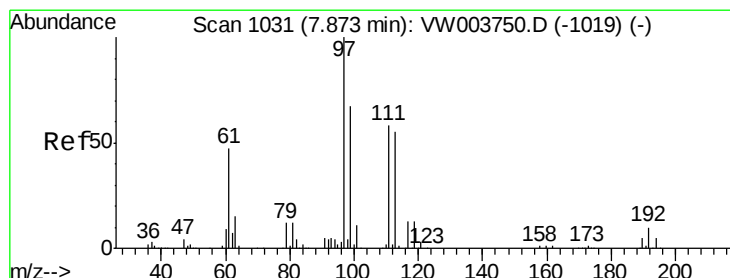
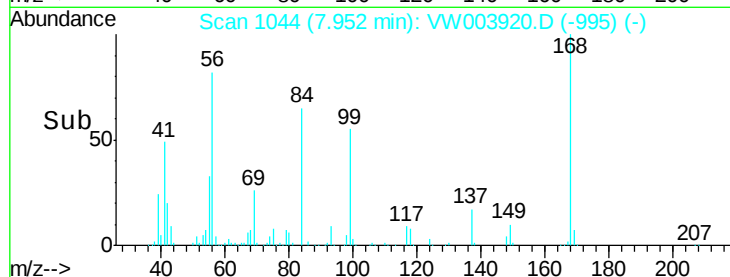
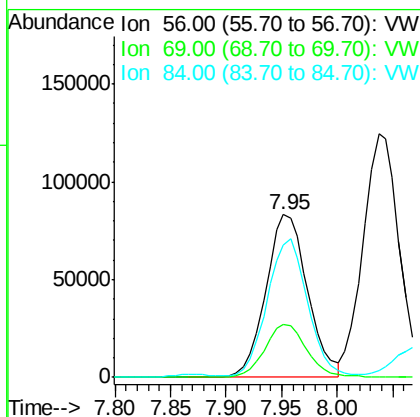
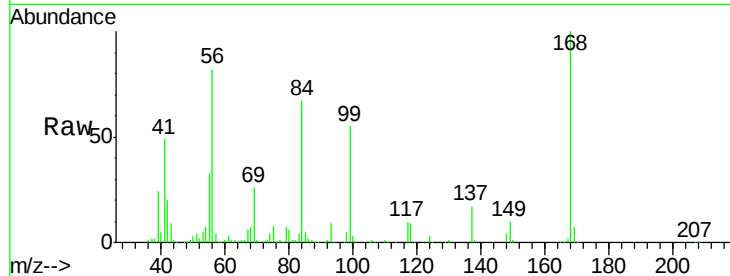
#31
Cyclohexane
Concen: 50.92 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	26.2	39.4
84	80.1	65.5	98.3

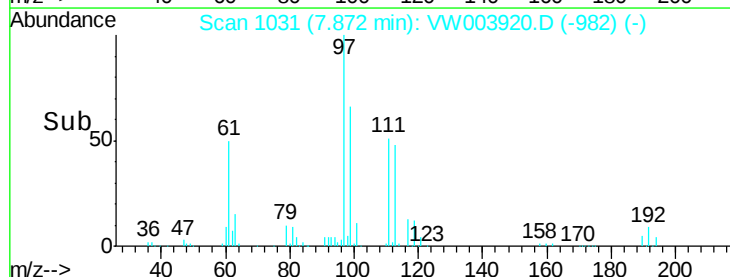
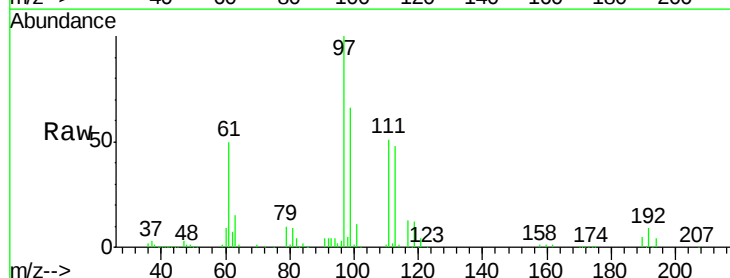
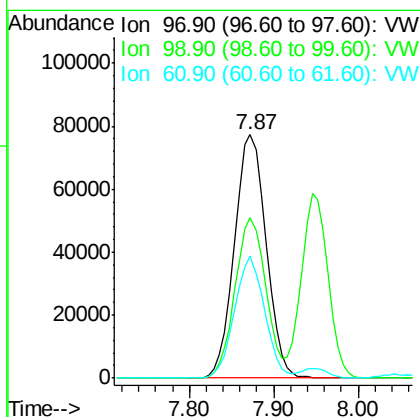
Manual Integrations
APPROVED

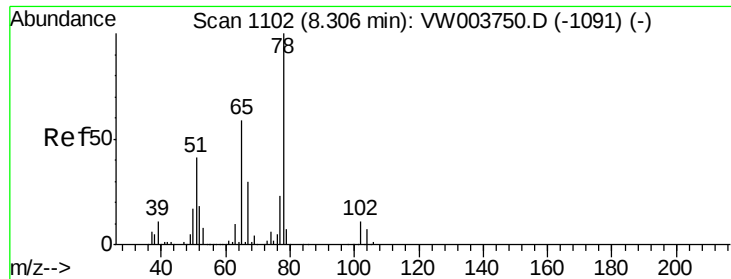
apatel
7/16/2018 10:43:36 AM



#32
1,1,1-Trichloroethane
Concen: 52.16 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.2	76.8
61	47.5	37.6	56.4





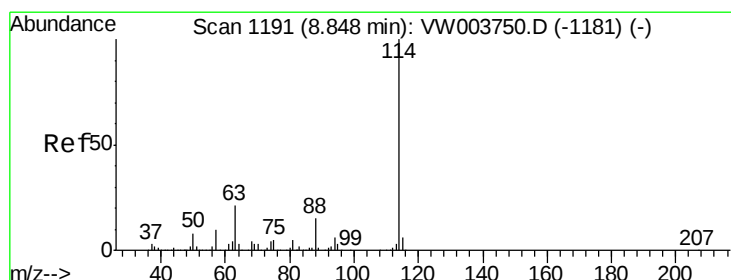
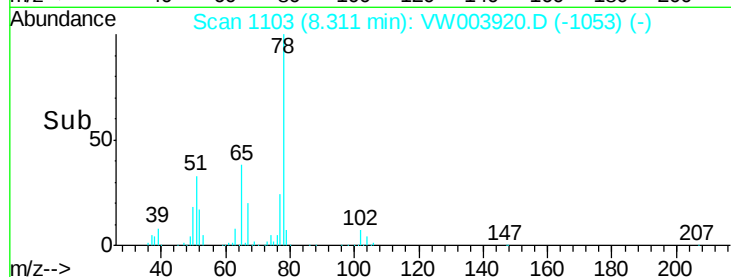
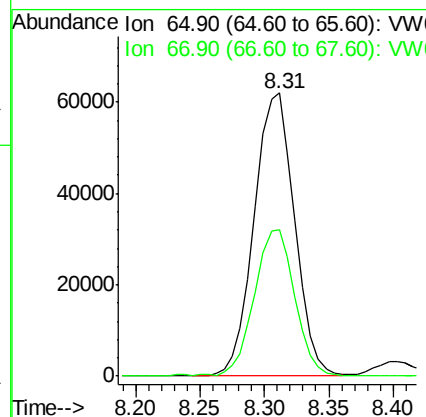
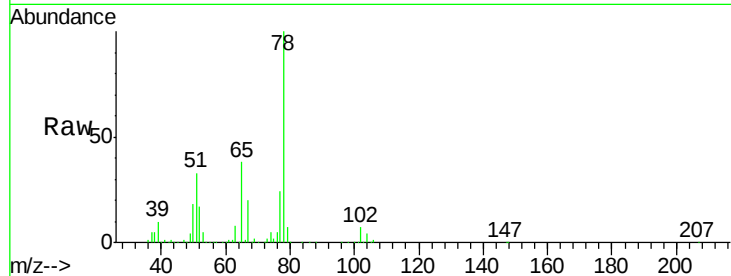
#33
 1,2-Dichloroethane-d4
 Concen: 46.08 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.1	0.0	103.8	

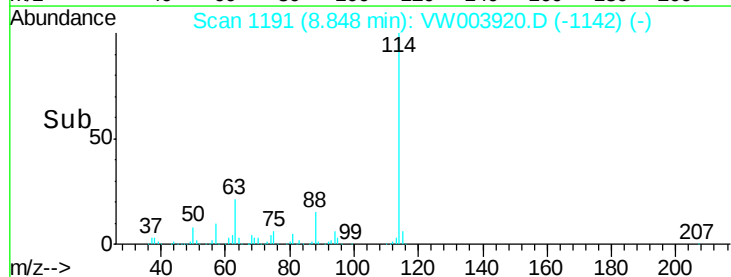
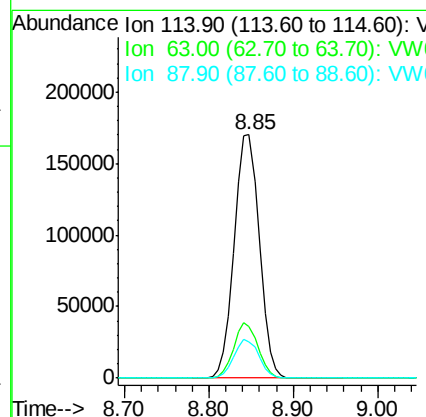
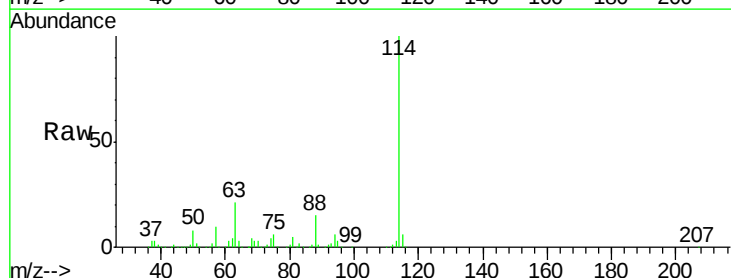
Manual Integrations
 APPROVED

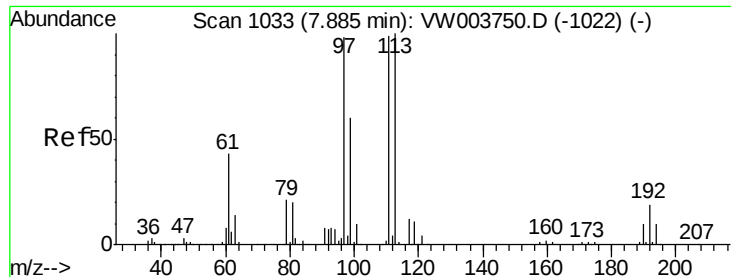
apatel
 7/16/2018 10:43:36 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.4	0.0	41.8	
88	14.9	0.0	30.2	





#35

Dibromofluoromethane

Concen: 51.18 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

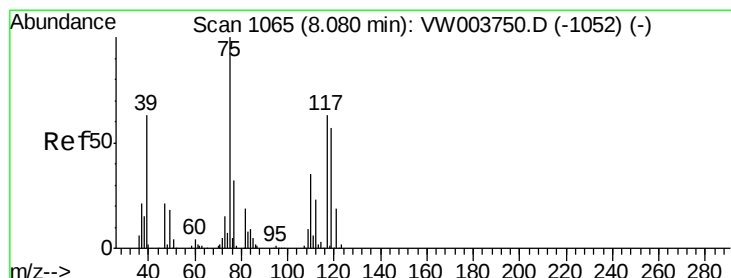
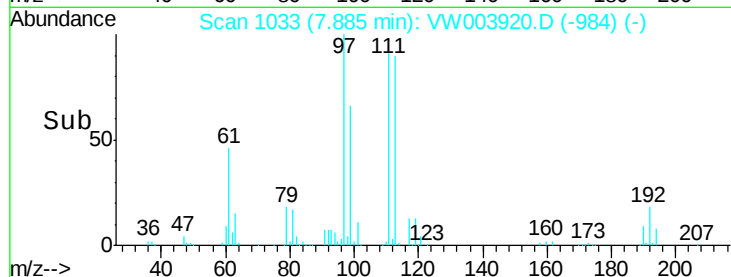
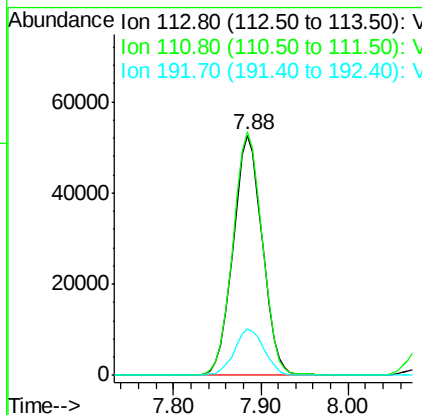
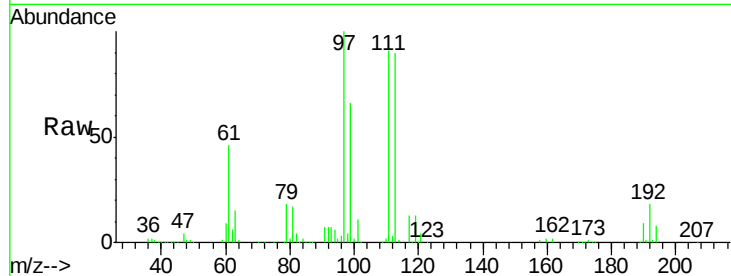
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.7	122.5
192	19.9	15.8	23.8

Manual Integrations
APPROVED

apatel
7/16/2018 10:43:36 AM



#36

1,1-Dichloropropene

Concen: 54.11 ug/l

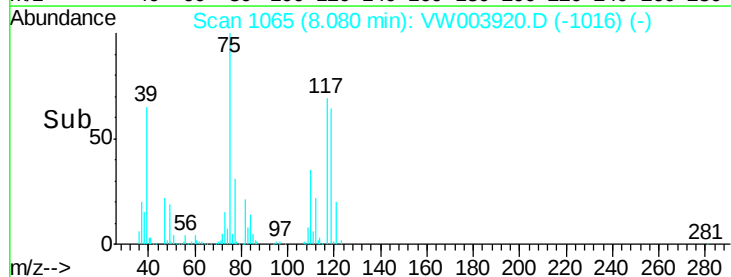
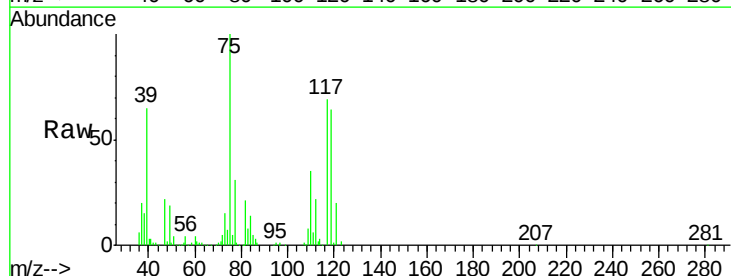
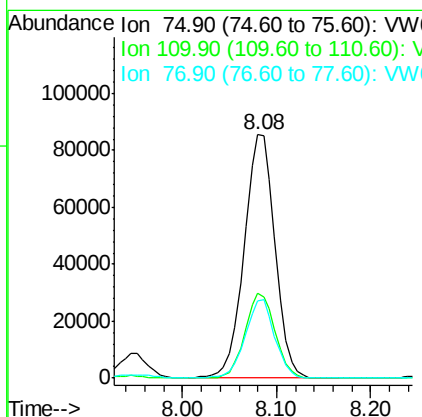
RT: 8.08 min Scan# 1065

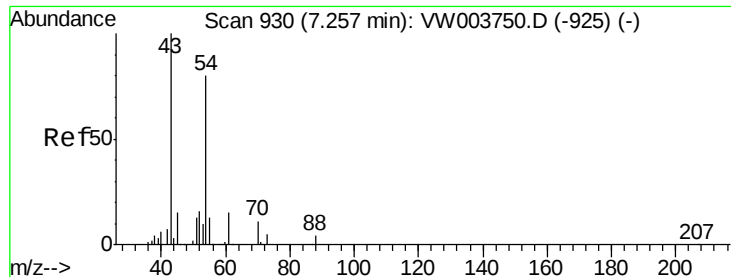
Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.9	50.6
77	31.1	24.8	37.2





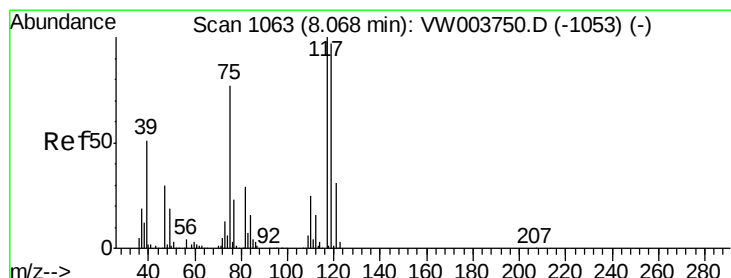
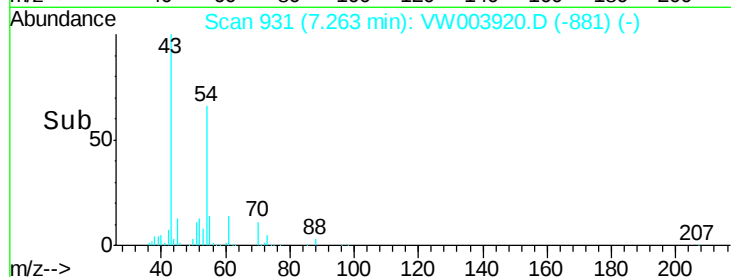
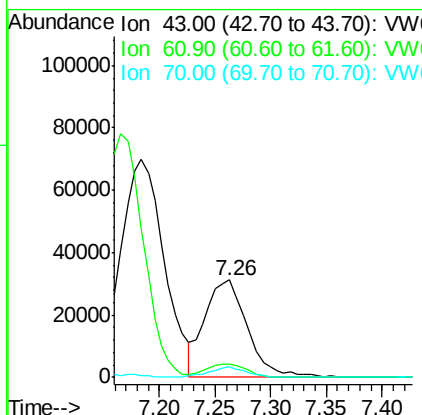
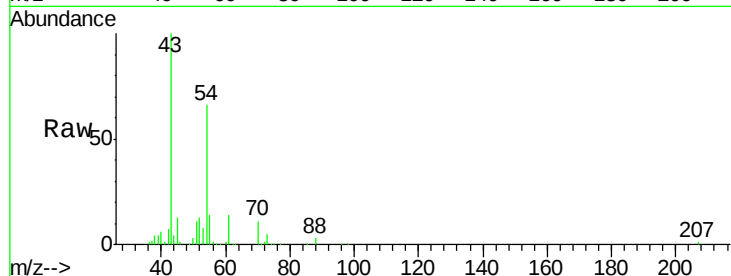
#37
Ethyl Acetate
Concen: 46.70 ug/l
RT: 7.26 min Scan# 931
Delta R.T. 0.01 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.6	15.8
70	9.5	7.5	11.3

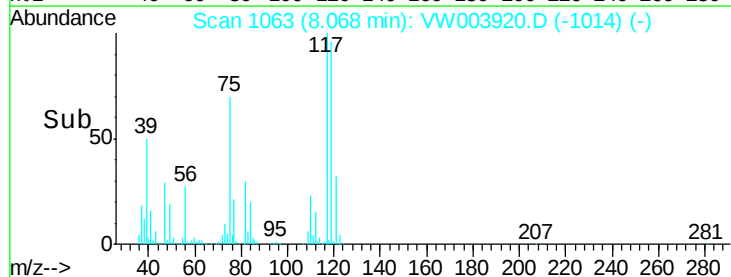
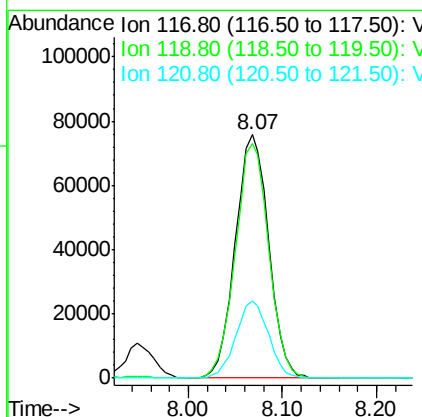
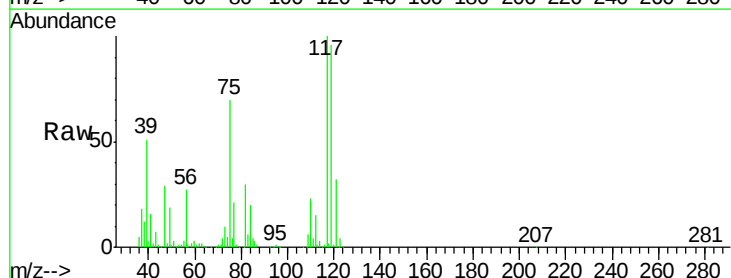
Manual Integrations
APPROVED

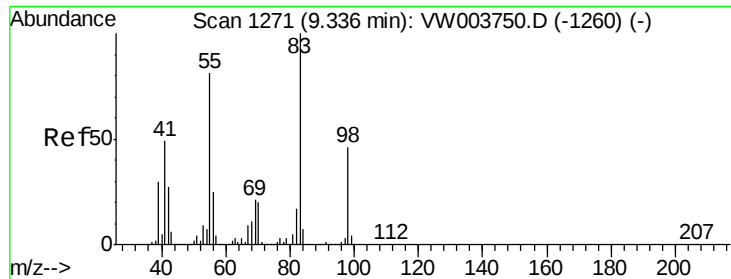
apatel
7/16/2018 10:43:36 AM



#38
Carbon Tetrachloride
Concen: 54.47 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.4	116.2
121	31.6	24.6	37.0





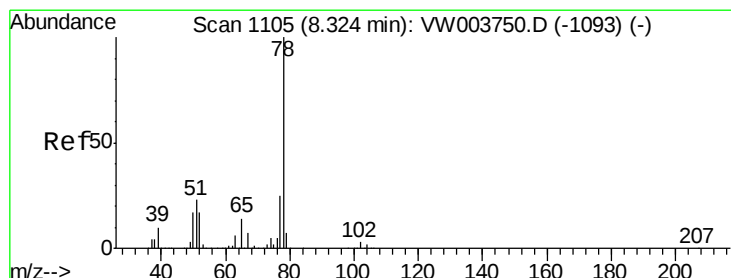
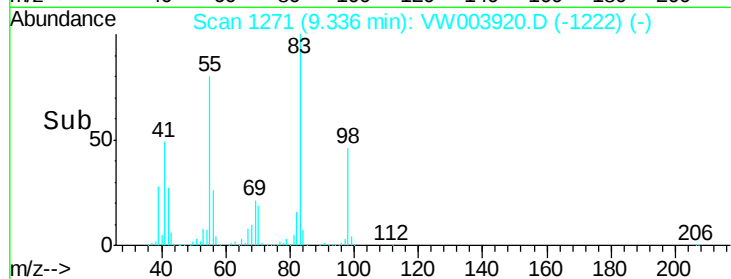
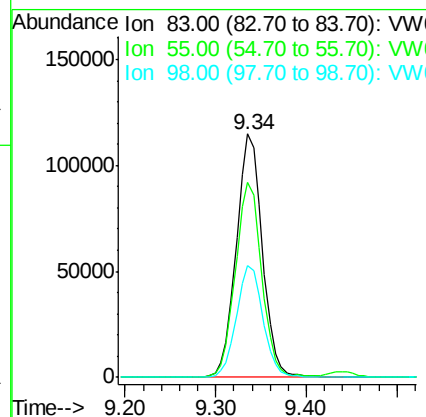
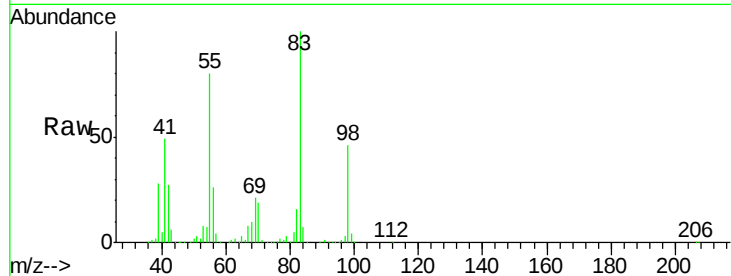
#39
Methvlcvclohexane
Concen: 57.97 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	229525		
55	80.3	65.1	97.7	
98	45.8	36.7	55.1	

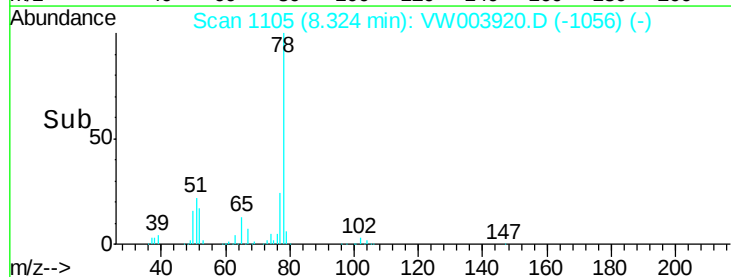
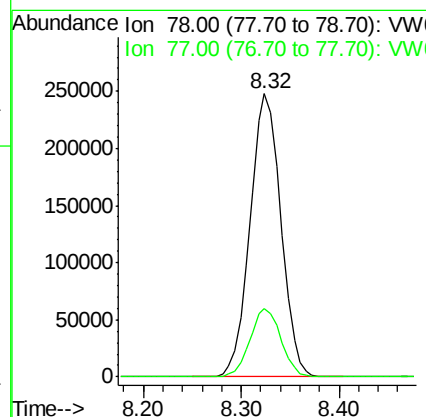
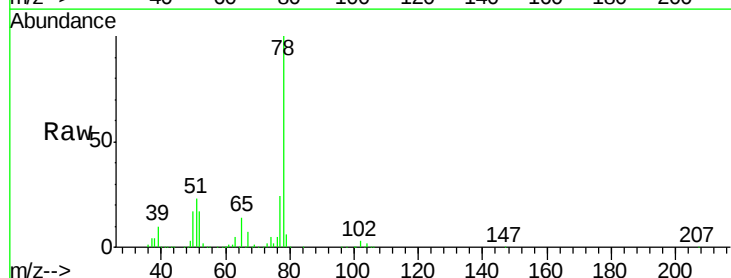
Manual Integrations
APPROVED

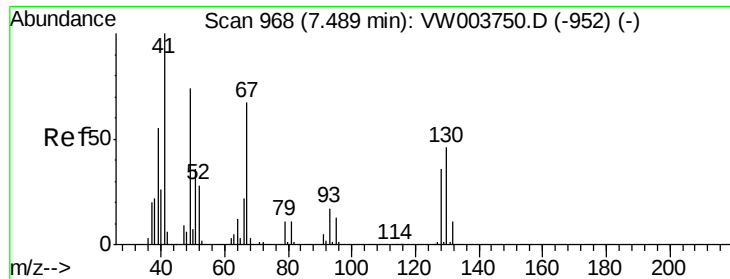
apatel
7/16/2018 10:43:36 AM



#40
Benzene
Concen: 52.41 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	541693		
77	24.4	19.7	29.5	





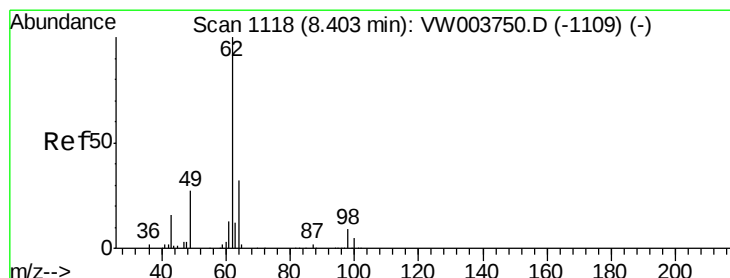
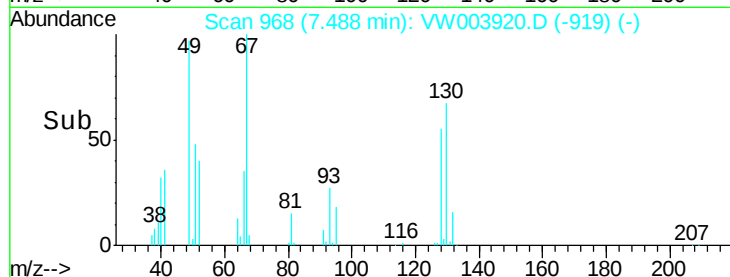
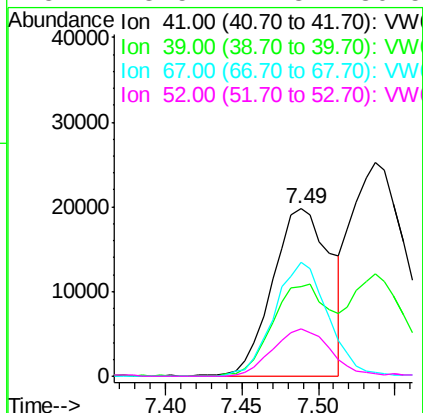
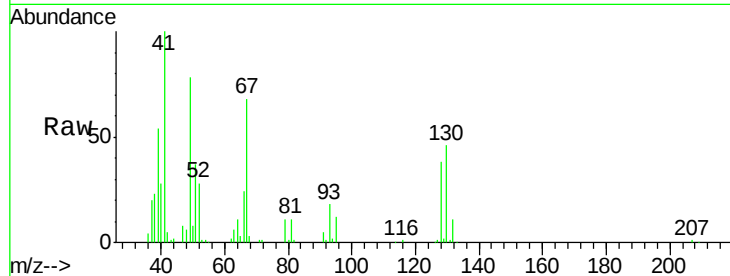
#41
Methacrylonitrile
Concen: 51.75 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.3	49.5	74.3
67	63.0	53.8	80.8
52	28.5	24.3	36.5

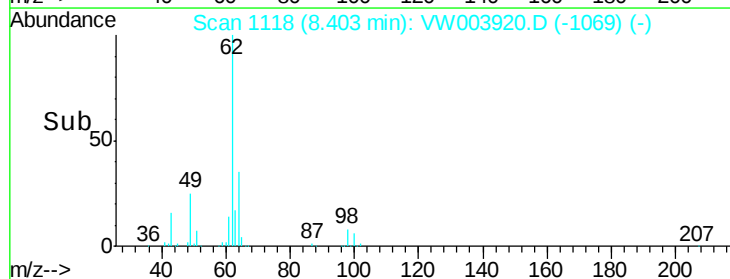
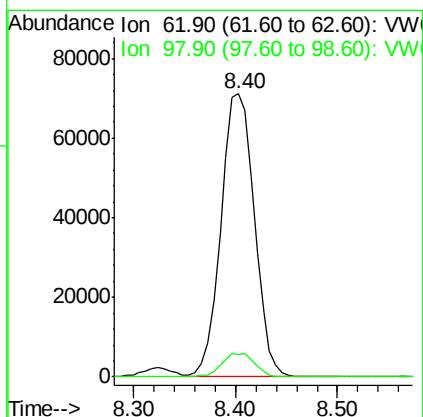
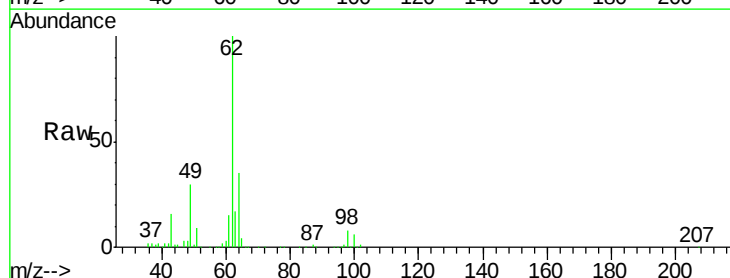
Manual Integrations
APPROVED

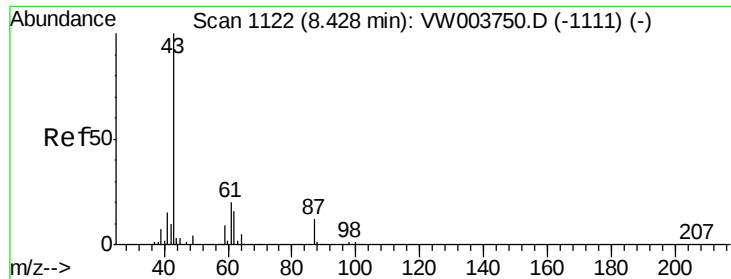
apatel
7/16/2018 10:43:36 AM



#42
1,2-Dichloroethane
Concen: 48.23 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.4





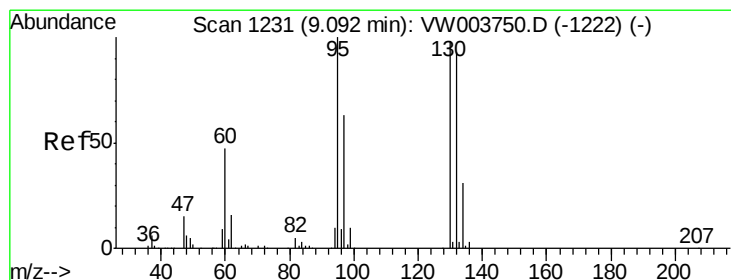
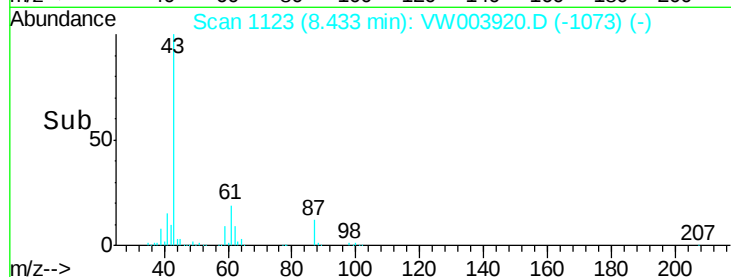
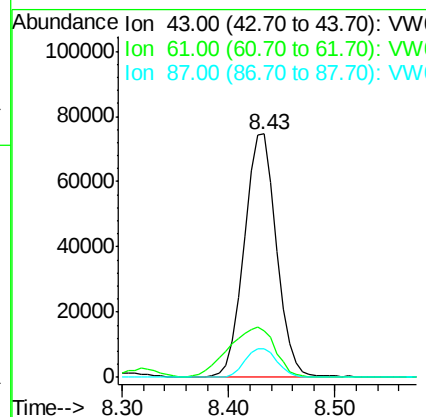
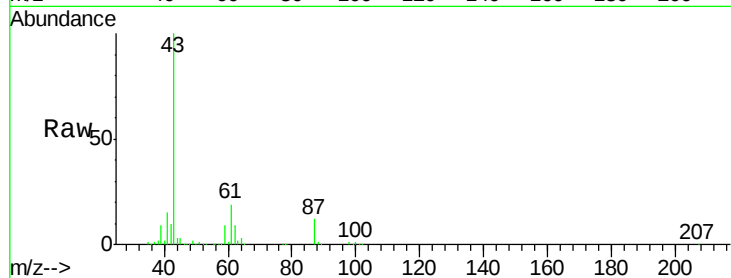
#43
Isopropyl Acetate
Concen: 47.57 ug/l
RT: 8.43 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.8	22.8	34.2
87	11.8	9.5	14.3

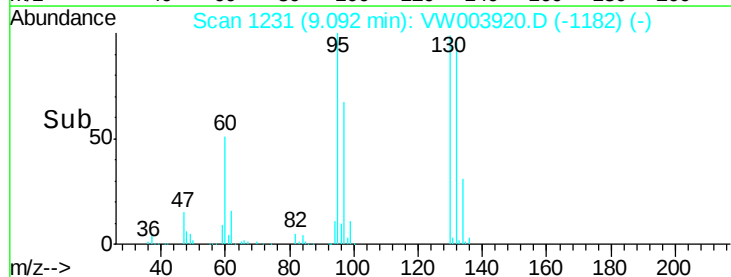
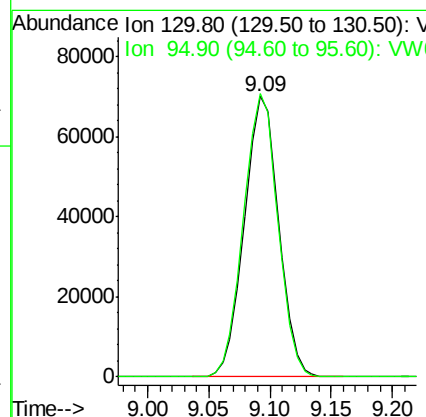
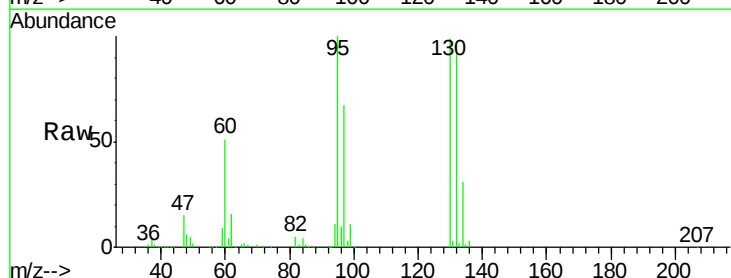
Manual Integrations
APPROVED

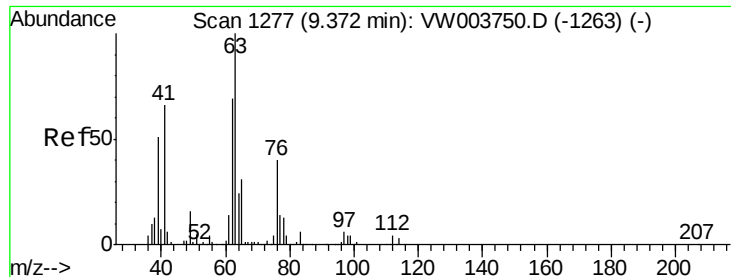
apatel
7/16/2018 10:43:36 AM



#44
Trichloroethene
Concen: 52.55 ug/l
RT: 9.09 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	203.8





#45

1,2-Dichloropropane

Concen: 51.90 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 139467

Ion Ratio Lower Upper

63 100

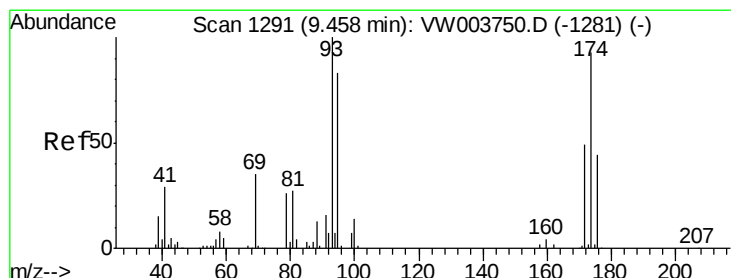
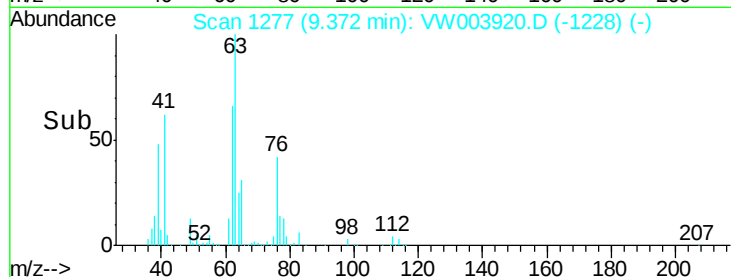
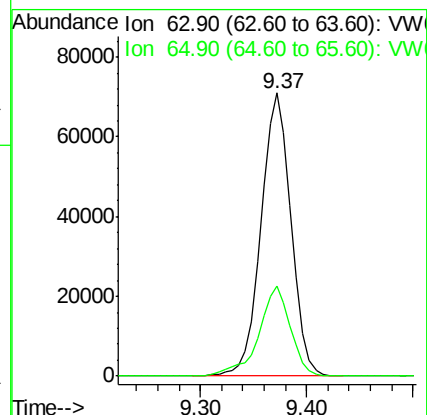
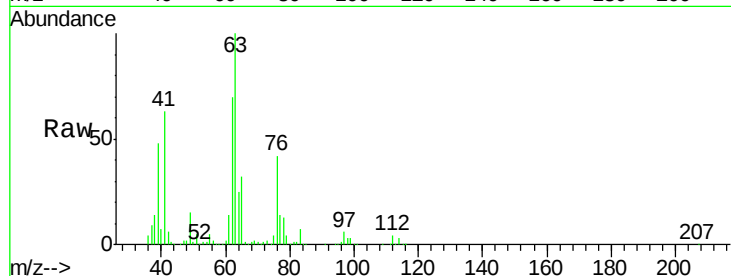
65 31.8 24.9 37.3

Manual Integrations

APPROVED

apatel

7/16/2018 10:43:36 AM



#46

Dibromomethane

Concen: 48.52 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.01 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

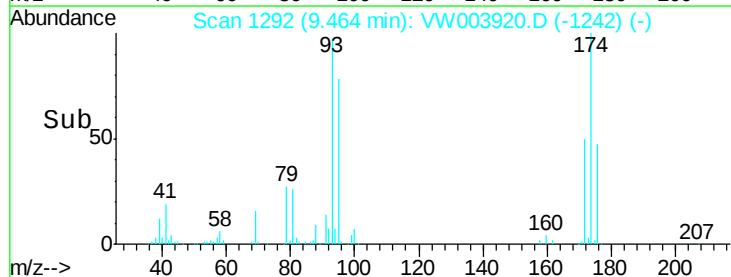
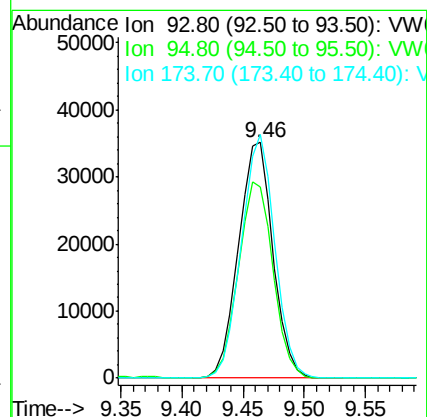
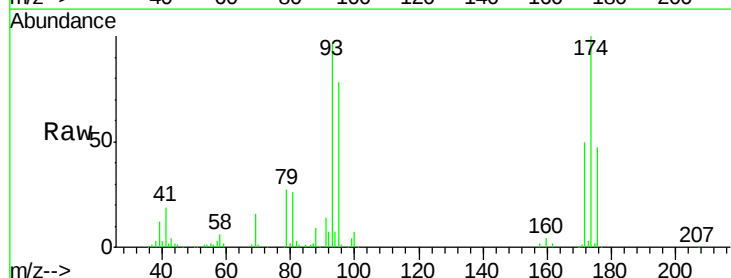
Tgt Ion: 93 Resp: 68564

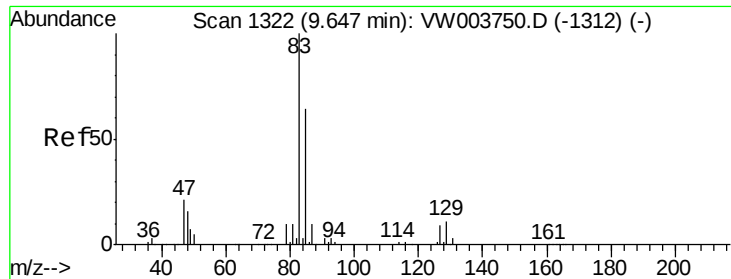
Ion Ratio Lower Upper

93 100

95 83.7 67.2 100.8

174 100.3 78.1 117.1





#47

Bromodichloromethane

Concen: 51.10 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

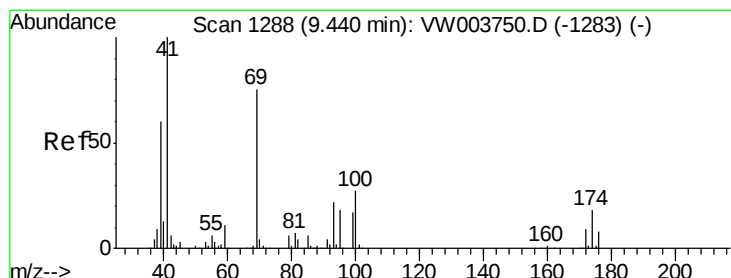
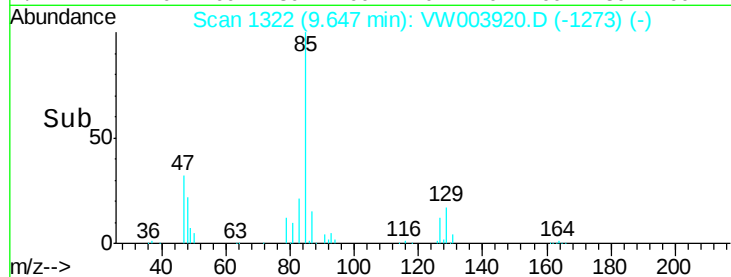
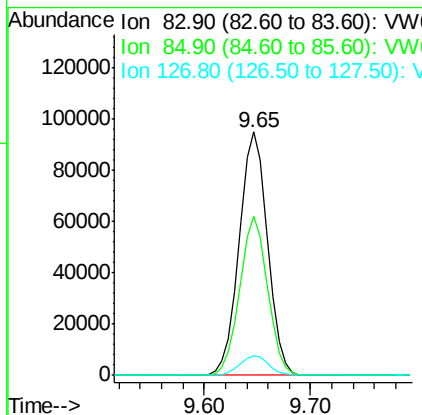
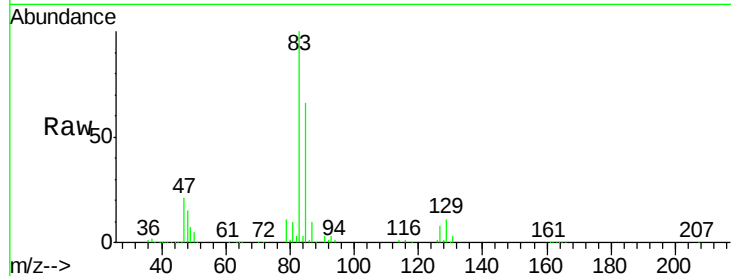
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	177647
Ion Ratio	Lower	Upper	
83	100		
85	65.5	51.4	77.0
127	8.1	6.8	10.2

Manual Integrations
APPROVED

apatel
7/16/2018 10:43:36 AM



#48

Methyl methacrylate

Concen: 49.39 ug/l

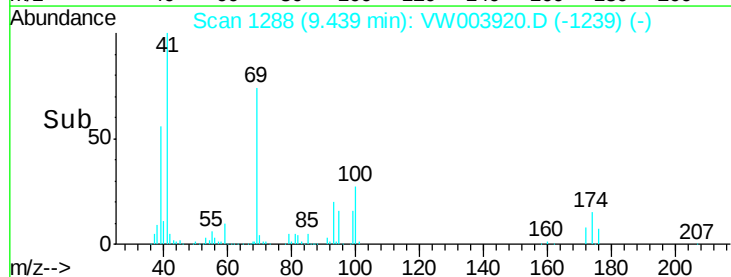
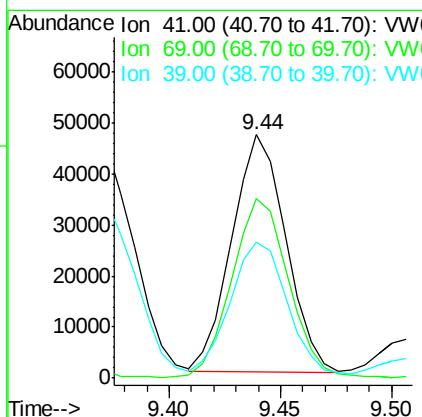
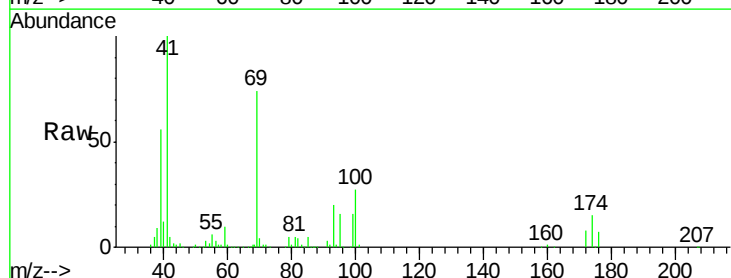
RT: 9.44 min Scan# 1288

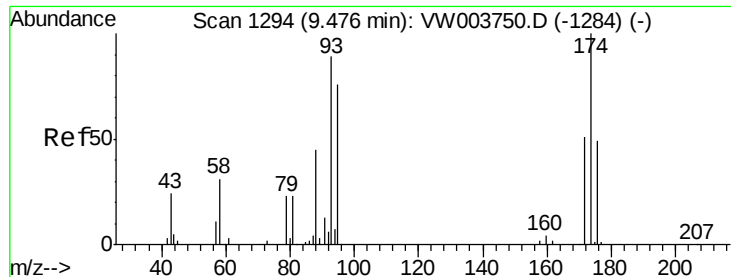
Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Tgt Ion:	41	Resp:	78416
Ion Ratio	Lower	Upper	
41	100		
69	79.3	63.8	95.8
39	62.2	50.2	75.2





#49

1,4-Dioxane

Concen: 984.53 ug/l

RT: 9.49 min Scan# 1296

Delta R.T. 0.01 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

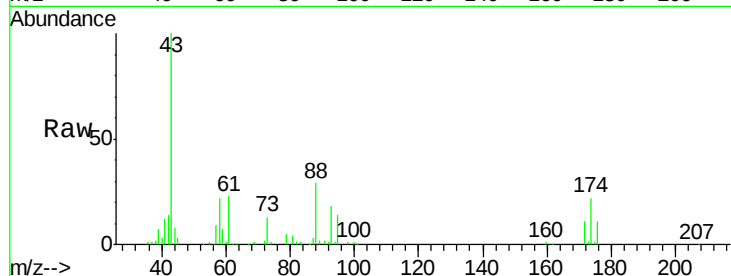
ClientSampleId :

VSTDCCC050

Tot Ion	88	Resp	20793
Ion	Ratio	Lower	Upper
88	100		
43	606.9	0.0	0.0#
58	75.3	59.7	89.5

Manual Integrations
APPROVED

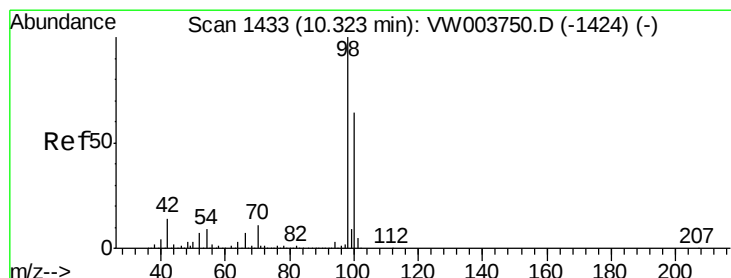
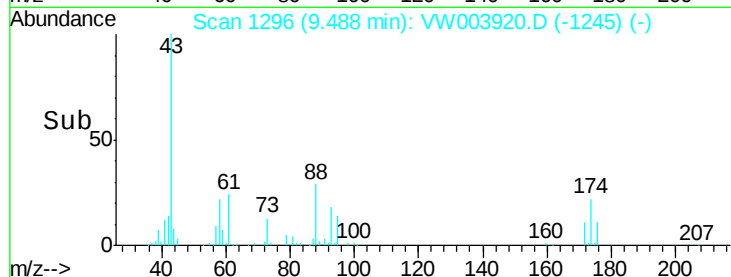
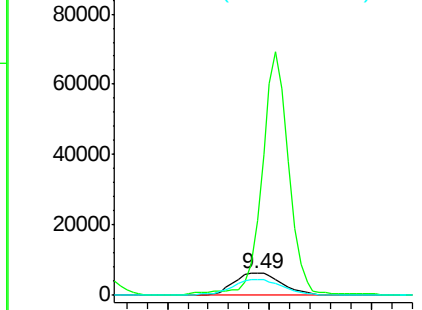
apatel
7/16/2018 10:43:36 AM



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: 52.87 ug/l

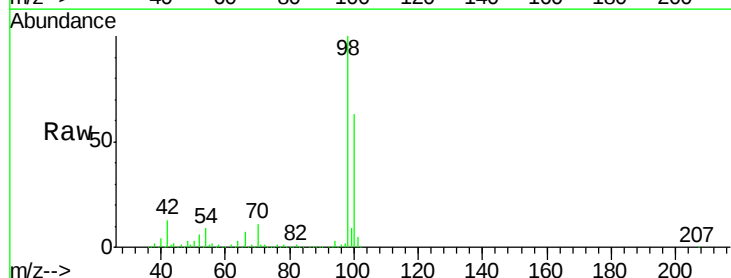
RT: 10.32 min Scan# 1433

Delta R.T. -0.00 min

Lab File: VW003920.D

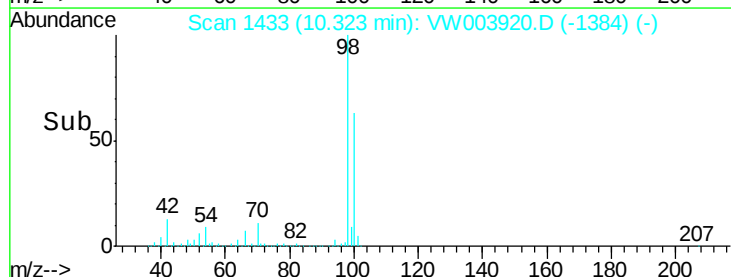
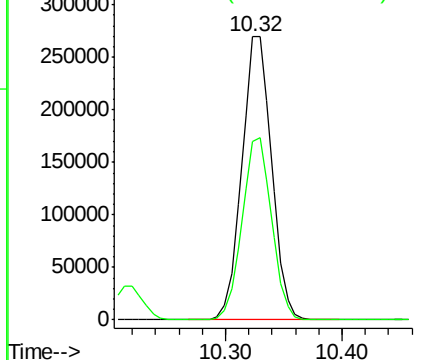
Acq: 13 Jul 2018 16:30

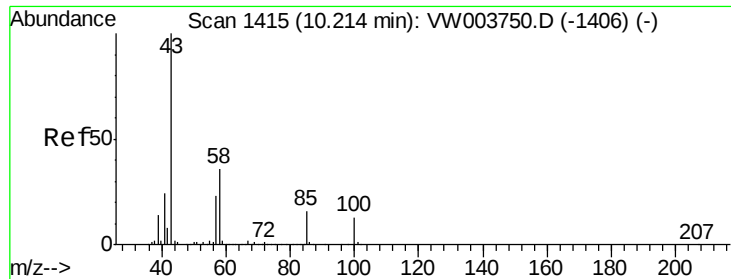
Tgt Ion	98	Resp	482333
Ion	Ratio	Lower	Upper
98	100		
100	63.7	50.8	76.2



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: 244.67 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 422127

Ion Ratio Lower Upper

43 100

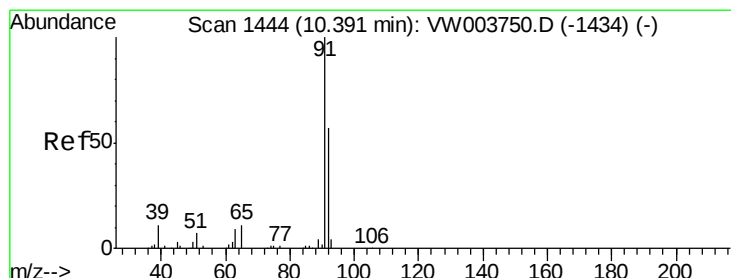
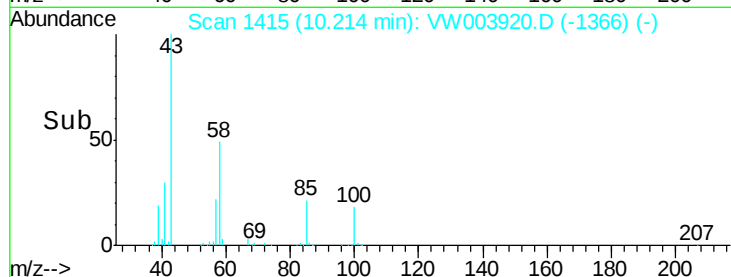
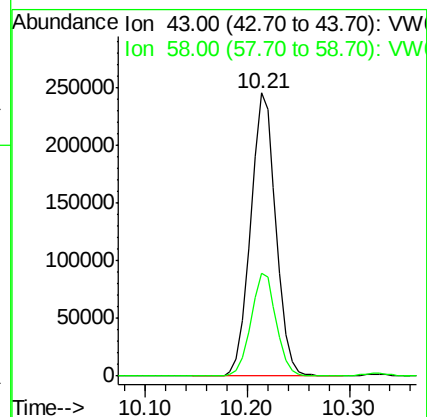
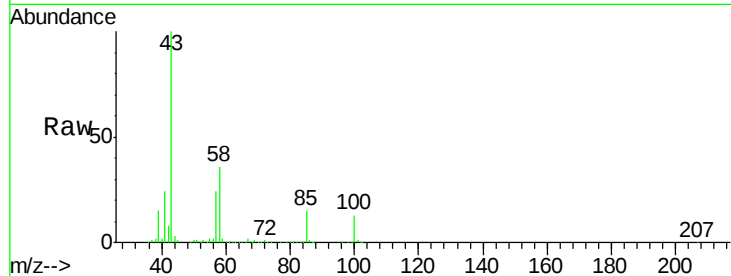
58 36.6 29.3 43.9

Manual Integrations

APPROVED

apatel

7/16/2018 10:43:36 AM



#52

Toluene

Concen: 53.51 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW003920.D

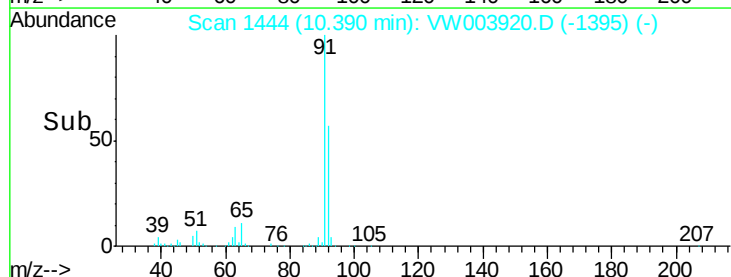
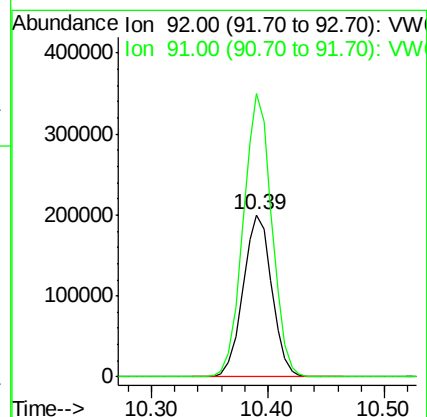
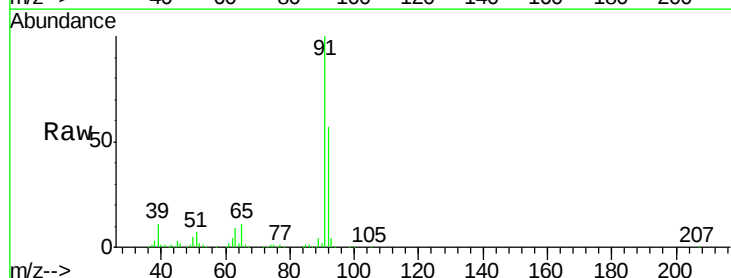
Acq: 13 Jul 2018 16:30

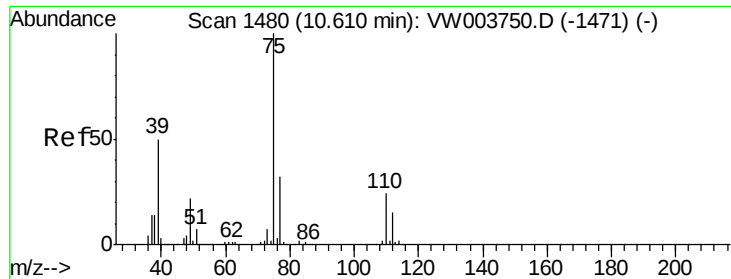
Tgt Ion: 92 Resp: 342928

Ion Ratio Lower Upper

92 100

91 173.9 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 52.49 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 182193

Ion Ratio Lower Upper

75 100

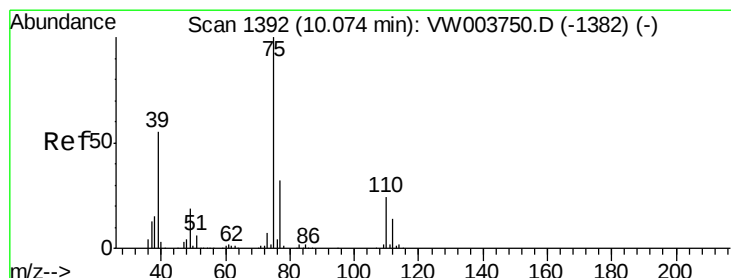
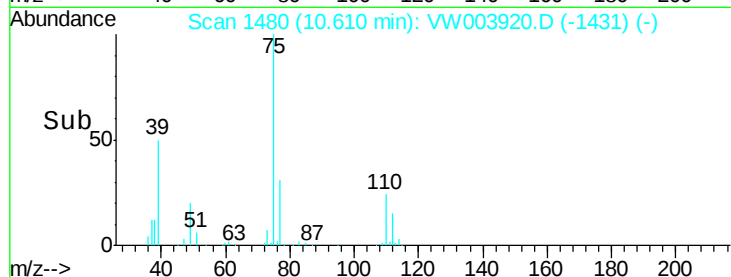
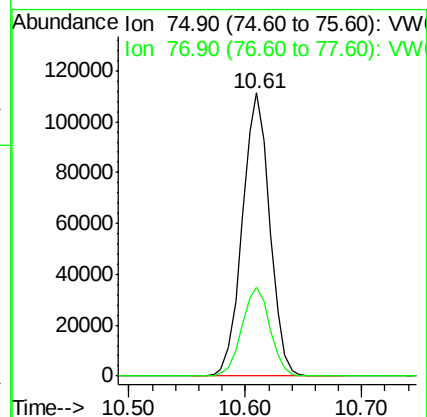
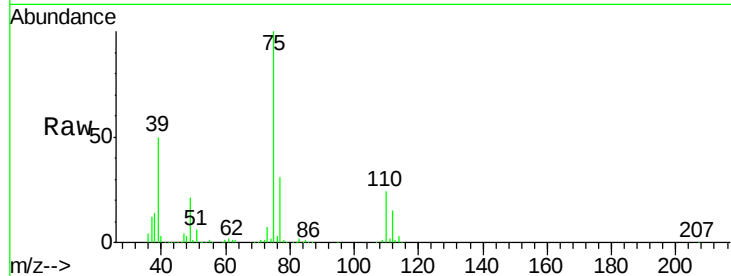
77 31.1 25.5 38.3

Manual Integrations

APPROVED

apatel

7/16/2018 10:43:36 AM



#54

cis-1,3-Dichloropropene

Concen: 53.82 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

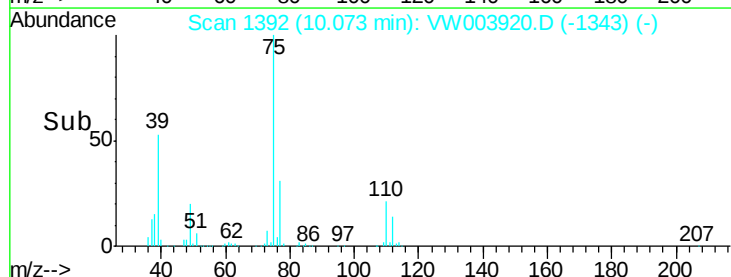
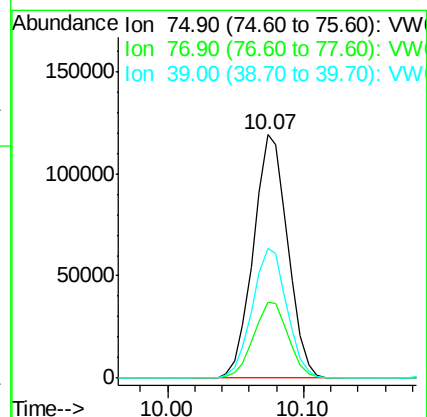
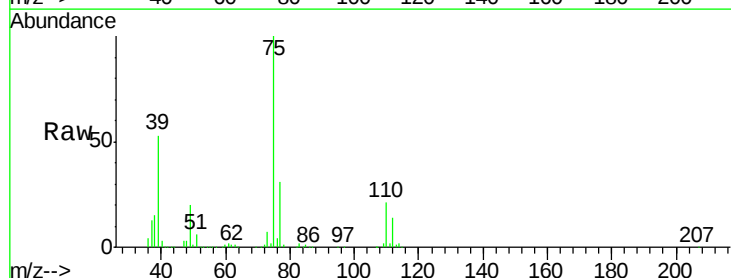
Tgt Ion: 75 Resp: 210869

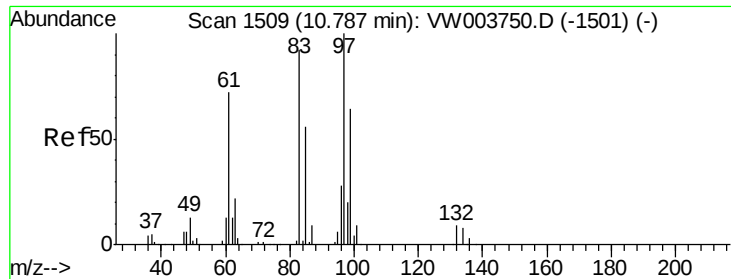
Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4

39 53.3 43.6 65.4





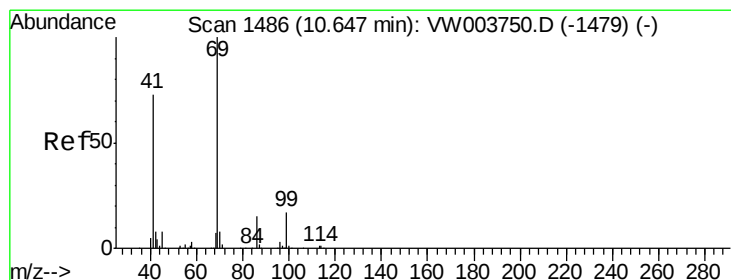
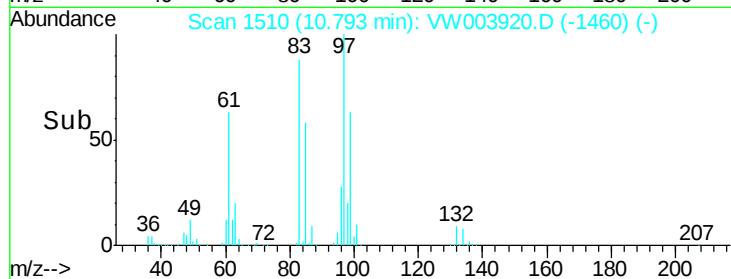
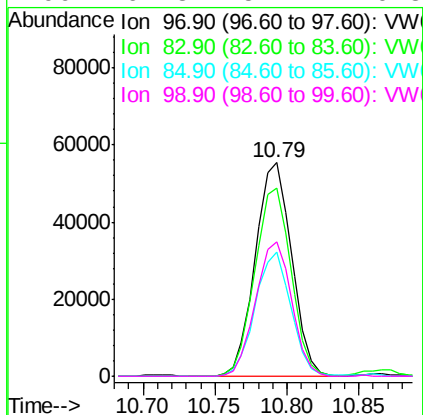
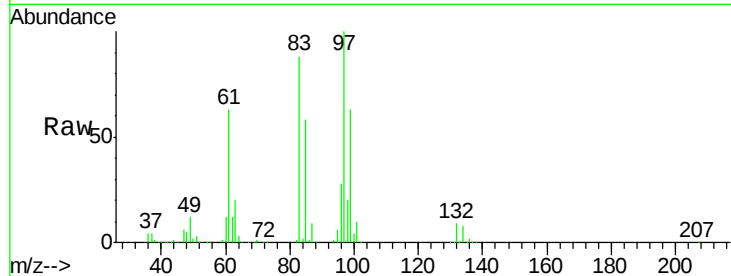
#55
 1,1,2-Trichloroethane
 Concen: 49.16 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	96482
Ion	Ratio	Lower	Upper
97	100		
83	87.9	73.8	110.6
85	58.3	45.0	67.4
99	62.8	51.2	76.8

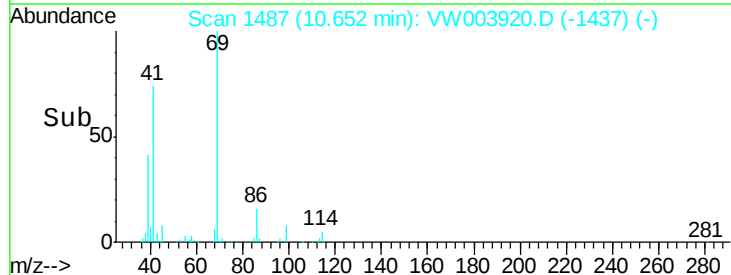
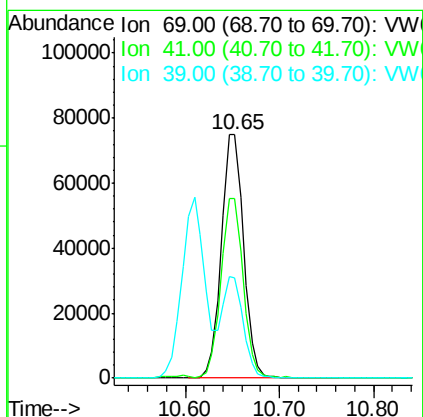
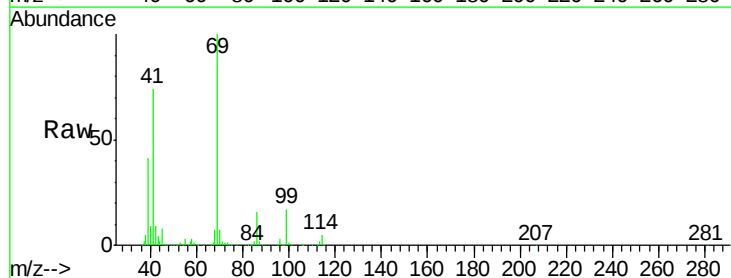
Manual Integrations
 APPROVED

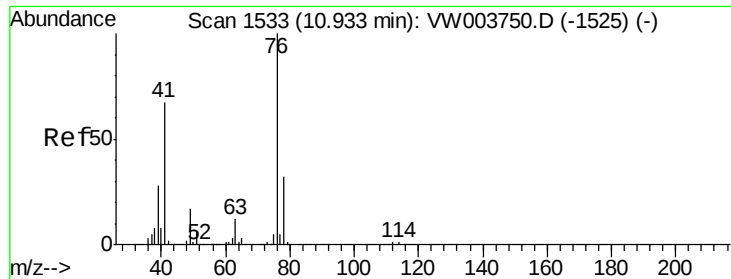
apatel
 7/16/2018 10:43:36 AM



#56
 Ethyl methacrylate
 Concen: 51.43 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

Tgt Ion:	69	Resp:	123168
Ion	Ratio	Lower	Upper
69	100		
41	73.3	59.0	88.4
39	36.4	32.8	49.2





#57

1,3-Dichloropropane

Concen: 49.67 ug/l

RT: 10.93 min Scan# 1533

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 169918

Ion Ratio Lower Upper

76 100

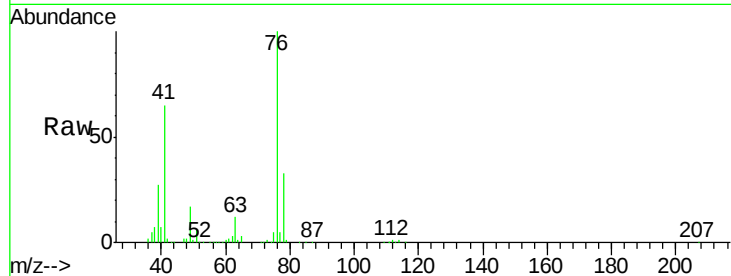
78 32.6 25.6 38.4

Manual Integrations

APPROVED

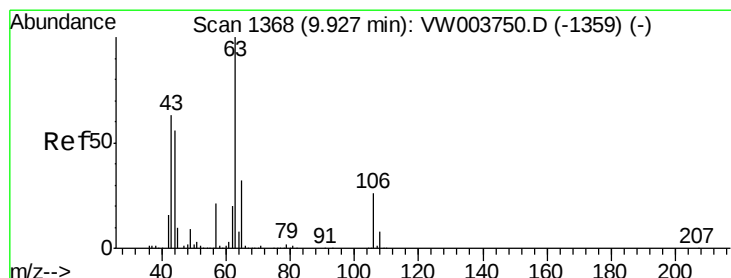
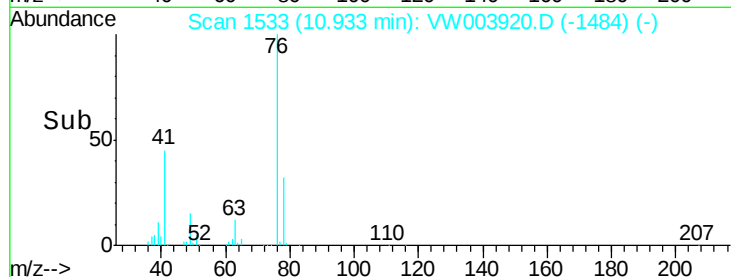
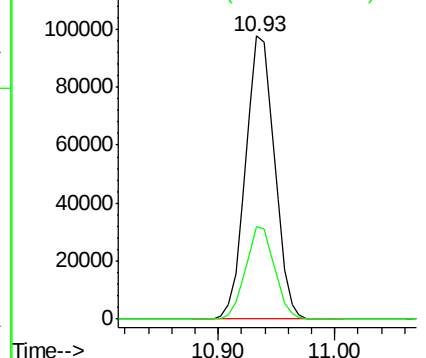
apatel

7/16/2018 10:43:36 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 255.37 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VW003920.D

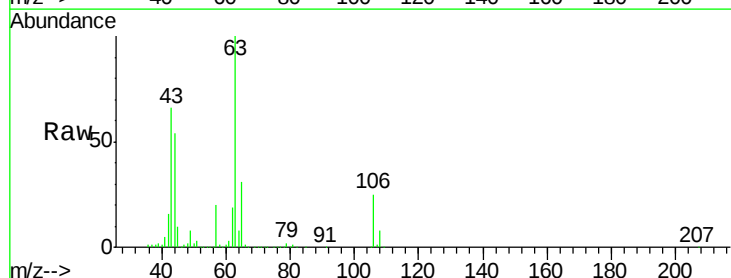
Acq: 13 Jul 2018 16:30

Tgt Ion: 63 Resp: 322398

Ion Ratio Lower Upper

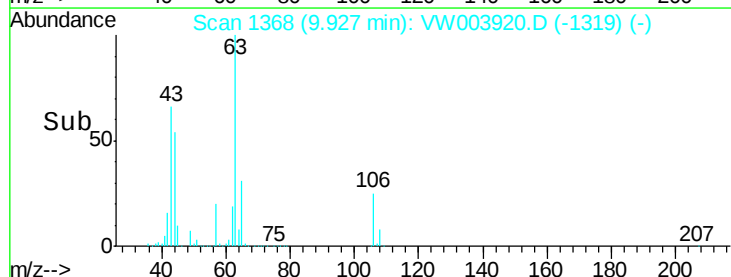
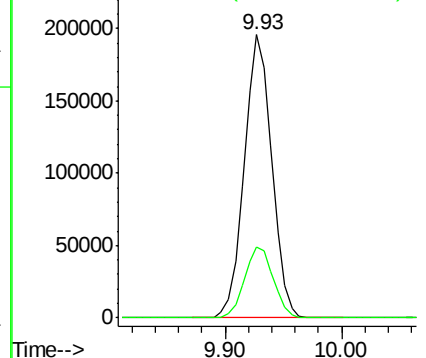
63 100

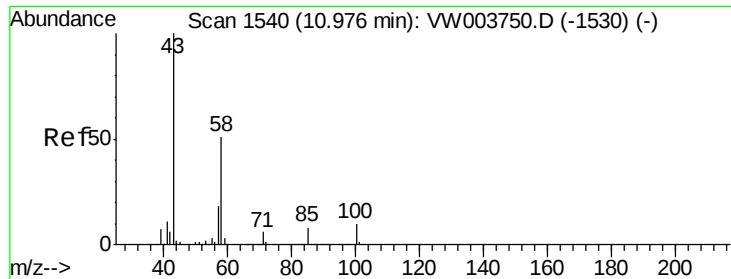
106 26.1 20.9 31.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V





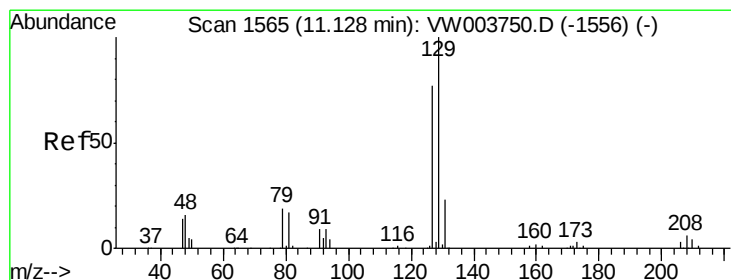
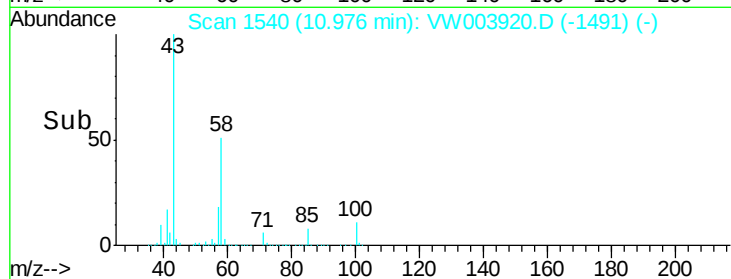
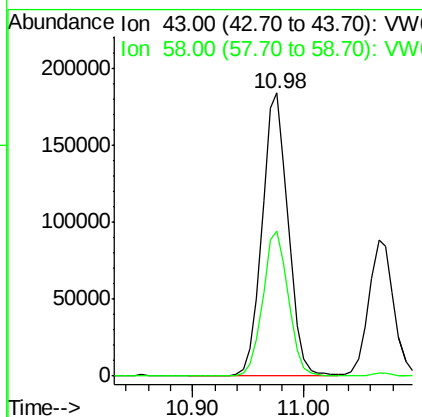
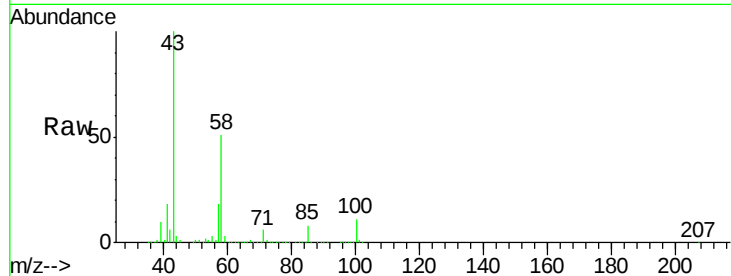
#59
2-Hexanone
Concen: 252.75 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 299441
Ion Ratio Lower Upper
43 100
58 50.6 25.4 76.2

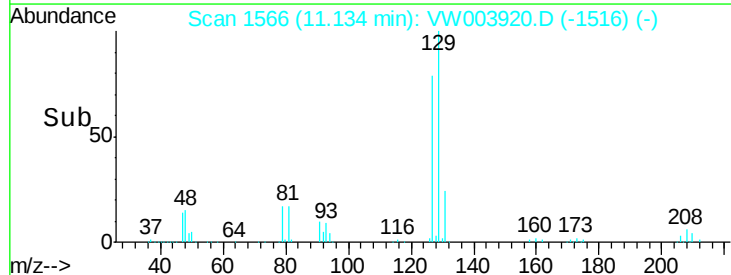
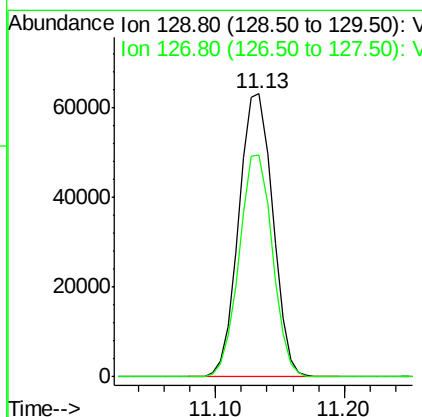
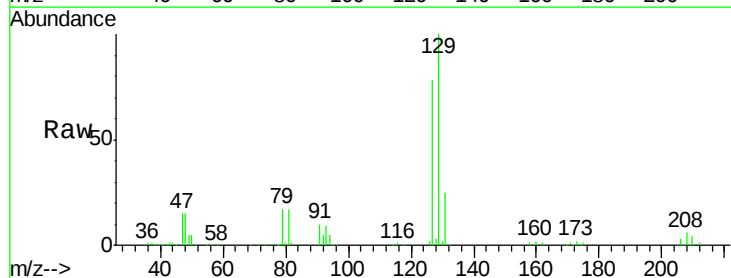
Manual Integrations
APPROVED

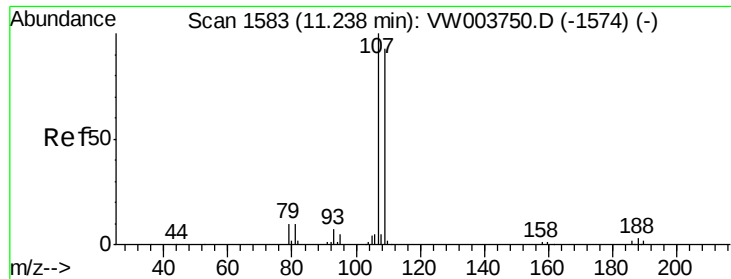
apatel
7/16/2018 10:43:36 AM



#60
Dibromochloromethane
Concen: 50.44 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion: 129 Resp: 115561
Ion Ratio Lower Upper
129 100
127 76.5 38.9 116.6





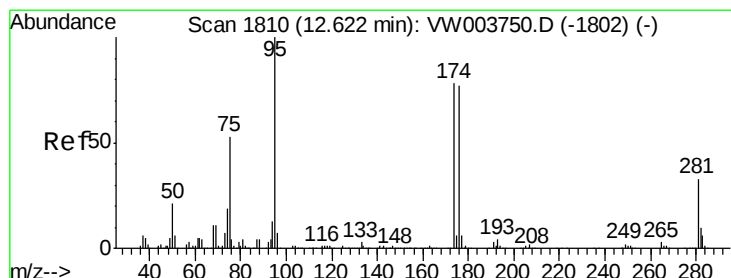
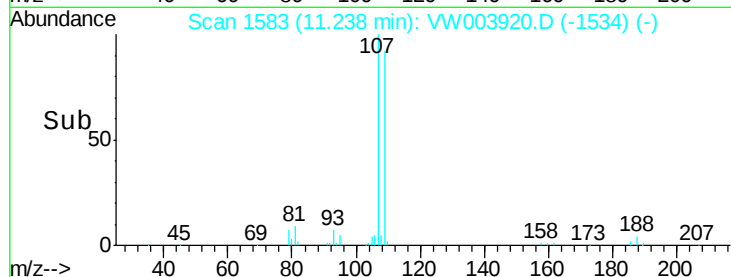
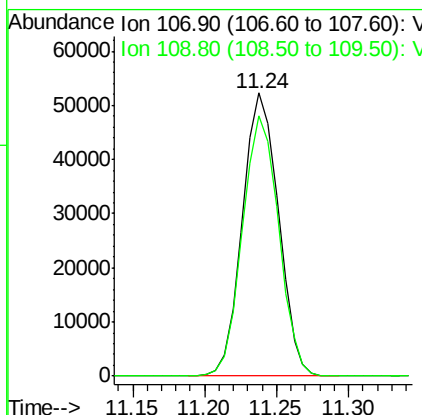
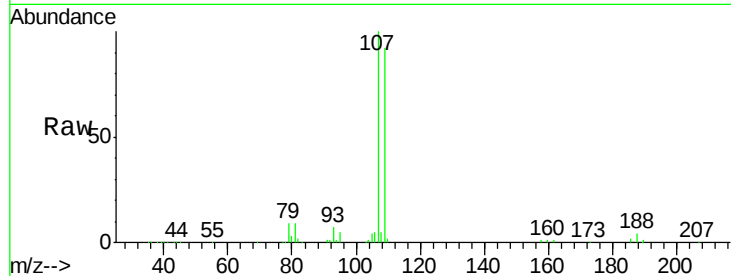
#61
 1,2-Dibromoethane
 Concen: 48.24 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 90533
 Ion Ratio Lower Upper
 107 100
 109 92.6 75.1 112.7

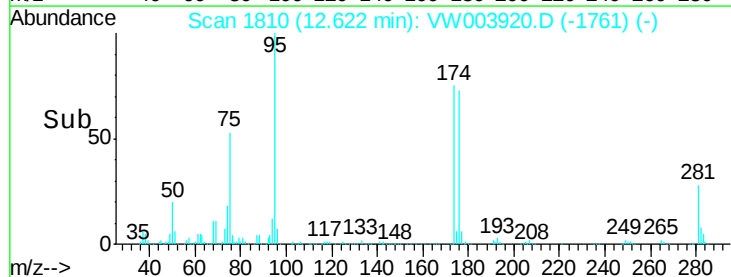
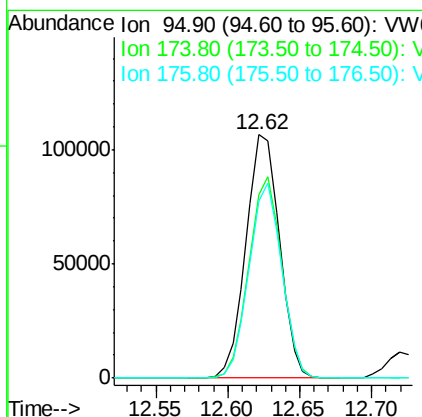
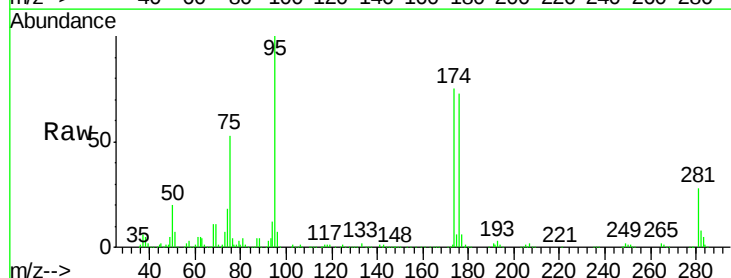
Manual Integrations
 APPROVED

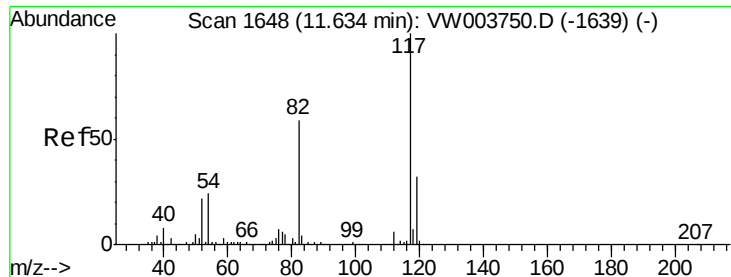
apatel
 7/16/2018 10:43:36 AM



#62
 4-Bromofluorobenzene
 Concen: 52.19 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

Tgt Ion: 95 Resp: 172258
 Ion Ratio Lower Upper
 95 100
 174 80.9 0.0 163.4
 176 78.0 0.0 156.8





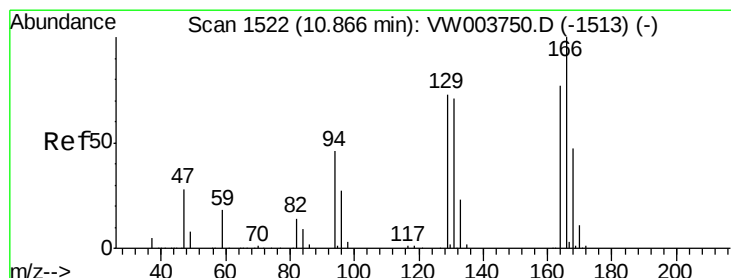
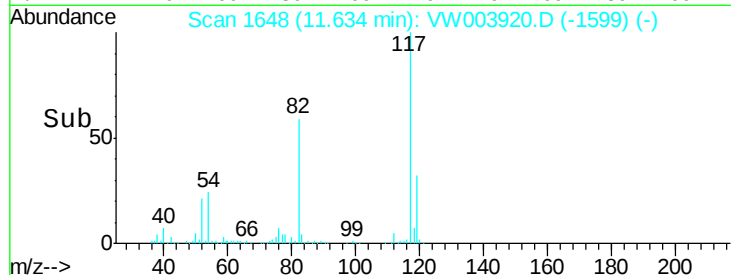
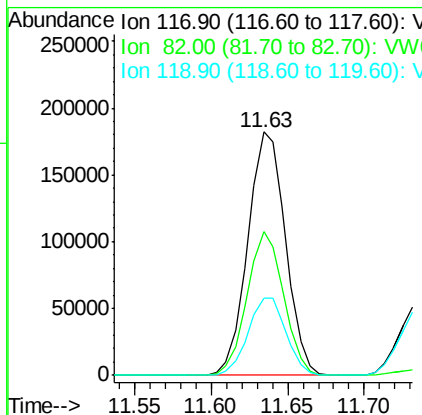
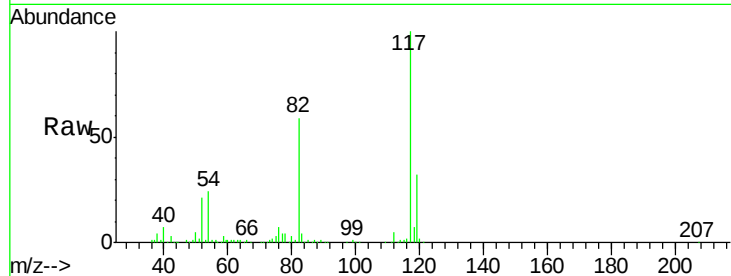
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	311667		
82	58.8	46.9	70.3	
119	31.9	25.5	38.3	

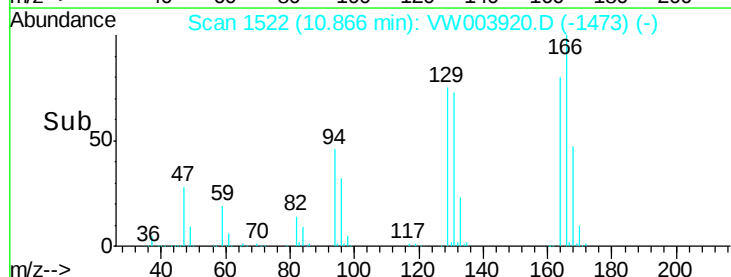
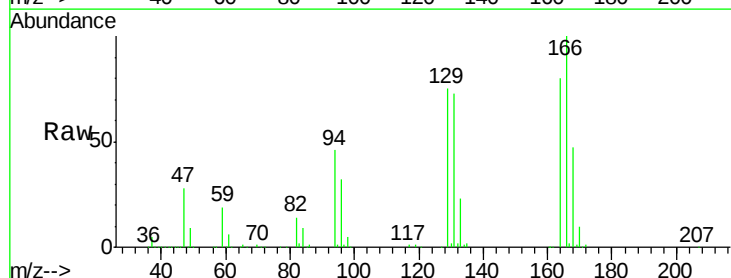
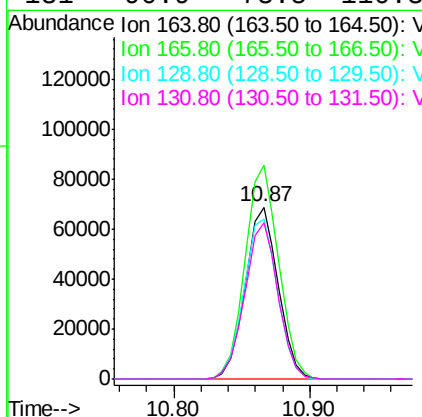
Manual Integrations
APPROVED

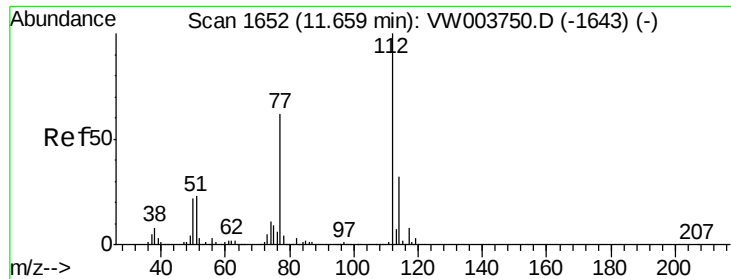
apatel
7/16/2018 10:43:36 AM



#64
Tetrachloroethene
Concen: 50.58 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	116604		
166	124.3	104.2	156.4	
129	93.4	75.8	113.8	
131	90.9	73.5	110.3	





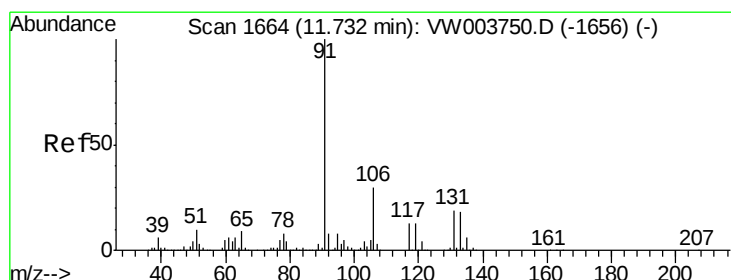
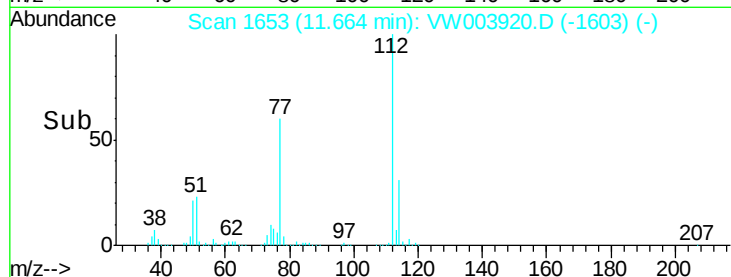
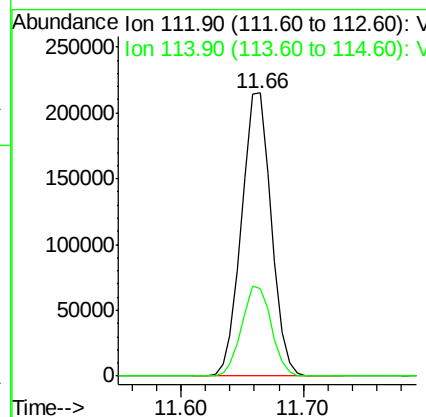
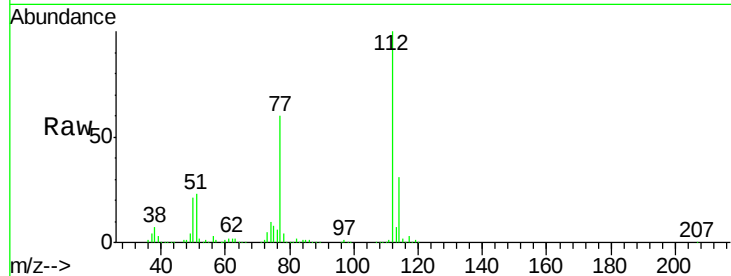
#65
Chlorobenzene
Concen: 52.67 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.01 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.8	26.0	39.0

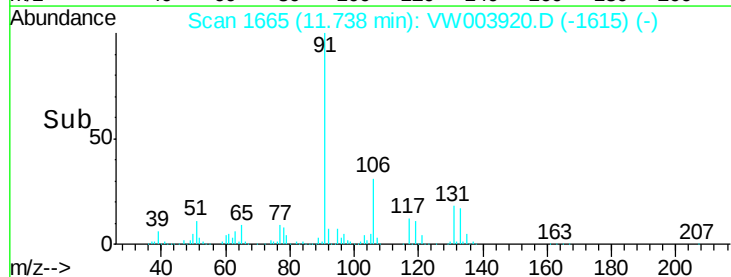
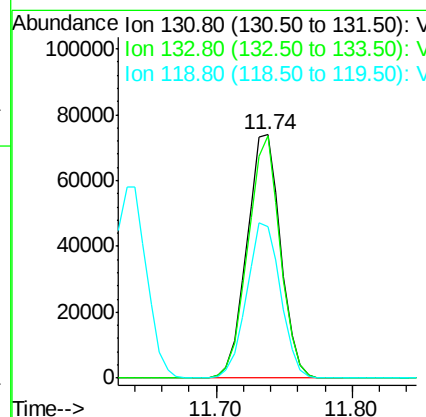
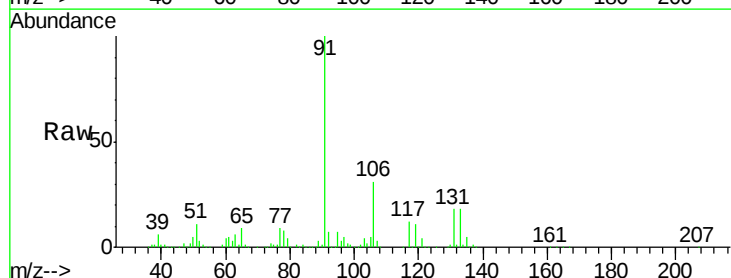
Manual Integrations
APPROVED

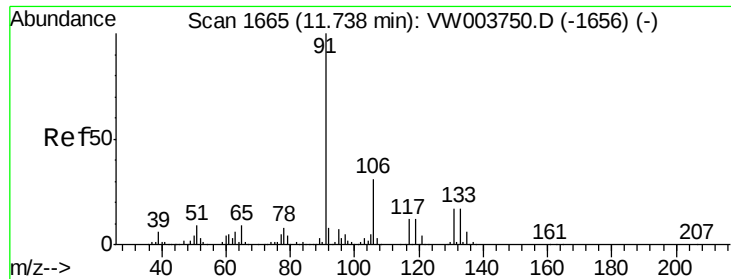
apatel
7/16/2018 10:43:36 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.35 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.01 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	48.0	144.2
119	64.3	33.2	99.6





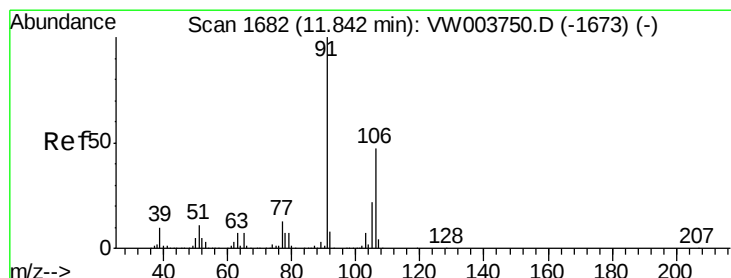
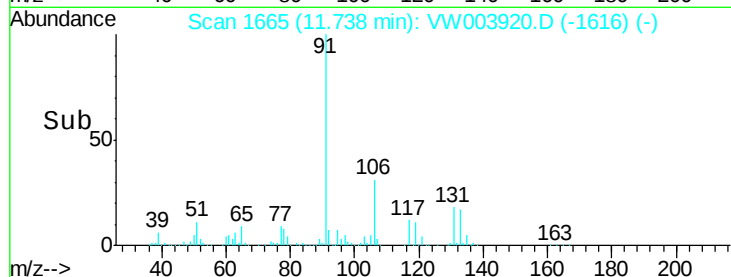
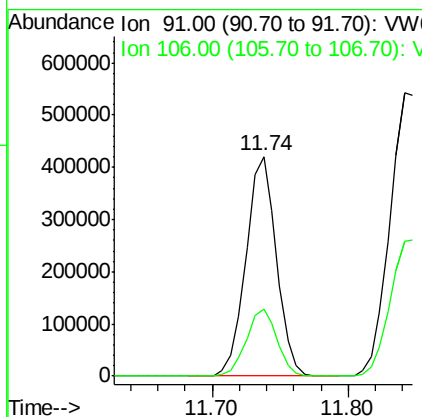
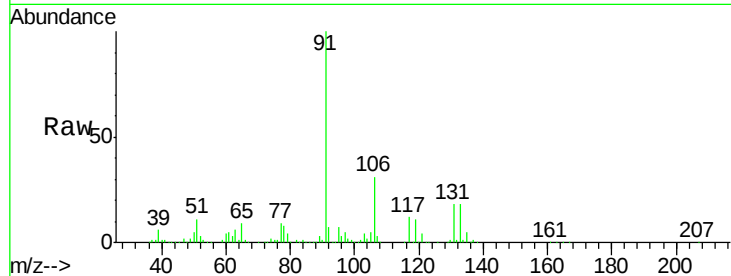
#67
Ethyl Benzene
Concen: 56.10 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 659098
Ion Ratio Lower Upper
91 100
106 30.6 24.6 37.0

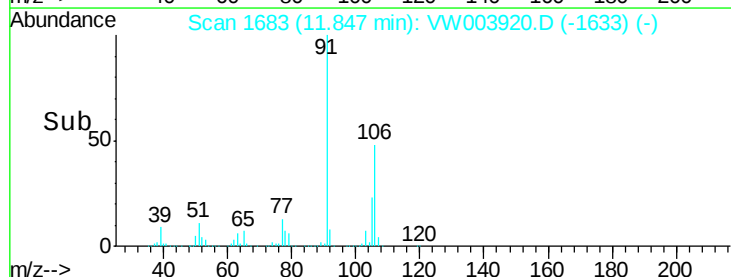
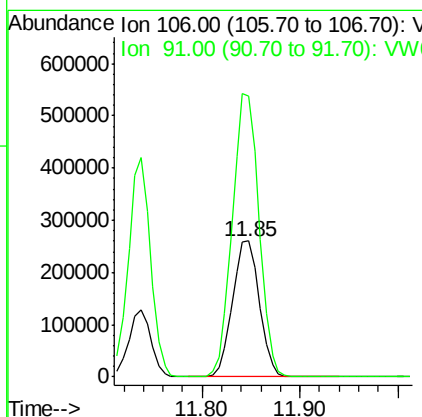
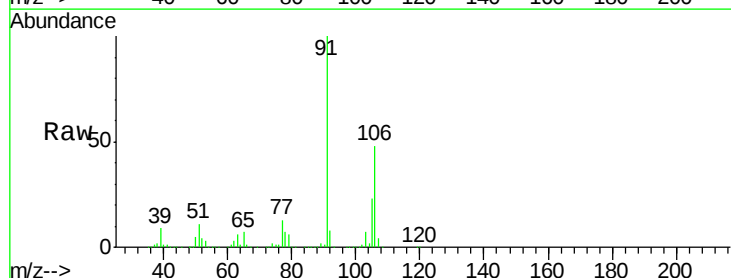
Manual Integrations
APPROVED

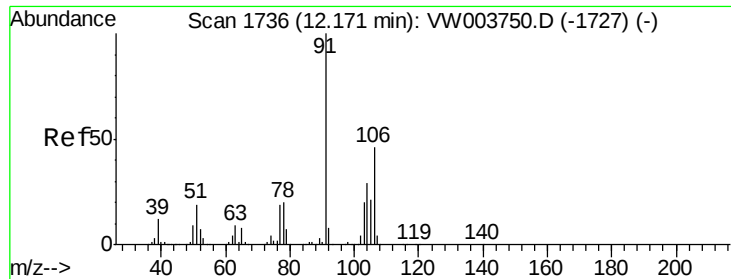
apatel
7/16/2018 10:43:36 AM



#68
m/p-Xylenes
Concen: 110.03 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion: 106 Resp: 494990
Ion Ratio Lower Upper
106 100
91 207.2 164.3 246.5





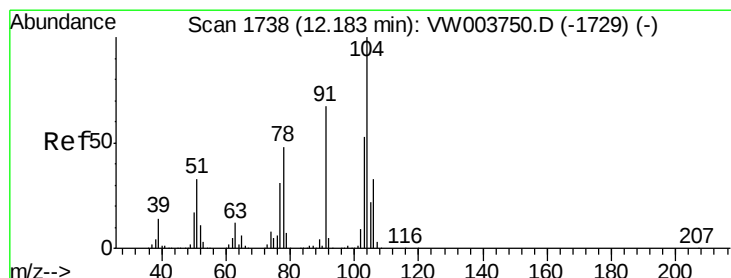
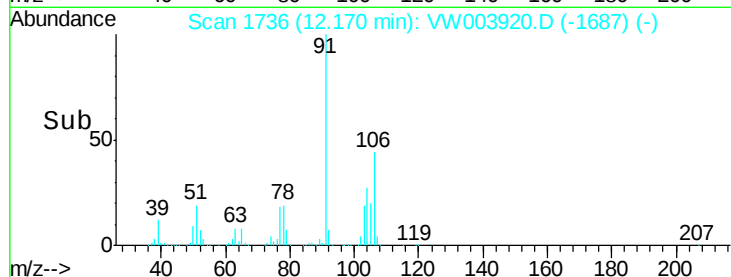
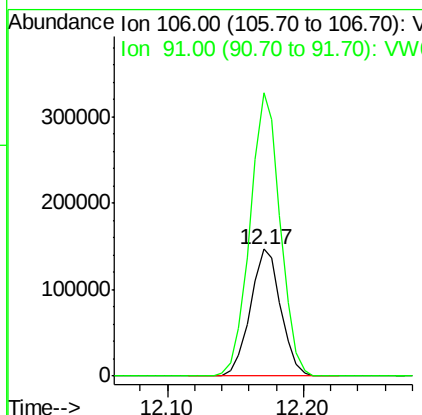
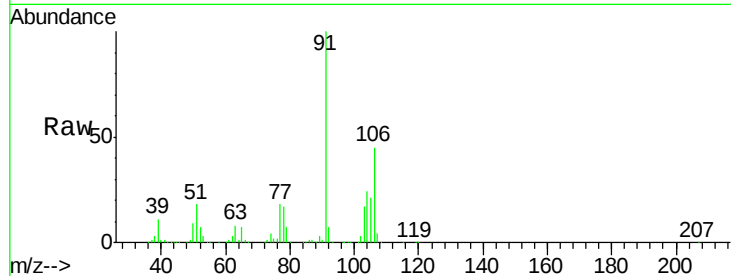
#69
o-Xylene
Concen: 55.41 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		230003		
91	222.0	109.1	327.2		

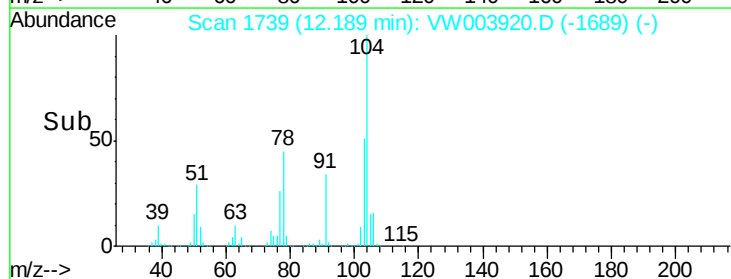
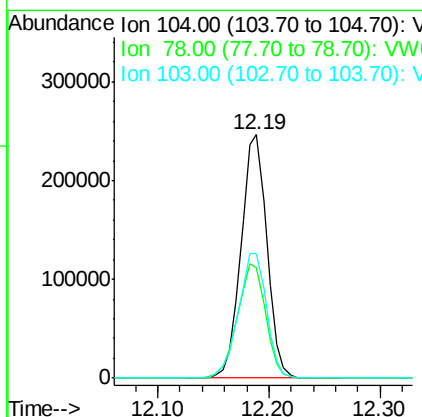
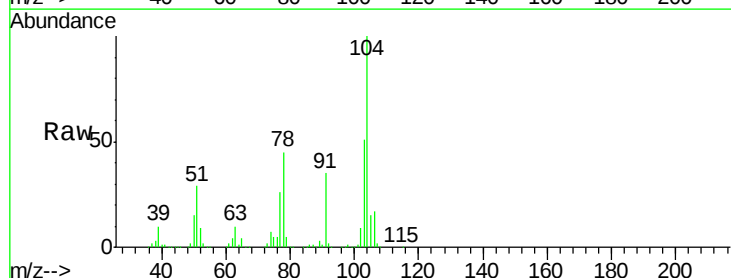
Manual Integrations
APPROVED

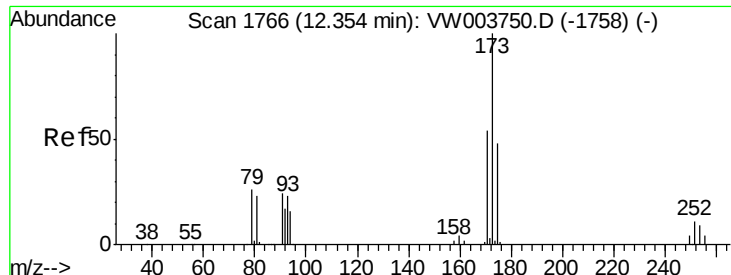
apatel
7/16/2018 10:43:36 AM



#70
Styrene
Concen: 56.15 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		396353		
78	51.3	41.1	61.7		
103	56.0	44.6	67.0		





#71

Bromoform

Concen: 51.20 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 67835

Ion Ratio Lower Upper

173 100

175 46.9 24.1 72.4

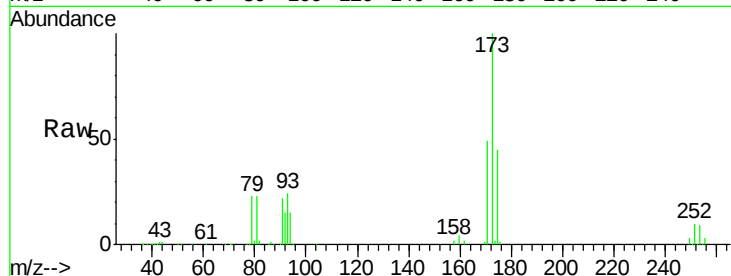
254 0.2 0.0 0.0#

Manual Integrations

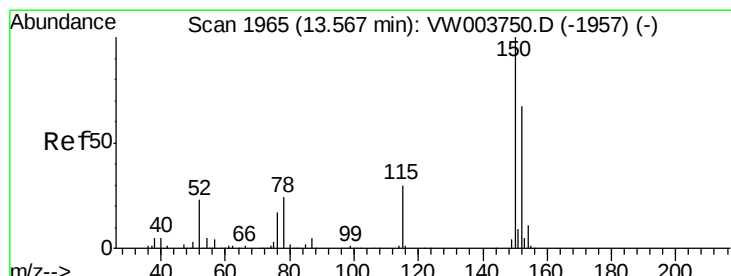
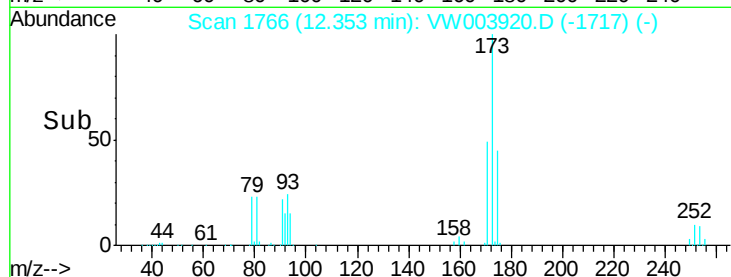
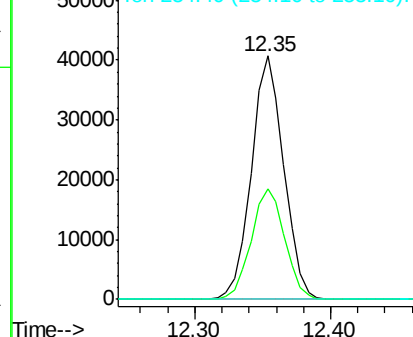
APPROVED

apatel

7/16/2018 10:43:36 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: VW003920.D

Acq: 13 Jul 2018 16:30

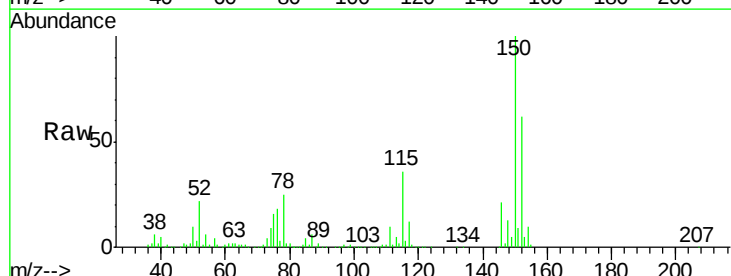
Tgt Ion:152 Resp: 164365

Ion Ratio Lower Upper

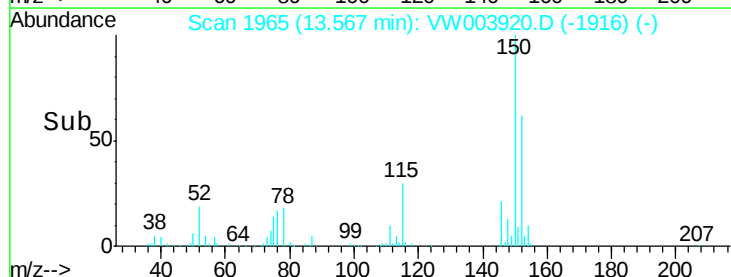
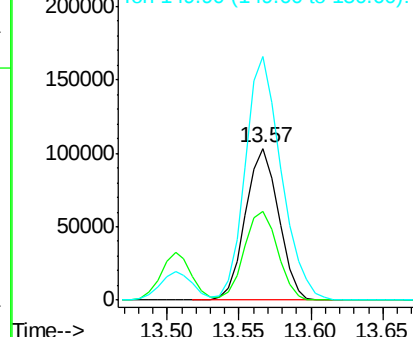
152 100

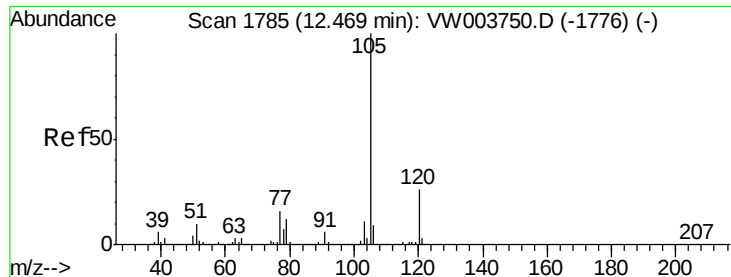
115 58.8 28.9 86.8

150 174.8 0.0 342.4



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





#73

Isopropylbenzene

Concen: 59.35 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 660621

Ion Ratio Lower Upper

105 100

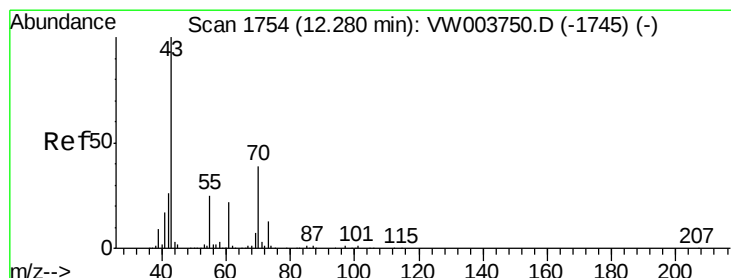
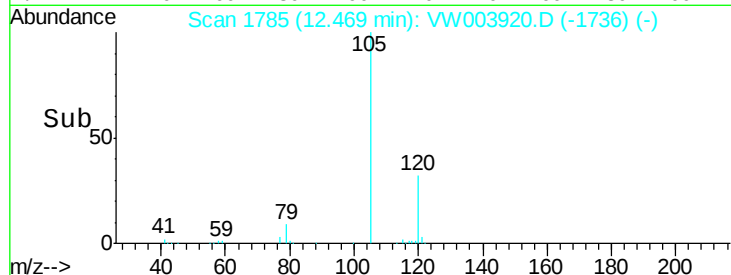
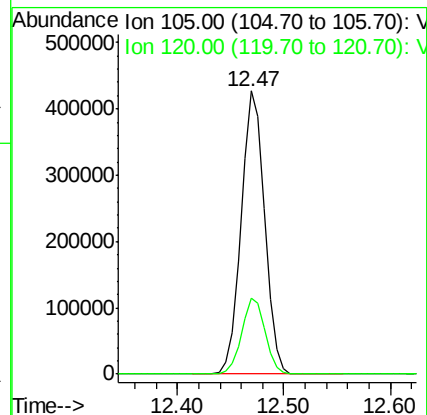
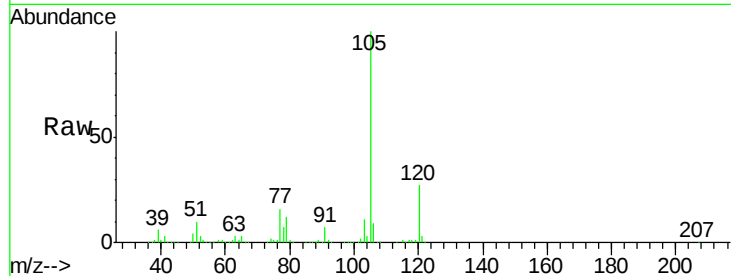
120 26.7 13.1 39.3

Manual Integrations

APPROVED

apatel

7/16/2018 10:43:36 AM



#74

N-ethyl acetate

Concen: 50.99 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Tgt Ion: 43 Resp: 153833

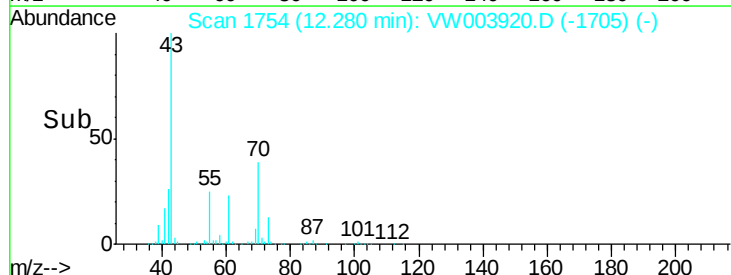
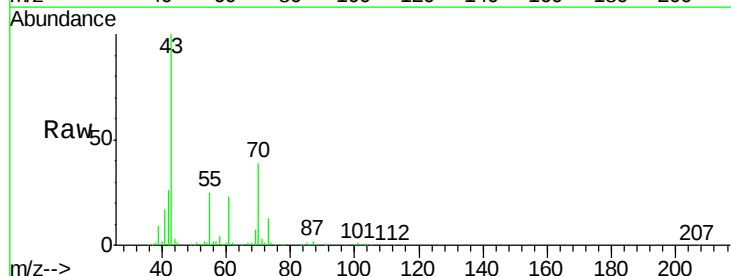
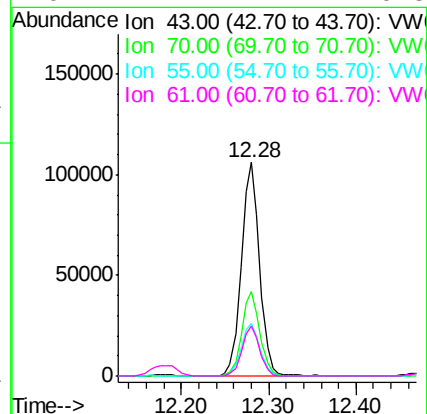
Ion Ratio Lower Upper

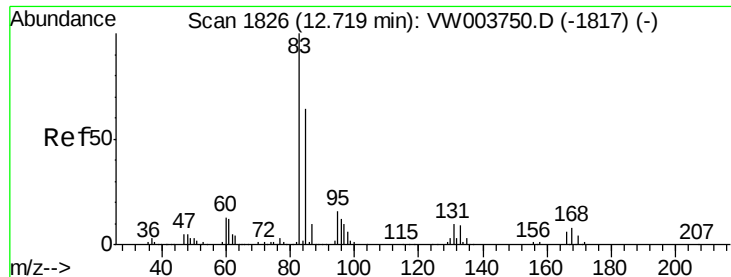
43 100

70 39.0 31.3 46.9

55 25.2 20.1 30.1

61 22.7 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 50.69 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

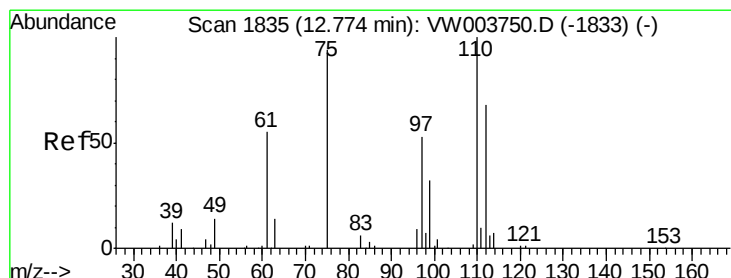
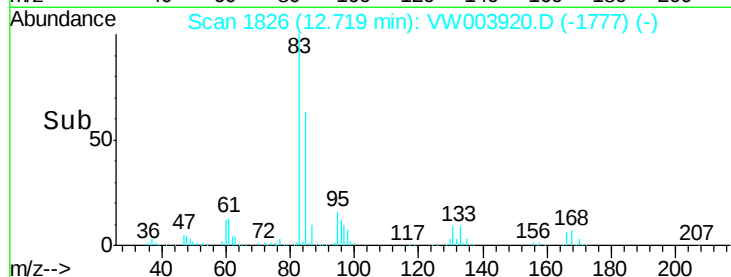
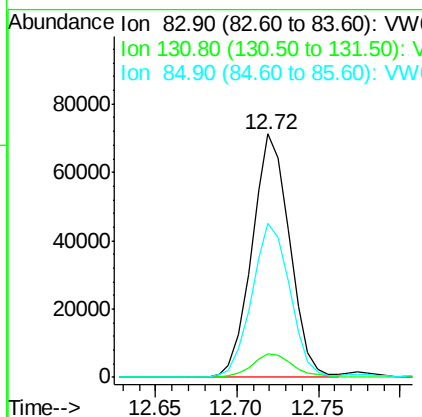
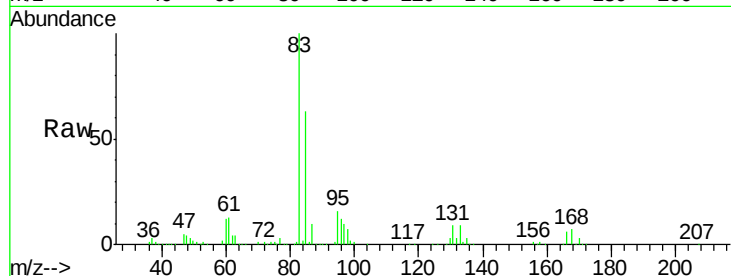
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	114375
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.4
85	64.1	32.1	96.3

Manual Integrations
APPROVED

apatel
7/16/2018 10:43:36 AM



#76

1,2,3-Trichloropropane

Concen: 58.06 ug/l m

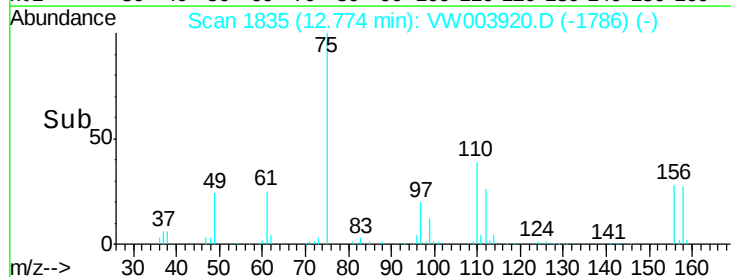
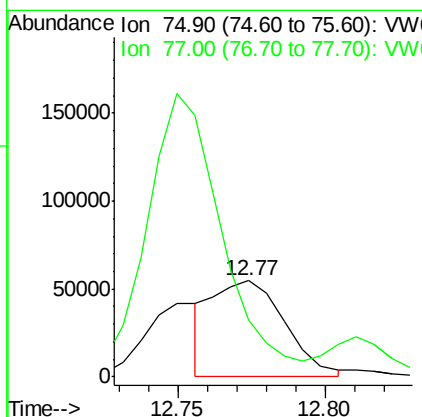
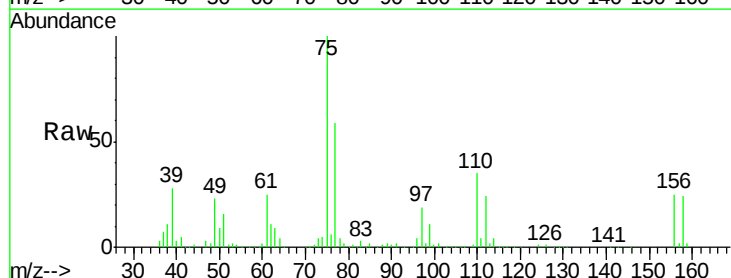
RT: 12.77 min Scan# 1835

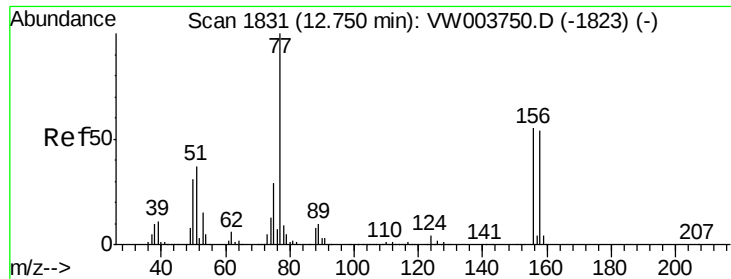
Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Tgt Ion:	75	Resp:	93705
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.82 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

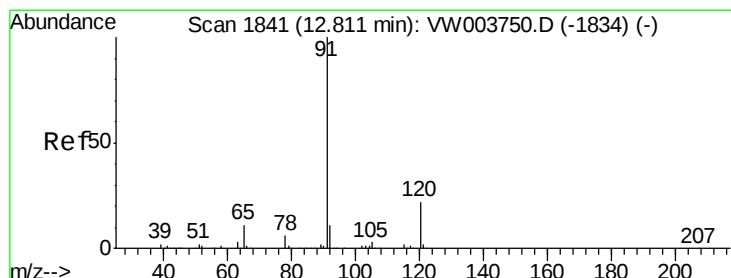
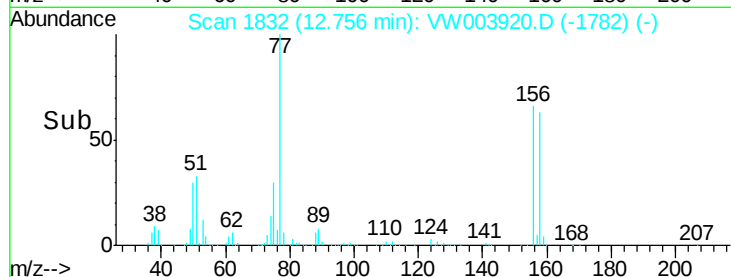
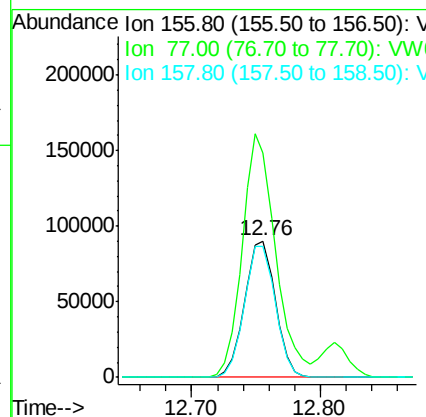
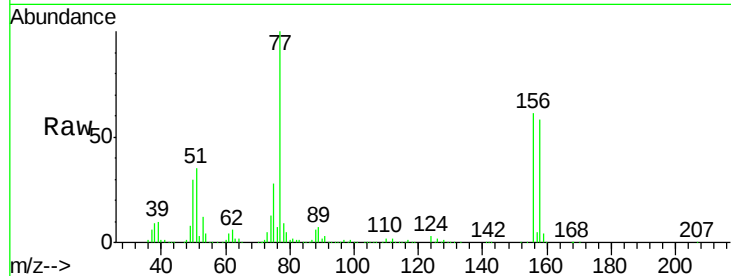
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	192.8	98.7	296.0
158	97.1	49.0	147.0

Manual Integrations
APPROVED

apatel
7/16/2018 10:43:36 AM



#78

n-propylbenzene

Concen: 59.22 ug/l

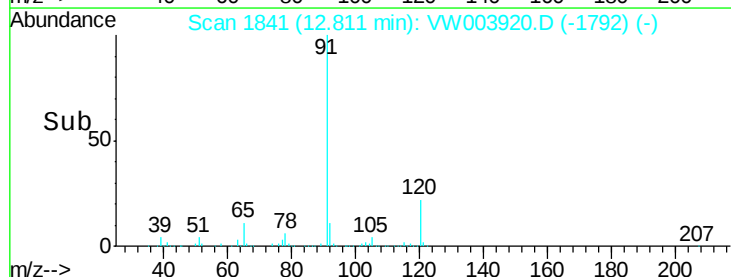
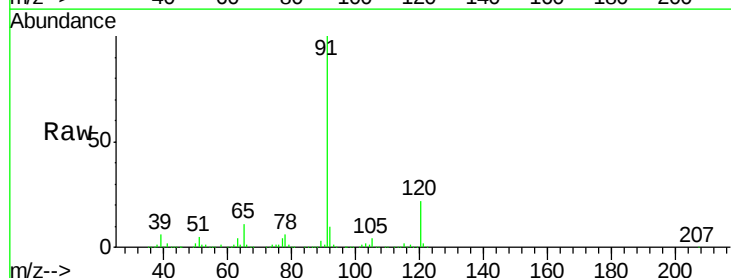
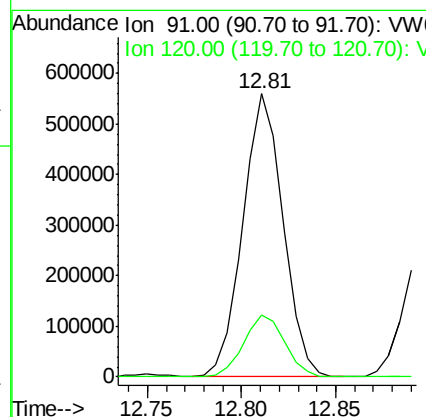
RT: 12.81 min Scan# 1841

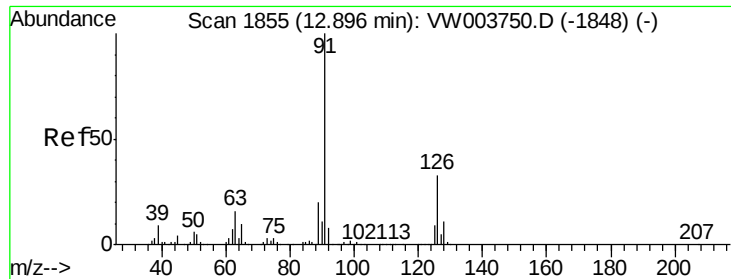
Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.6





#79

2-Chlorotoluene

Concen: 57.27 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 459732

Ion Ratio Lower Upper

91 100

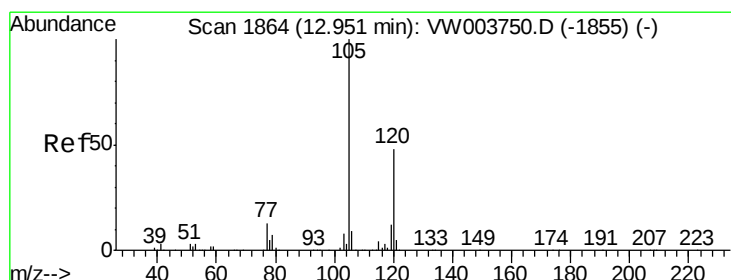
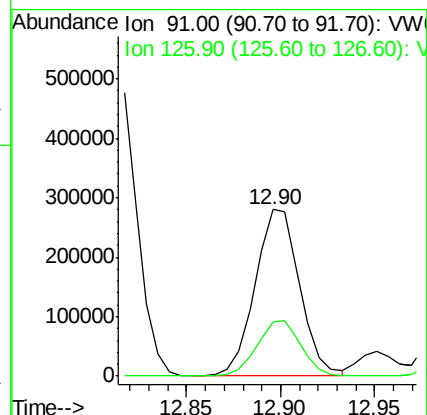
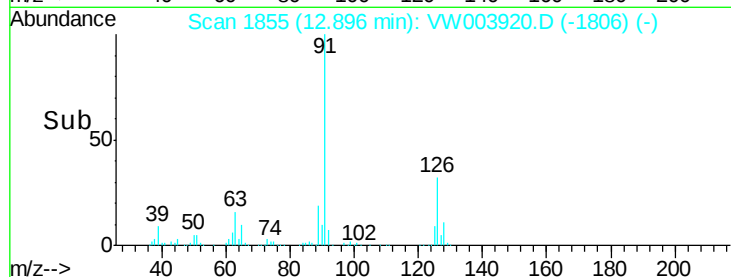
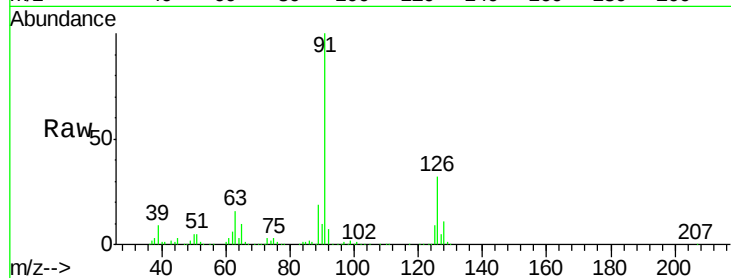
126 33.0 17.0 51.0

Manual Integrations

APPROVED

apatel

7/16/2018 10:43:36 AM



#80

1,3,5-Trimethylbenzene

Concen: 58.35 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW003920.D

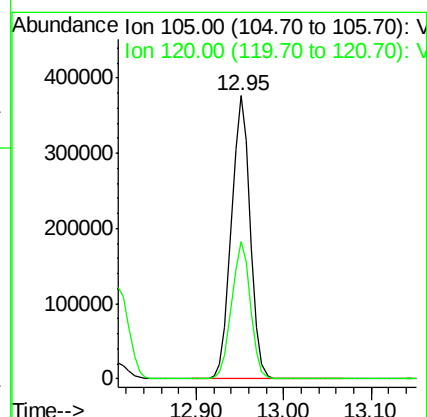
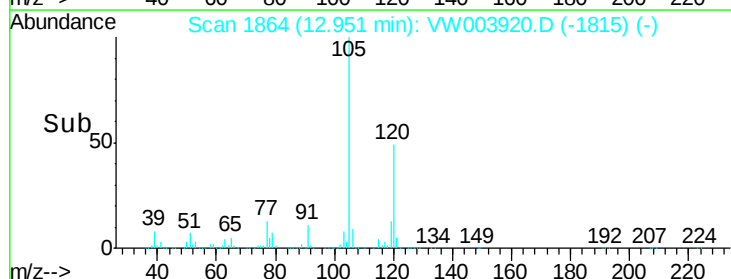
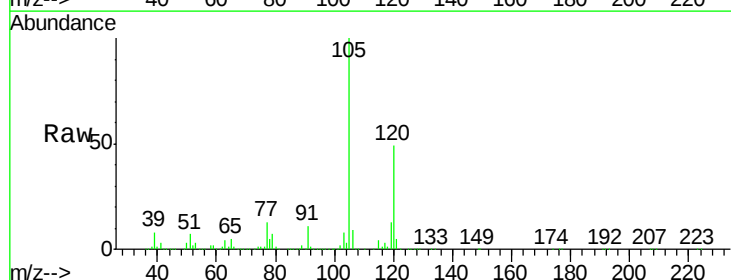
Acq: 13 Jul 2018 16:30

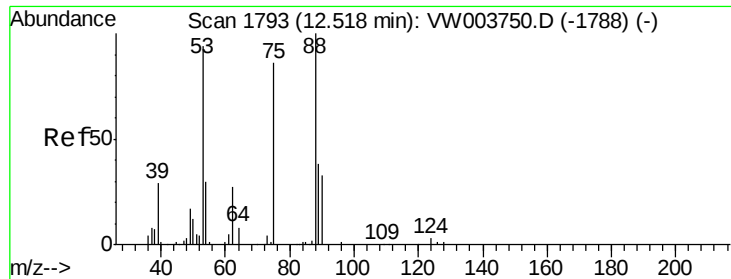
Tgt Ion:105 Resp: 559841

Ion Ratio Lower Upper

105 100

120 48.7 24.2 72.6





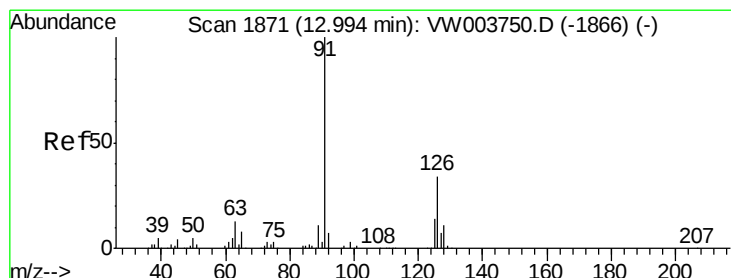
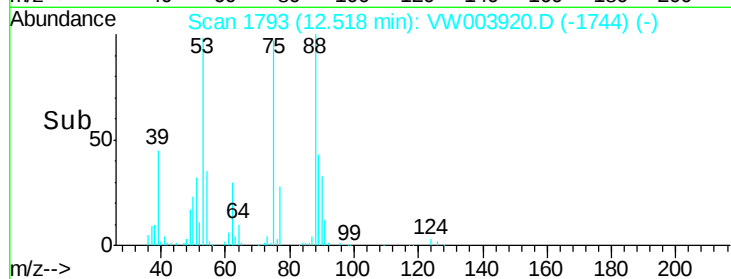
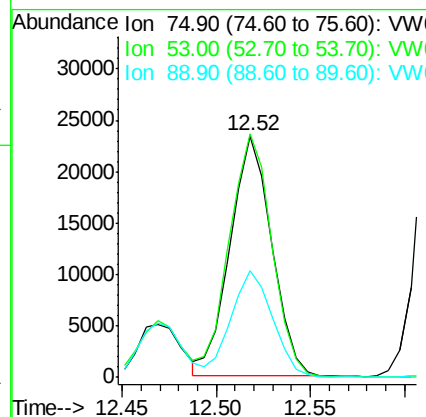
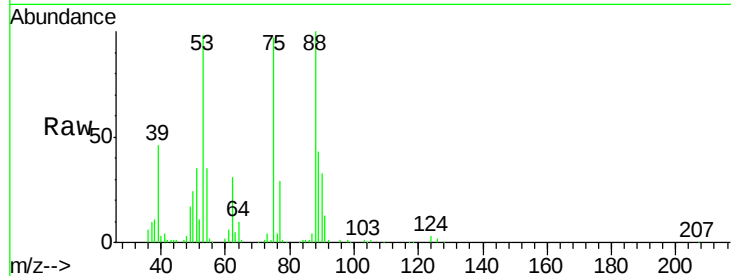
#81
trans-1,4-Dichloro-2-butene
Concen: 54.33 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.0	85.0	127.6
89	44.3	36.3	54.5

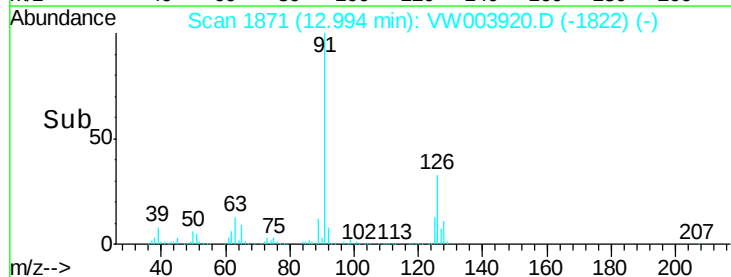
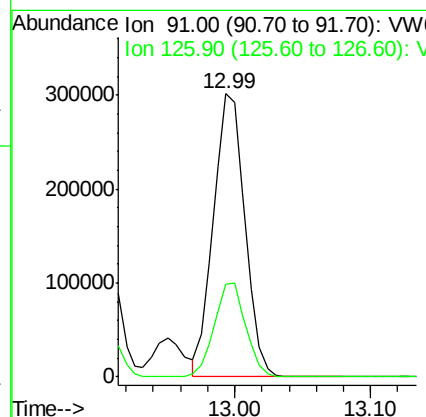
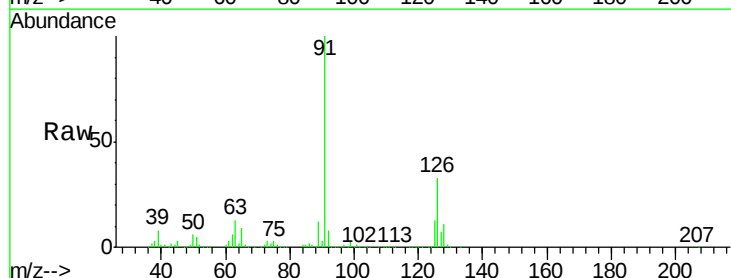
Manual Integrations
APPROVED

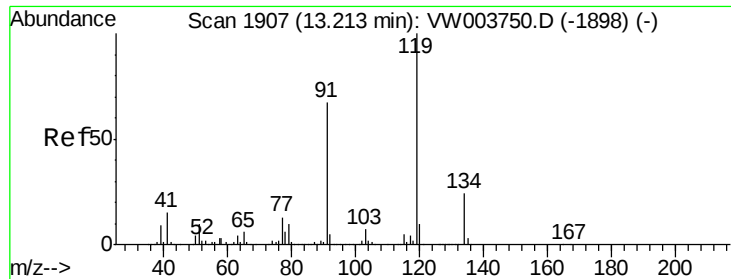
apatel
7/16/2018 10:43:36 AM



#82
4-Chlorotoluene
Concen: 55.72 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.5	49.5





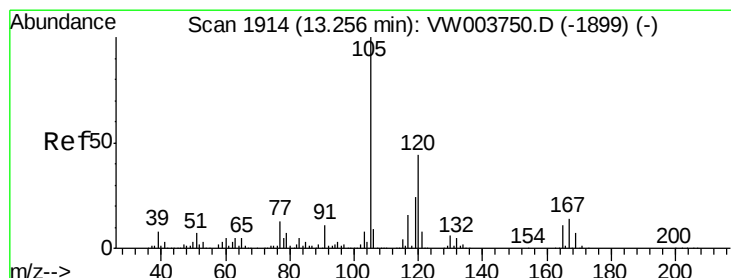
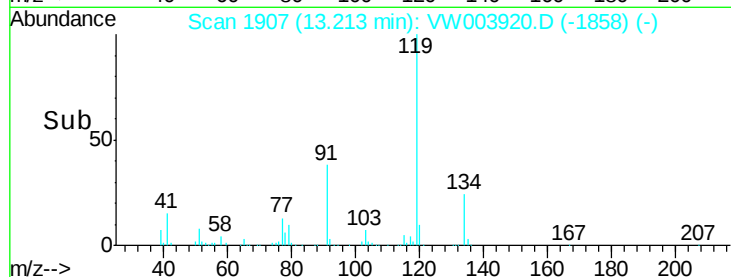
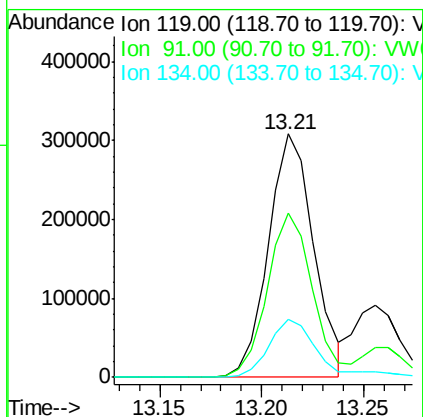
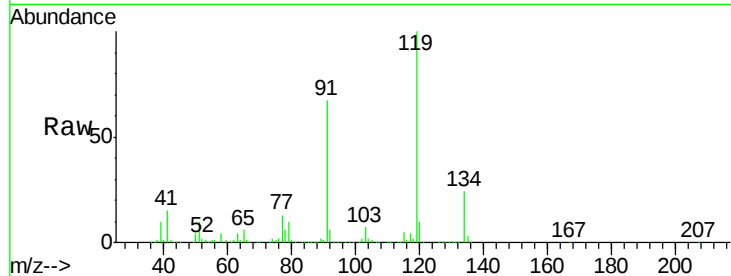
#83
tert-Butylbenzene
Concen: 60.30 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	33.0	98.9
134	24.0	12.8	38.4

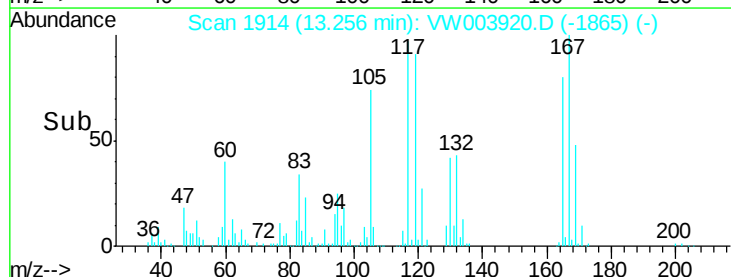
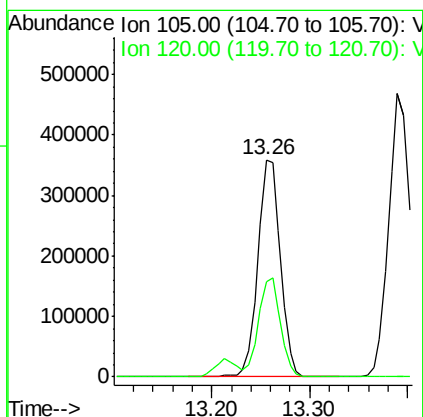
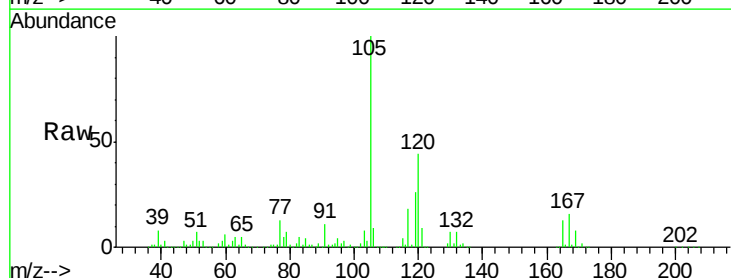
Manual Integrations
APPROVED

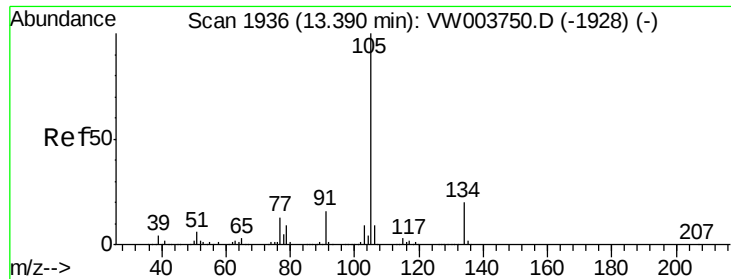
apatel
7/16/2018 10:43:36 AM



#84
1,2,4-Trimethylbenzene
Concen: 57.40 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.0	66.0





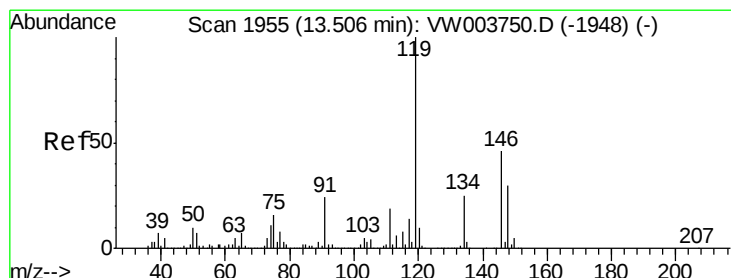
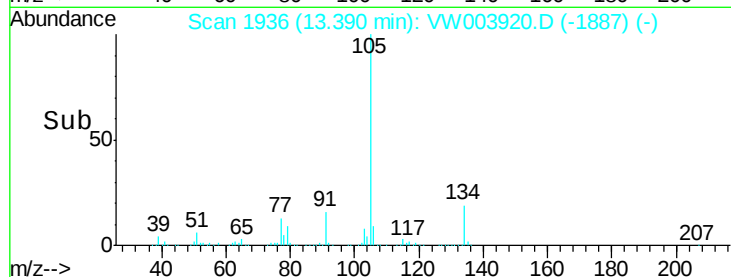
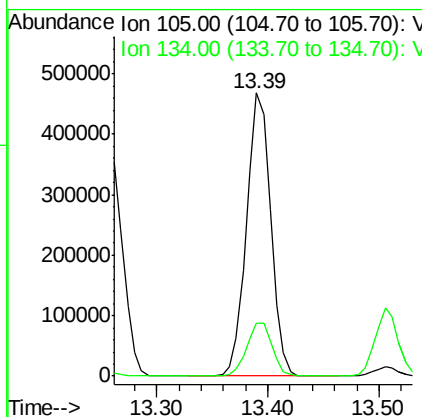
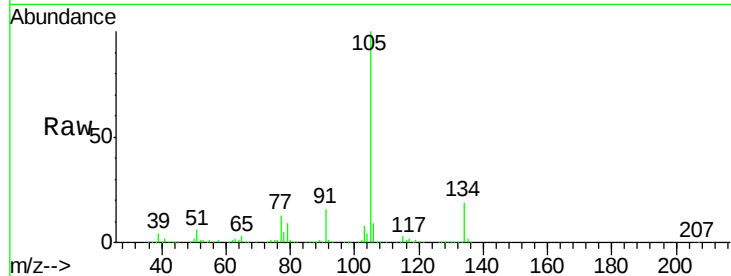
#85
 sec-Butylbenzene
 Concen: 59.96 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.4

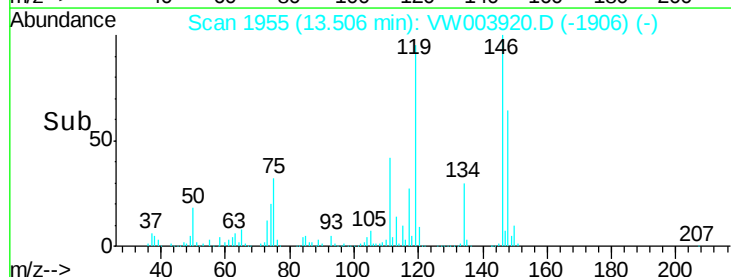
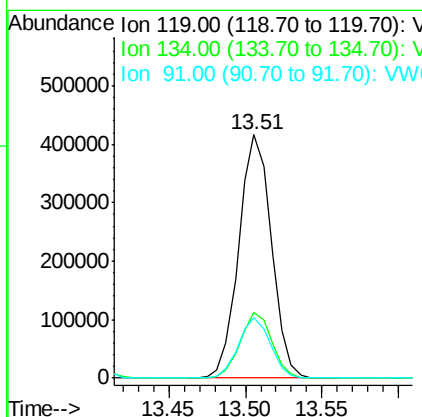
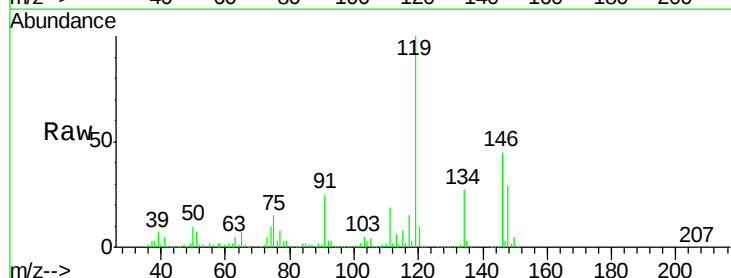
Manual Integrations
 APPROVED

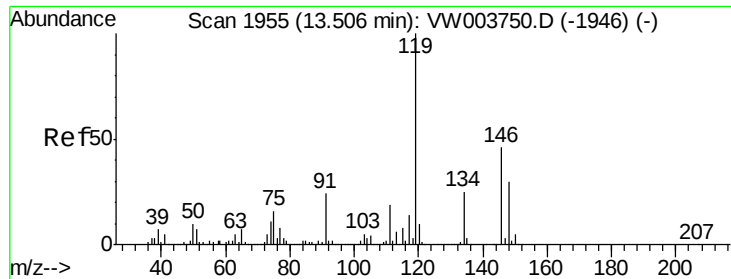
apatel
 7/16/2018 10:43:36 AM



#86
 p-Isopropyltoluene
 Concen: 59.48 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.1	39.1
91	24.2	11.9	35.9





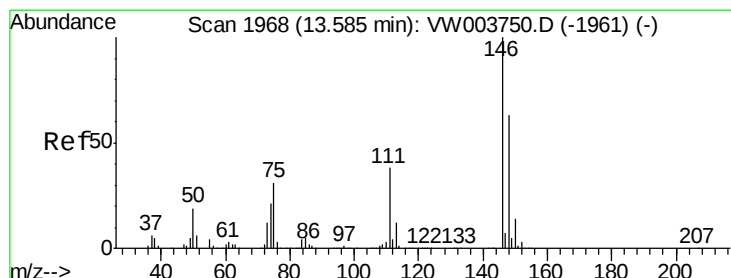
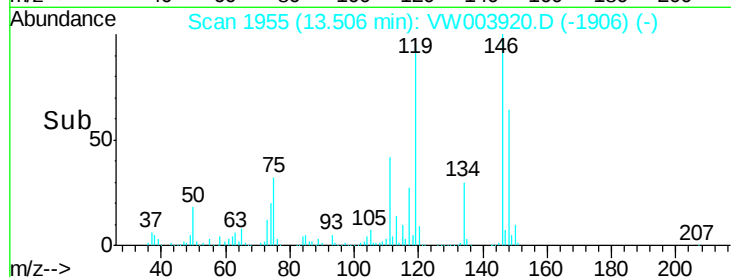
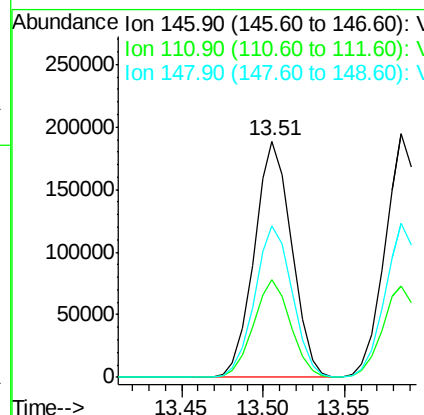
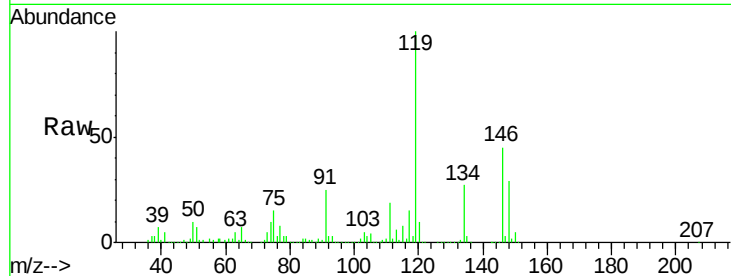
#87
 1,3-Dichlorobenzene
 Concen: 53.68 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	300551		
111	40.7	20.2	60.5	
148	64.1	31.9	95.7	

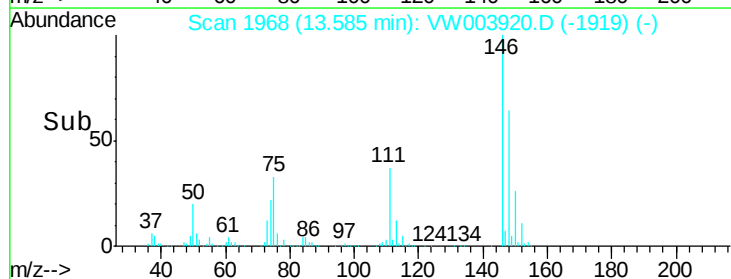
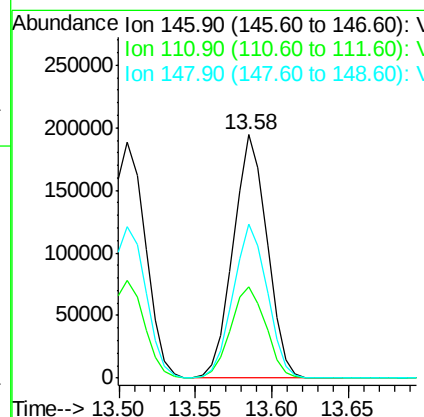
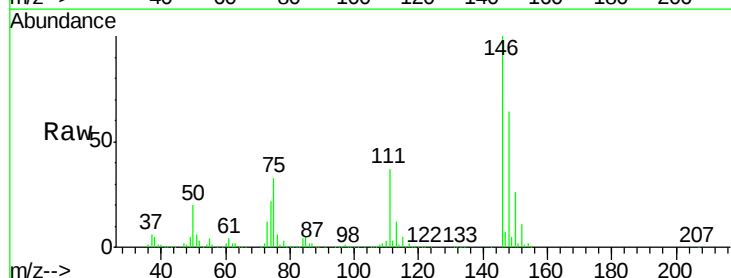
Manual Integrations
 APPROVED

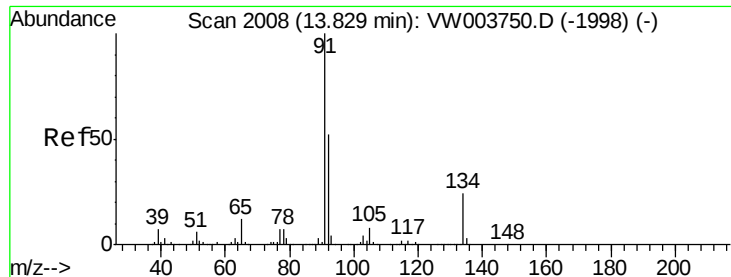
apatel
 7/16/2018 10:43:36 AM



#88
 1,4-Dichlorobenzene
 Concen: 53.05 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	298666		
111	38.8	19.4	58.4	
148	63.8	31.9	95.7	





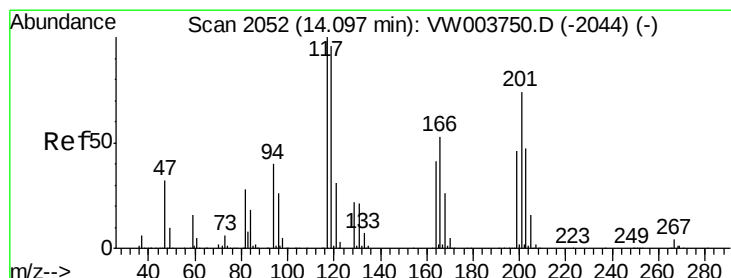
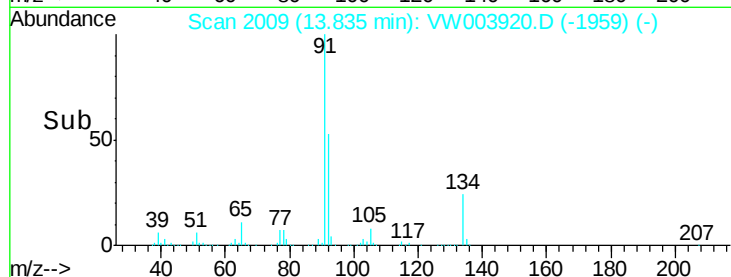
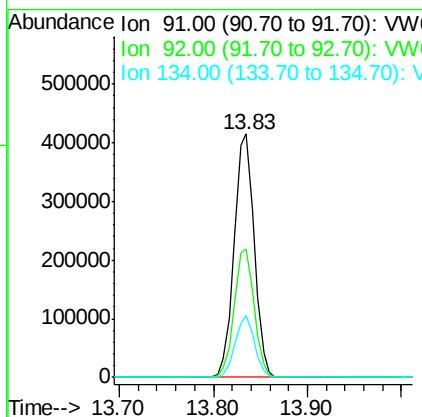
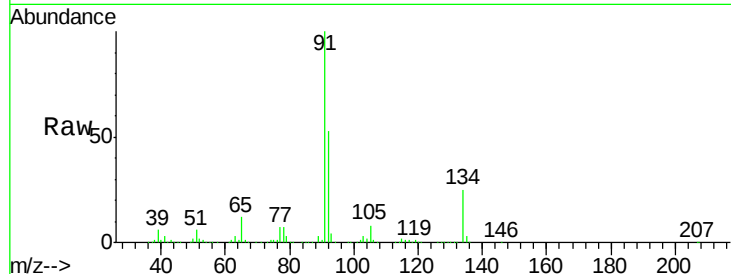
#89
n-Butylbenzene
Concen: 59.97 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. 0.01 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.1	78.3
134	24.6	12.4	37.4

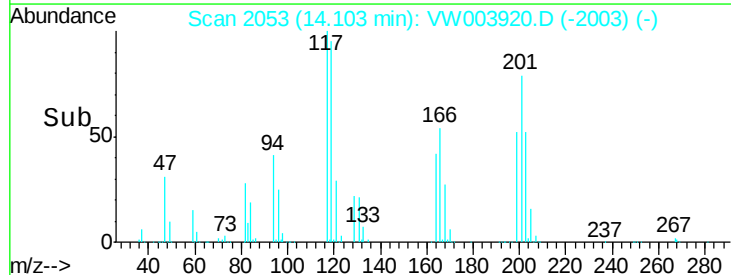
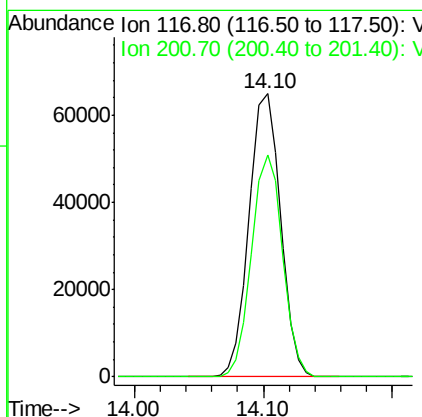
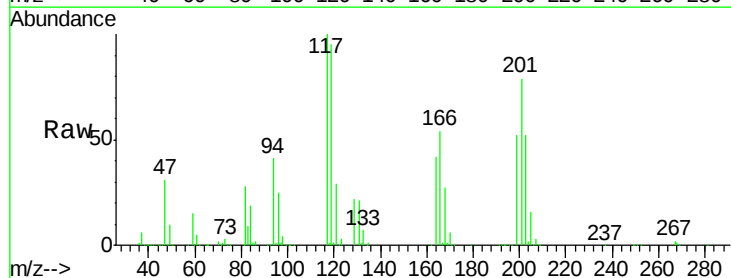
Manual Integrations
APPROVED

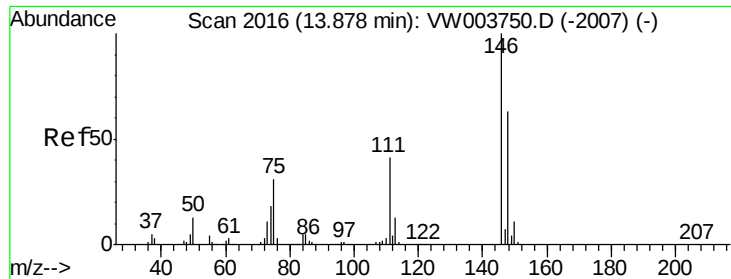
apatel
7/16/2018 10:43:36 AM



#90
Hexachloroethane
Concen: 55.12 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.01 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.2	39.2	117.6





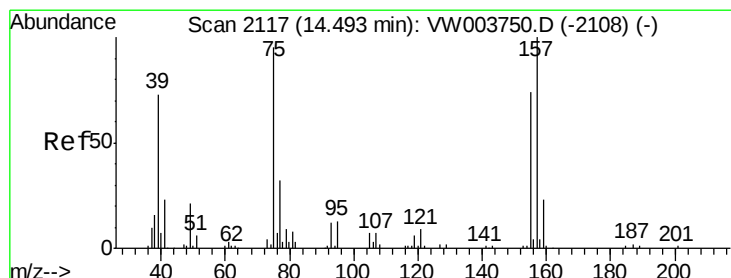
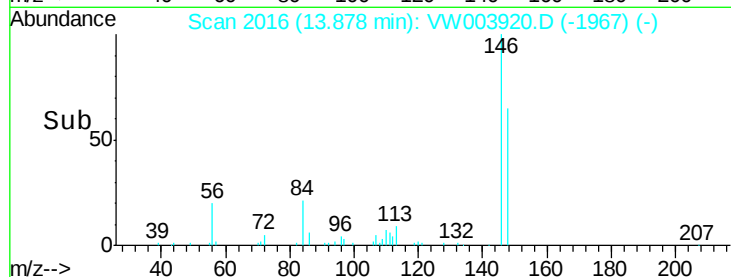
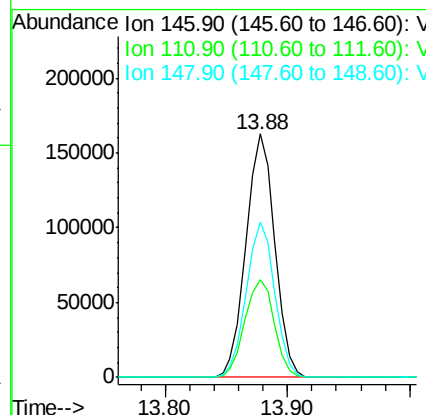
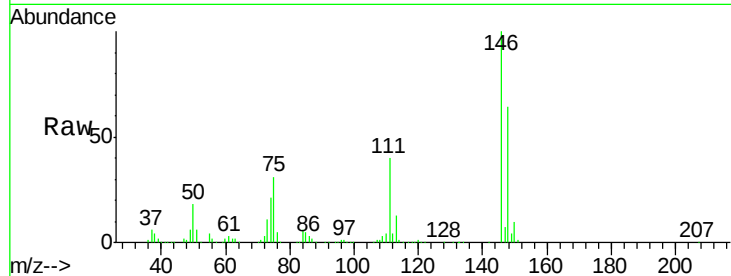
#91
 1,2-Dichlorobenzene
 Concen: 52.88 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.7	62.1
148	63.0	31.9	95.9

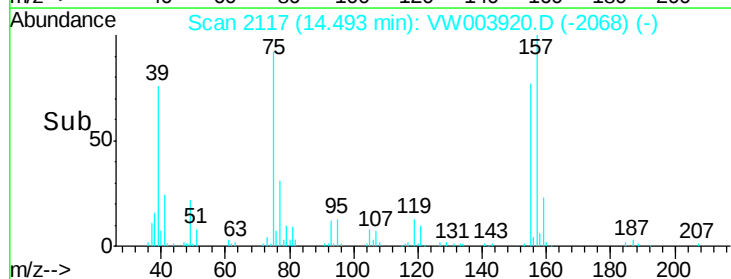
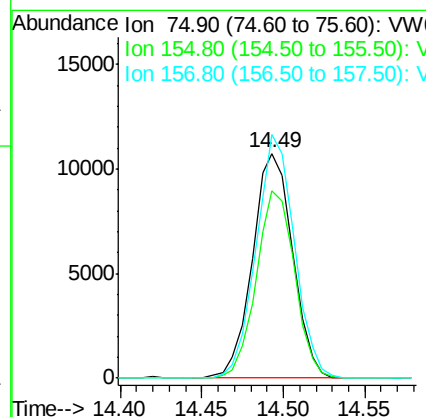
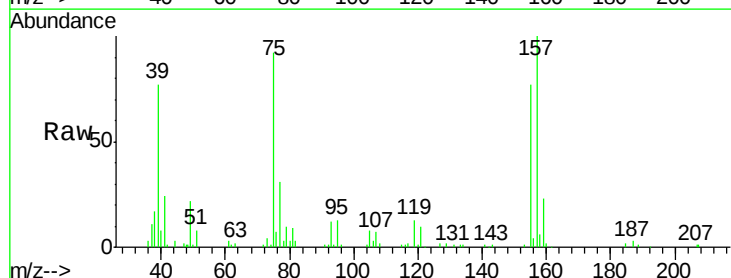
Manual Integrations
 APPROVED

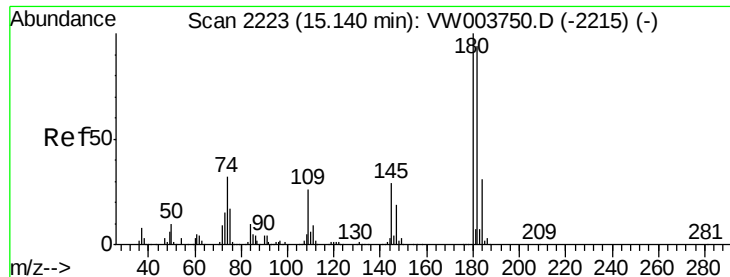
apatel
 7/16/2018 10:43:36 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.03 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.2	39.2	117.6
157	103.3	50.7	152.1





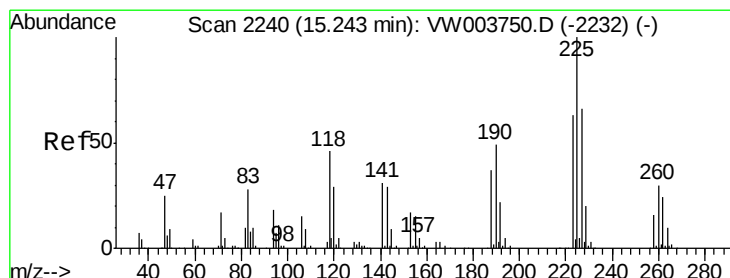
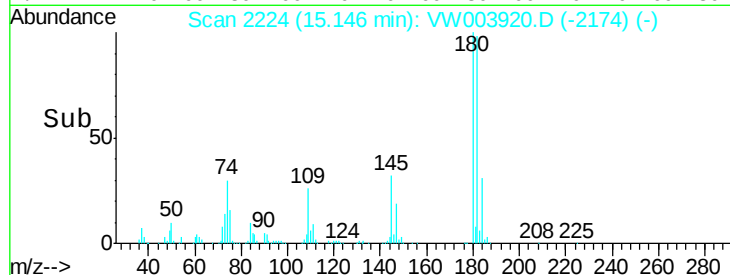
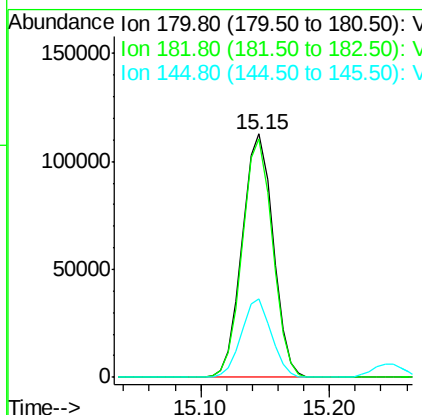
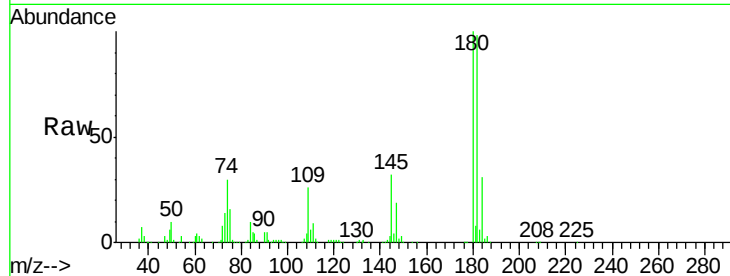
#93
 1,2,4-Trichlorobenzene
 Concen: 54.76 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.01 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	186801		
182	96.1	47.4	142.2	
145	31.2	15.0	45.0	

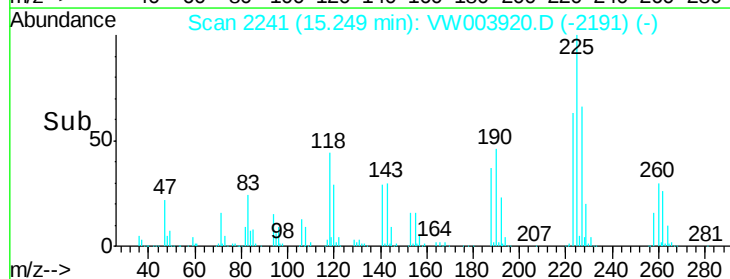
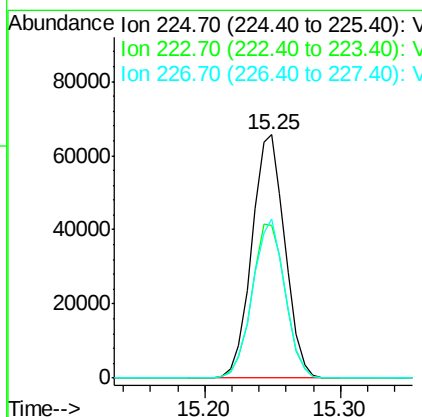
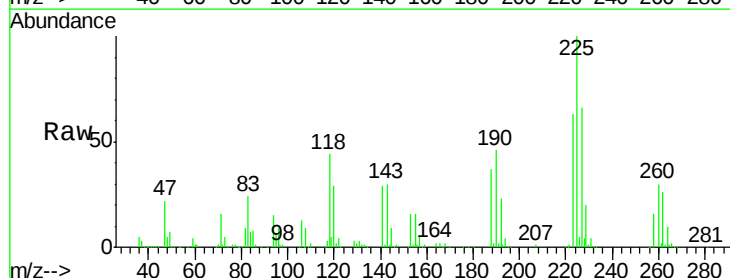
Manual Integrations
 APPROVED

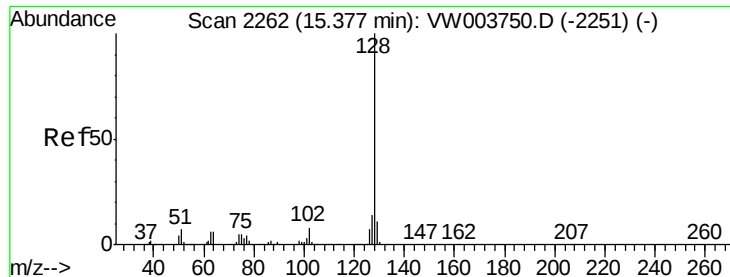
apatel
 7/16/2018 10:43:36 AM



#94
 Hexachlorobutadiene
 Concen: 57.18 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.01 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	111559		
223	64.2	32.6	97.7	
227	63.9	32.5	97.5	





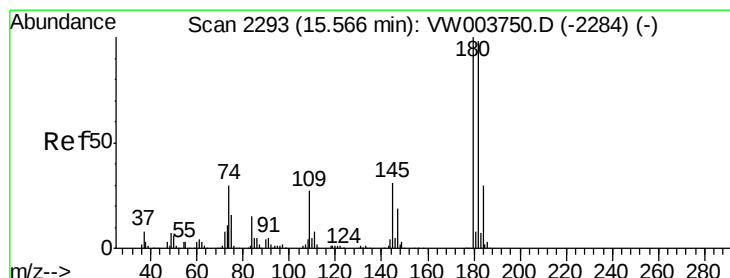
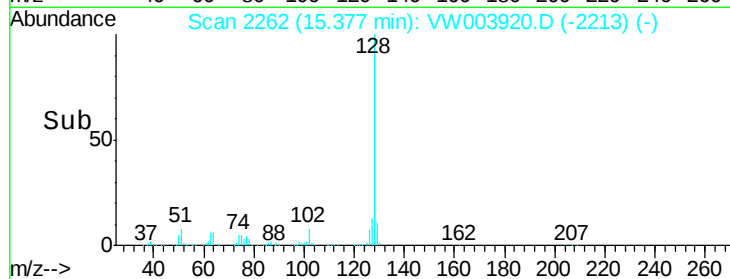
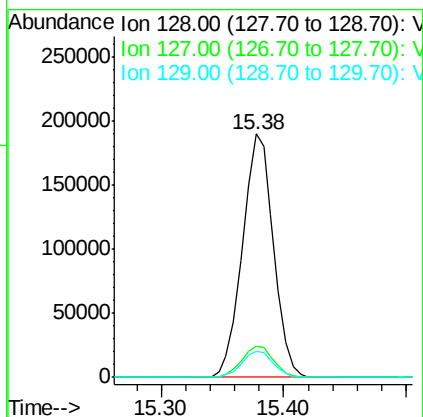
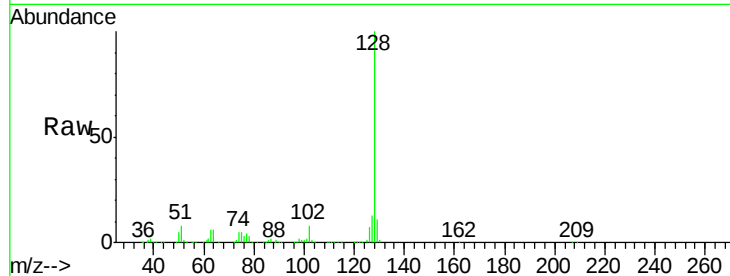
#95
Naphthalene
Concen: 54.73 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.8	16.2
129	10.9	8.6	13.0

Manual Integrations
APPROVED

apatel
7/16/2018 10:43:36 AM



#96
1,2,3-Trichlorobenzene
Concen: 55.10 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.4	142.3
145	31.3	15.8	47.4

