

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111218\
 Data File : VW006824.D
 Acq On : 13 Nov 2018 00:36
 Operator : SY/AP
 Sample : VW1112SBSD02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBSD02

Manual Integrations
 APPROVED

apatel
 11/13/2018 3:57:49 PM

Quant Time: Nov 13 03:28:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 14:58:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	279141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	389057	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	376359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	216888	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	105062	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
35) Dibromofluoromethane	7.88	113	108877	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	
50) Toluene-d8	10.33	98	433301	45.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.24%	
62) 4-Bromofluorobenzene	12.62	95	161974	45.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.60%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.00	85	51543	22.367 ug/l	98
3) Chloromethane	2.21	50	61740	23.765 ug/l	98
4) Vinyl Chloride	2.36	62	62556	22.431 ug/l	99
5) Bromomethane	2.77	94	42054	22.414 ug/l	98
6) Chloroethane	2.92	64	39852	22.145 ug/l	100
7) Trichlorofluoromethane	3.26	101	77908	21.164 ug/l	97
8) Diethyl Ether	3.69	74	25326	23.445 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	50990	20.427 ug/l	98
10) Methyl Iodide	4.28	142	69117	19.757 ug/l	100
11) Tert butyl alcohol	5.21	59	18349	136.984 ug/l #	72
12) 1,1-Dichloroethene	4.04	96	44224	20.975 ug/l	96
13) Acrolein	3.90	56	17046	121.675 ug/l	100
14) Allyl chloride	4.67	41	58993	21.273 ug/l	98
15) Acrylonitrile	5.38	53	47820	116.893 ug/l	100
16) Acetone	4.15	43	35656	121.668 ug/l	96
17) Carbon Disulfide	4.39	76	141188	21.174 ug/l	98
18) Methyl Acetate	4.69	43	23052	22.996 ug/l	99
19) Methyl tert-butyl Ether	5.43	73	121079	24.188 ug/l	99
20) Methylene Chloride	4.92	84	61885	20.086 ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	52737	21.208 ug/l	99
22) Diisopropyl ether	6.32	45	134923	23.426 ug/l	98
23) Vinyl Acetate	6.26	43	384383	118.388 ug/l	98
24) 1,1-Dichloroethane	6.23	63	83800	21.939 ug/l	99
25) 2-Butanone	7.18	43	59538	120.130 ug/l	98
26) 2,2-Dichloropropane	7.18	77	74068	19.272 ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	58575	22.095 ug/l	100
28) Bromochloromethane	7.52	49	31488	23.567 ug/l	97
29) Tetrahydrofuran	7.54	42	36732	115.811 ug/l	99
30) Chloroform	7.68	83	92587	22.200 ug/l	99
31) Cyclohexane	7.96	56	82826	21.183 ug/l	97
32) 1,1,1-Trichloroethane	7.88	97	88456	21.973 ug/l	99
36) 1,1-Dichloropropene	8.09	75	77095	21.175 ug/l	99
37) Ethyl Acetate	7.26	43	27380	22.998 ug/l	98
38) Carbon Tetrachloride	8.07	117	79572	20.109 ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111218\
 Data File : VW006824.D
 Acq On : 13 Nov 2018 00:36
 Operator : SY/AP
 Sample : VW1112SBS02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VW1112SBS02

Manual Integrations
 APPROVED

apatel
 11/13/2018 3:57:49 PM

Quant Time: Nov 13 03:28:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 14:58:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	89452	18.937	ug/l	98
40) Benzene	8.33	78	214196	21.157	ug/l	100
41) Methacrylonitrile	7.49	41	16481	22.546	ug/l	93
42) 1,2-Dichloroethane	8.40	62	59798	22.046	ug/l	99
43) Isopropyl Acetate	8.43	43	51853	22.395	ug/l	99
44) Trichloroethene	9.10	130	67748	21.208	ug/l	98
45) 1,2-Dichloropropane	9.37	63	52547	22.270	ug/l	99
46) Dibromomethane	9.46	93	28985	22.068	ug/l	97
47) Bromodichloromethane	9.65	83	71920	22.076	ug/l	99
48) Methyl methacrylate	9.44	41	23270	20.499	ug/l	93
49) 1,4-Dioxane	9.47	88	8711	438.985	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	129782	111.785	ug/l	98
52) Toluene	10.39	92	147532	20.556	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	67739	21.121	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	80794	21.245	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	43926	22.538	ug/l	98
56) Ethyl methacrylate	10.65	69	44937	21.038	ug/l	99
57) 1,3-Dichloropropane	10.93	76	69963	22.667	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	123658	115.592	ug/l	99
59) 2-Hexanone	10.97	43	86606	108.148	ug/l	100
60) Dibromochloromethane	11.13	129	51576	21.626	ug/l	99
61) 1,2-Dibromoethane	11.24	107	41359	22.344	ug/l	98
64) Tetrachloroethene	10.87	164	62239	20.636	ug/l	99
65) Chlorobenzene	11.66	112	170894	20.468	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	57849	21.352	ug/l	99
67) Ethyl Benzene	11.74	91	282502	19.847	ug/l	98
68) m/p-Xylenes	11.85	106	236669	40.637	ug/l	99
69) o-Xylene	12.17	106	108843	20.081	ug/l	97
70) Styrene	12.18	104	176977	20.400	ug/l	100
71) Bromoform	12.35	173	31320	21.182	ug/l #	100
73) Isopropylbenzene	12.47	105	293089	19.468	ug/l	99
74) N-amyl acetate	12.27	43	48113	21.136	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	45251	21.728	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	33582m	21.485	ug/l	
77) Bromobenzene	12.75	156	78469	20.674	ug/l	100
78) n-propylbenzene	12.81	91	350025	19.699	ug/l	99
79) 2-Chlorotoluene	12.90	91	201492	20.212	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	256745	19.838	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	11970	18.943	ug/l	97
82) 4-Chlorotoluene	12.99	91	213528	20.075	ug/l	100
83) tert-Butylbenzene	13.21	119	222357	19.437	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	266246	20.215	ug/l	99
85) sec-Butylbenzene	13.39	105	310236	19.137	ug/l	100
86) p-Isopropyltoluene	13.51	119	287491	19.497	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	156177	20.189	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	155018	20.254	ug/l	99
89) n-Butylbenzene	13.83	91	257608	19.116	ug/l	98
90) Hexachloroethane	14.10	117	45836	19.427	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	137844	20.461	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6791	20.367	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW111218\
Data File : VW006824.D
Acq On : 13 Nov 2018 00:36
Operator : SY/AP
Sample : VW1112SBSD02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD02

Manual Integrations
APPROVED

apatel
11/13/2018 3:57:49 PM

Quant Time: Nov 13 03:28:55 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 12 14:58:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	100552	19.769	ug/l	99
94) Hexachlorobutadiene	15.24	225	60172	18.670	ug/l	99
95) Naphthalene	15.38	128	152284	20.019	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	86665	19.855	ug/l	99

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

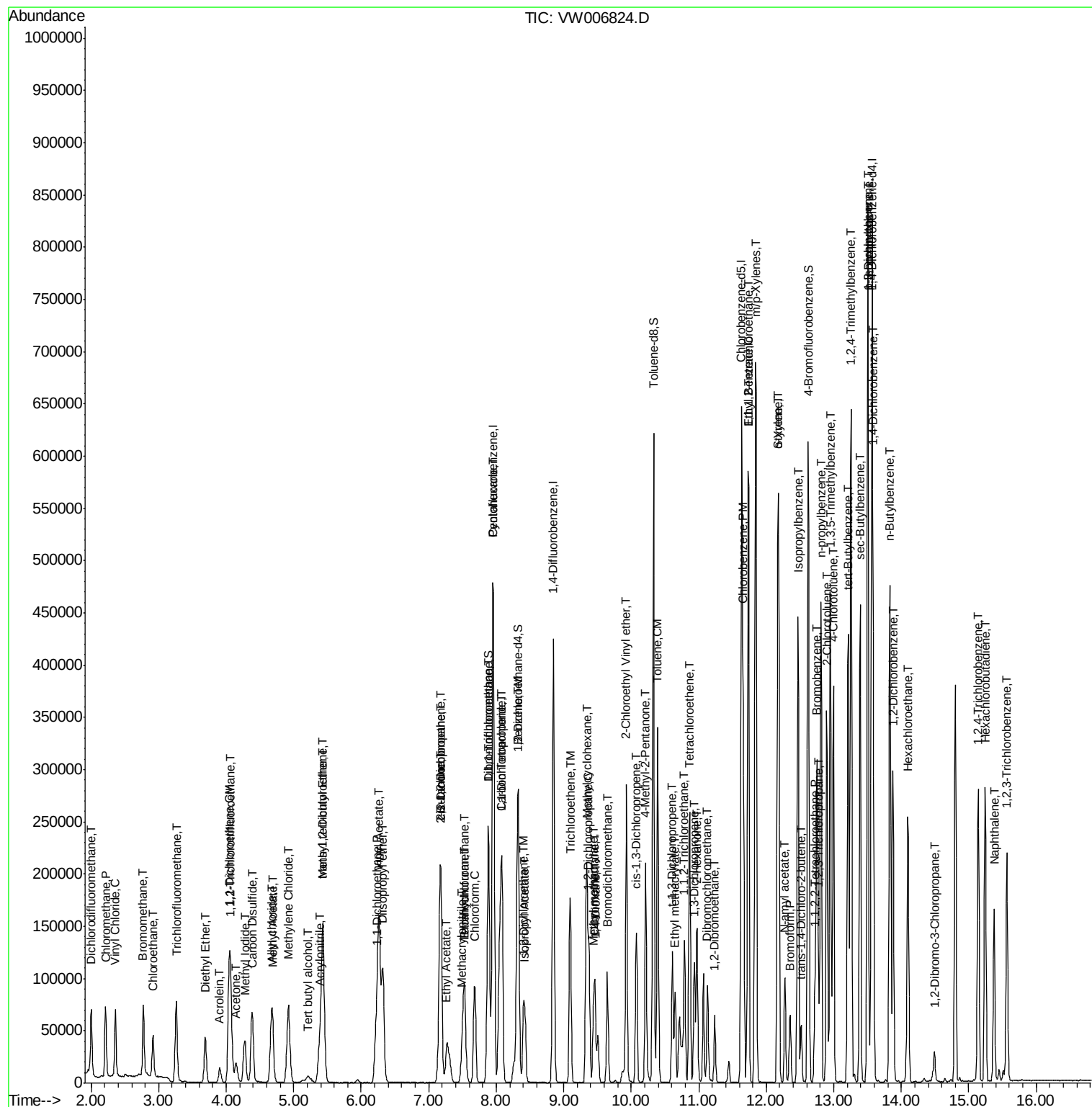
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW111218\
 Data File : VW006824.D
 Acq On : 13 Nov 2018 00:36
 Operator : SY/AP
 Sample : VW1112SBSD02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

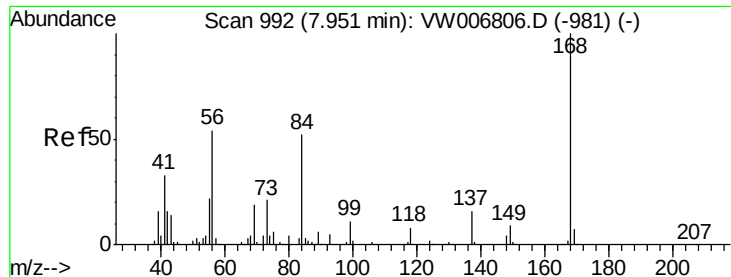
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBSD02

Manual Integrations
 APPROVED

apatel
 11/13/2018 3:57:49 PM

Quant Time: Nov 13 03:28:55 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 14:58:58 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBSD02

Tgt Ion:168 Resp: 279141

Ion Ratio Lower Upper

168 100

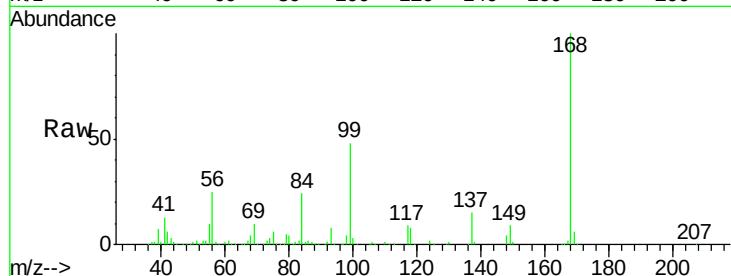
99 48.0 37.3 55.9

Manual Integrations

APPROVED

apatel

11/13/2018 3:57:49 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

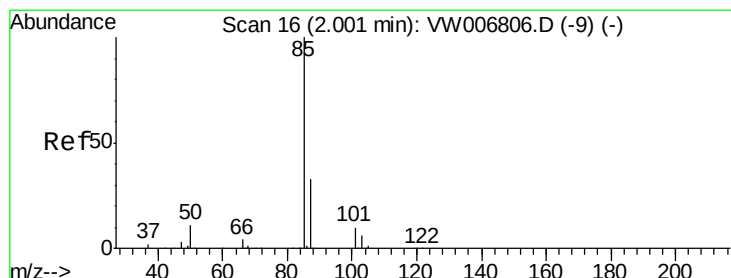
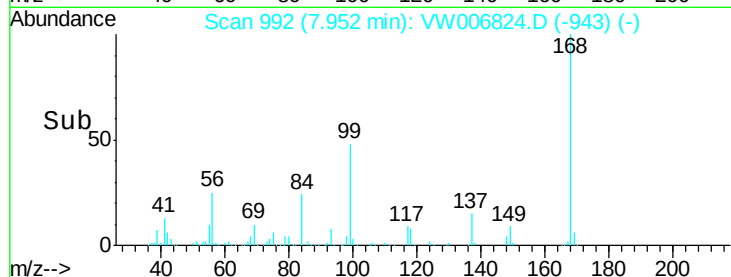
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.367 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW006824.D

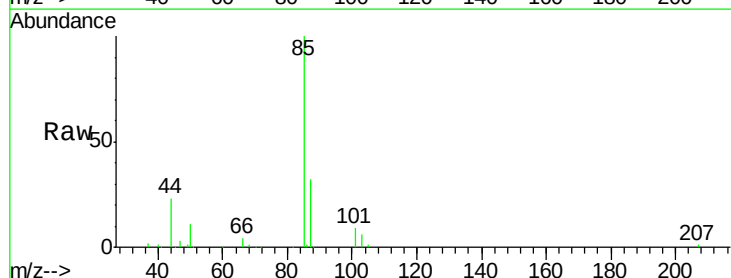
Acq: 13 Nov 2018 00:36

Tgt Ion: 85 Resp: 51543

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

30000

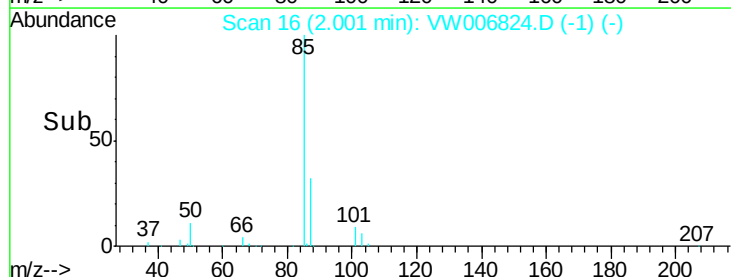
20000

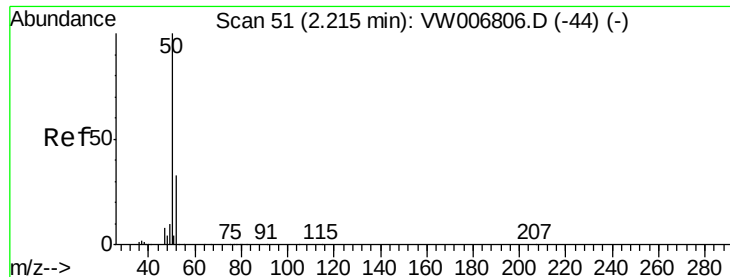
10000

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 23.765 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBSD02

Tgt Ion: 50 Resp: 61740

Ion Ratio Lower Upper

50 100

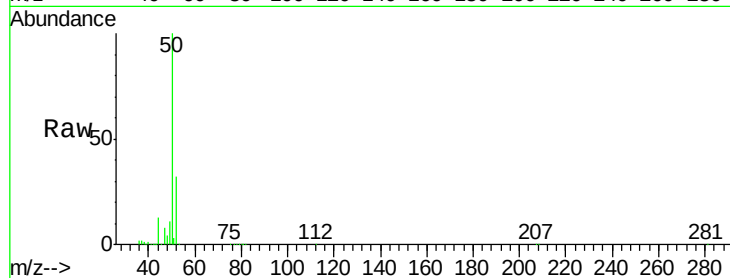
52 31.7 26.2 39.4

Manual Integrations

APPROVED

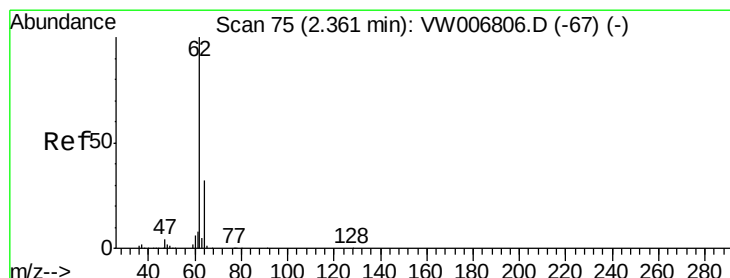
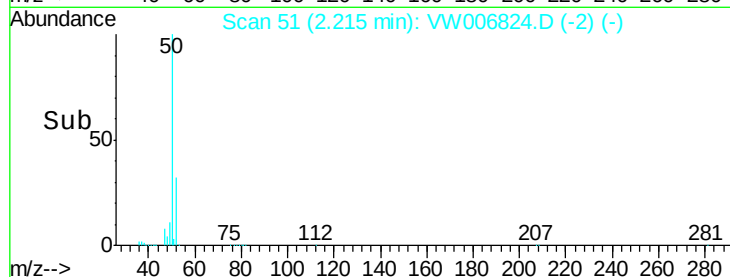
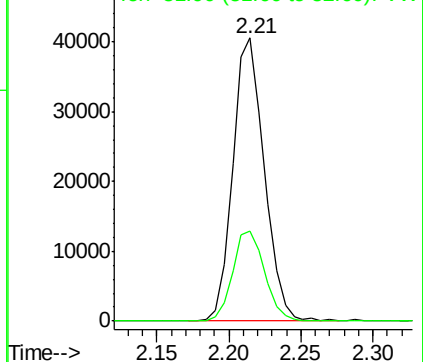
apatel

11/13/2018 3:57:49 PM



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 22.431 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW006824.D

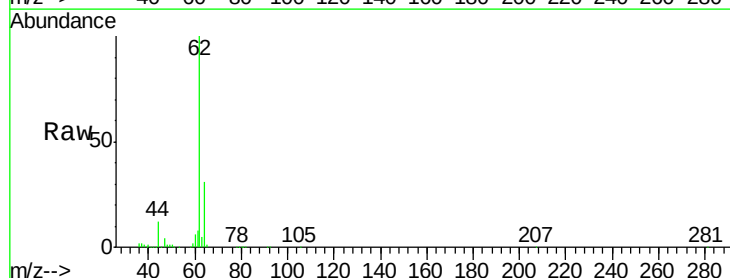
Acq: 13 Nov 2018 00:36

Tgt Ion: 62 Resp: 62556

Ion Ratio Lower Upper

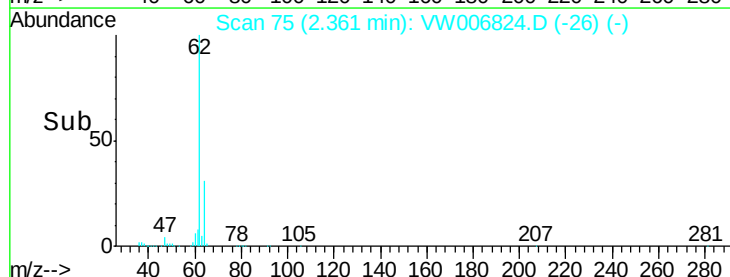
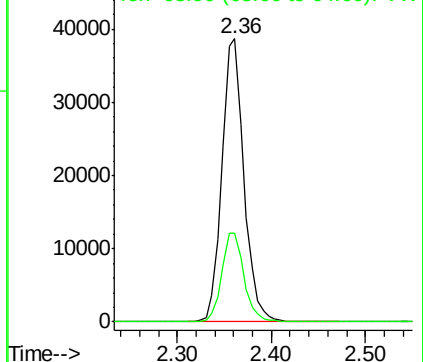
62 100

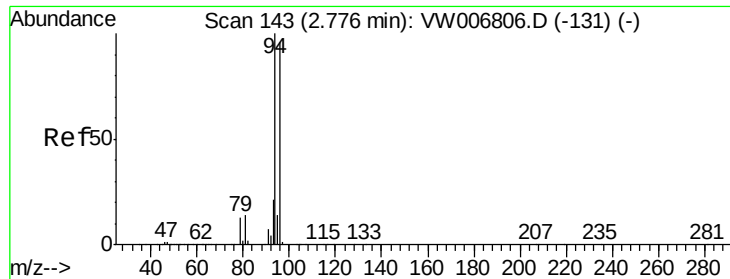
64 31.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 22.414 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBSD02

Tgt Ion: 94 Resp: 42054

Ion Ratio Lower Upper

94 100

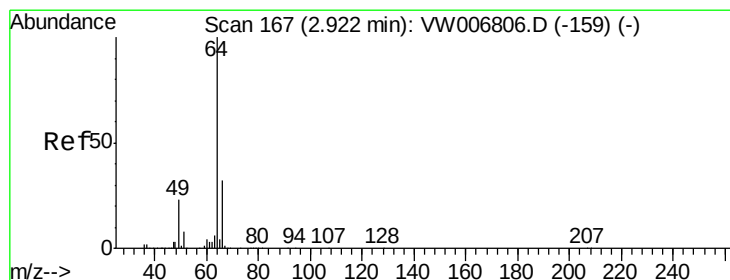
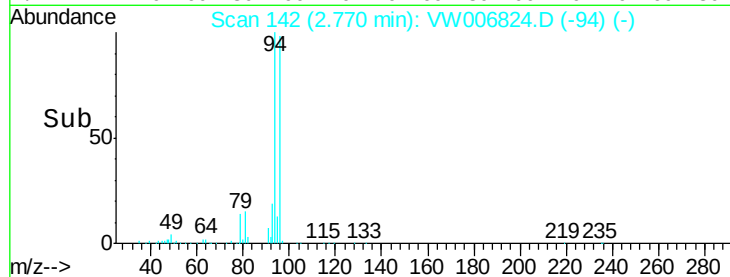
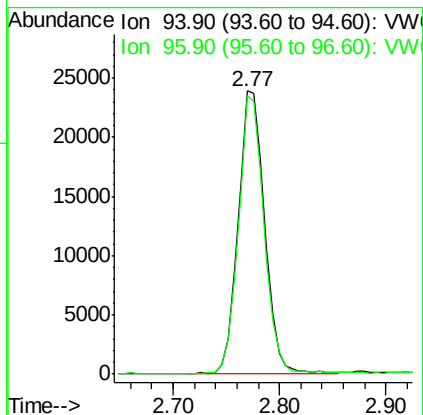
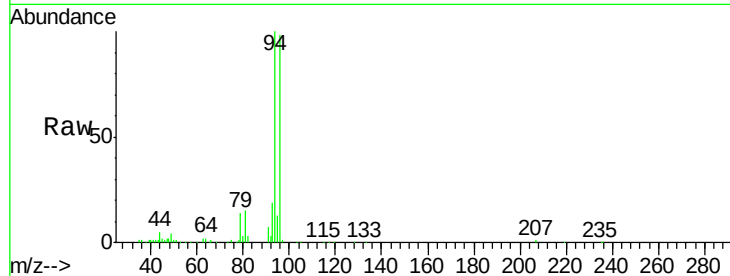
96 97.9 76.8 115.2

Manual Integrations

APPROVED

apatel

11/13/2018 3:57:49 PM



#6

Chloroethane

Concen: 22.145 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW006824.D

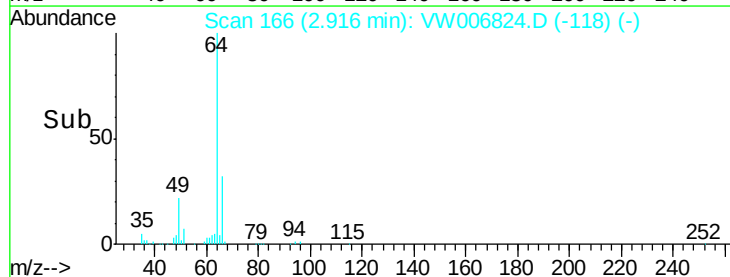
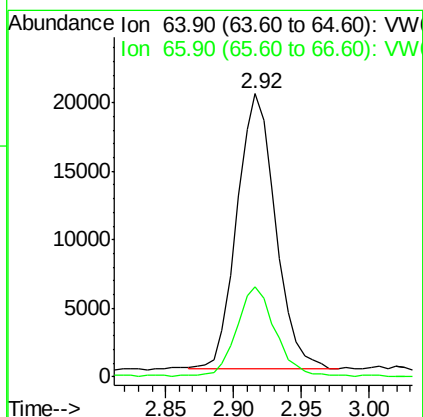
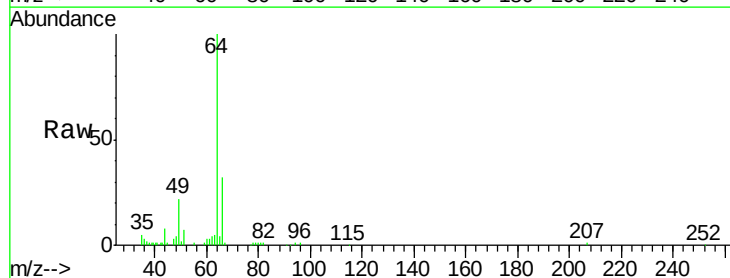
Acq: 13 Nov 2018 00:36

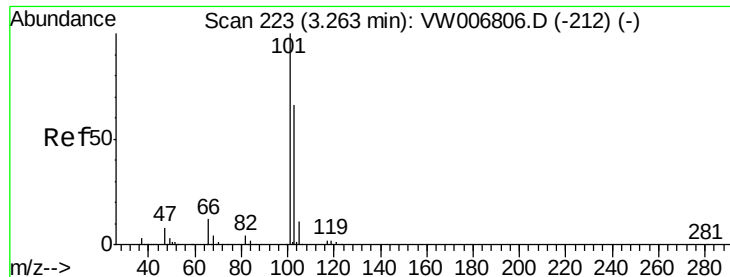
Tgt Ion: 64 Resp: 39852

Ion Ratio Lower Upper

64 100

66 32.0 25.5 38.3





#7

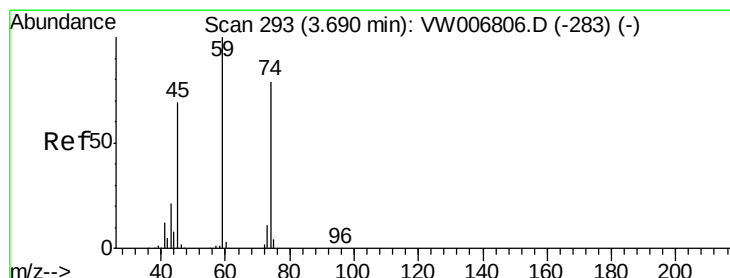
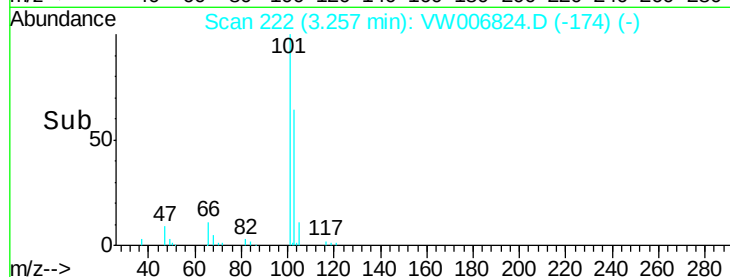
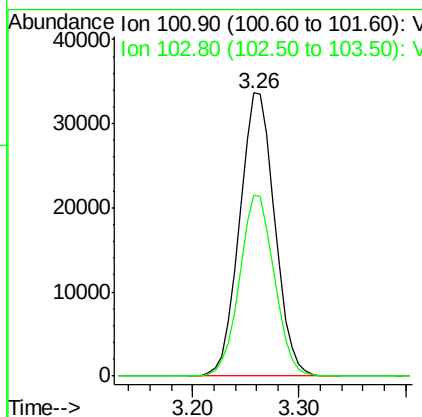
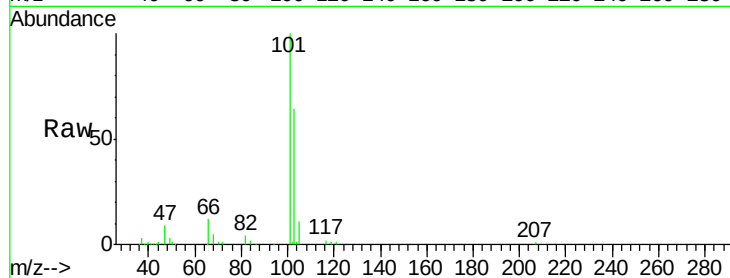
Trichlorofluoromethane
Concen: 21.164 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD02

Tgt Ion: 101 Resp: 77908
Ion Ratio Lower Upper
101 100
103 63.8 52.6 79.0

Manual Integrations
APPROVED

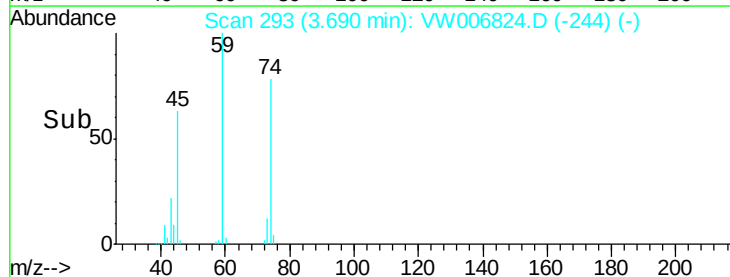
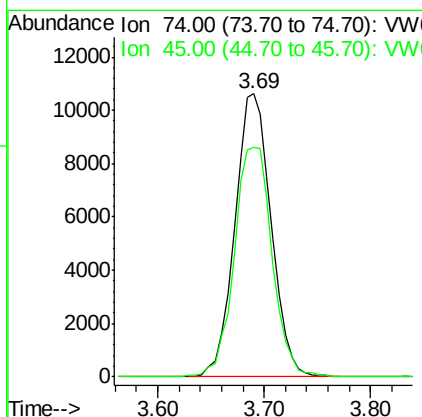
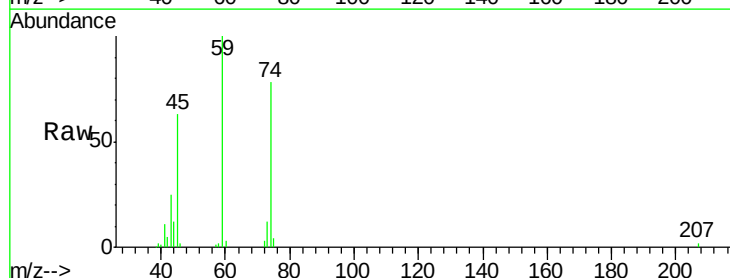
apatel
11/13/2018 3:57:49 PM

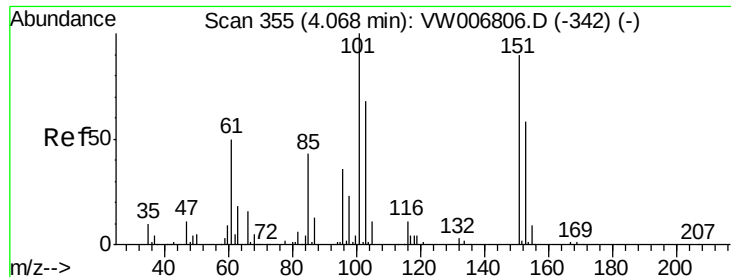


#8

Diethyl Ether
Concen: 23.445 ug/l
RT: 3.69 min Scan# 293
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Tgt Ion: 74 Resp: 25326
Ion Ratio Lower Upper
74 100
45 85.1 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.427 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Instrument :

MSVOA_W

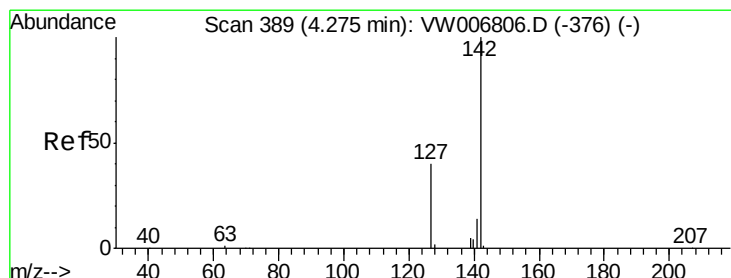
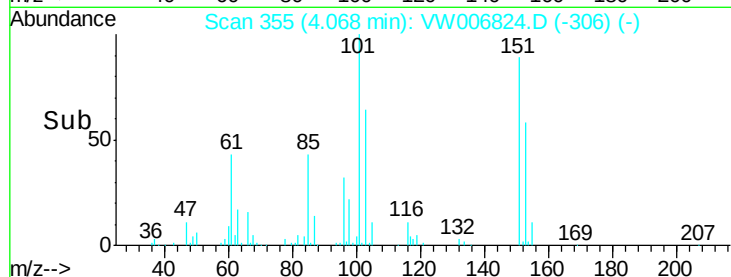
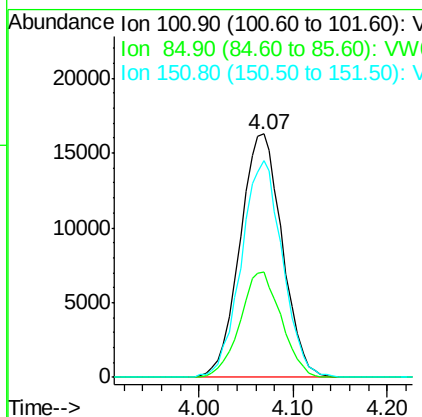
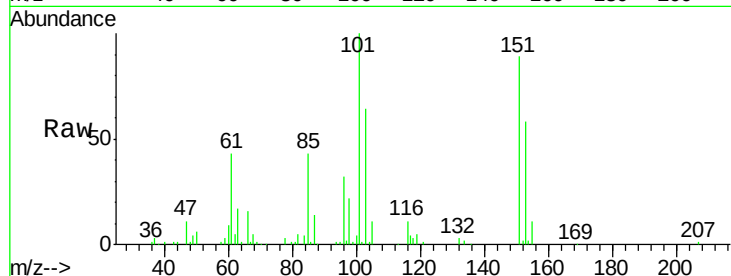
ClientSampleId :

VW1112SBSD02

Tgt Ion:	101	Resp:	50990
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.8	50.8
151	87.0	71.4	107.0

Manual Integrations
APPROVED

apatel
11/13/2018 3:57:49 PM



#10

Methyl Iodide

Concen: 19.757 ug/l

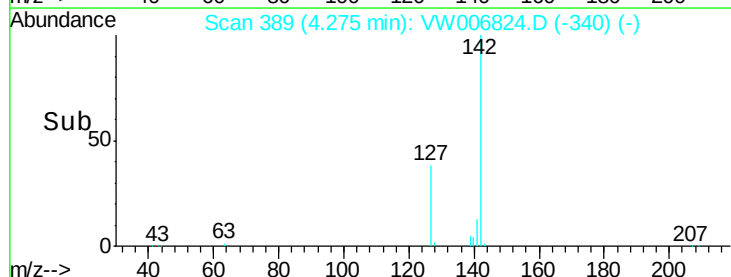
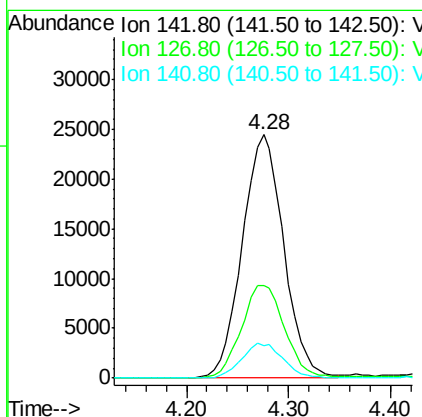
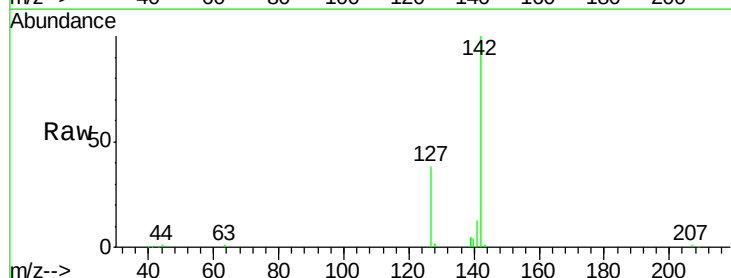
RT: 4.28 min Scan# 389

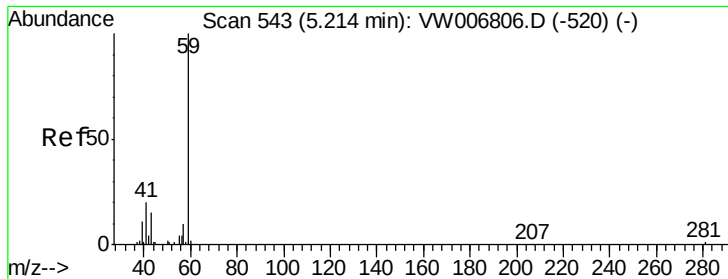
Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Tgt Ion:	142	Resp:	69117
Ion Ratio	Lower	Upper	
142	100		
127	39.8	31.8	47.8
141	14.4	11.5	17.3





#11

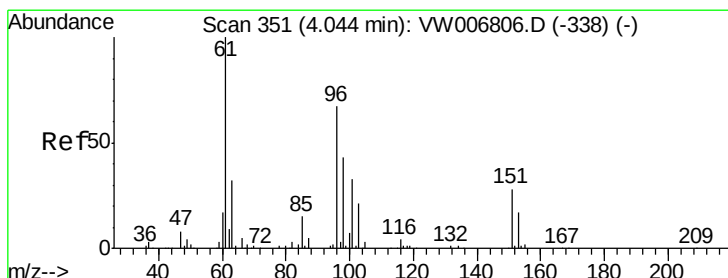
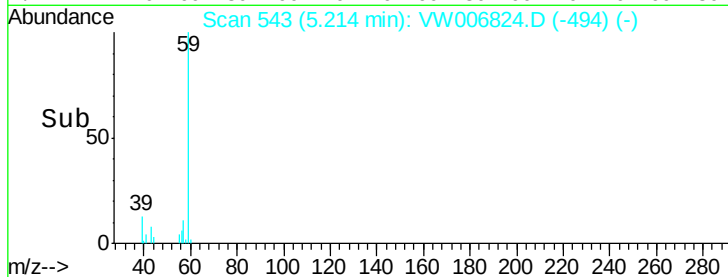
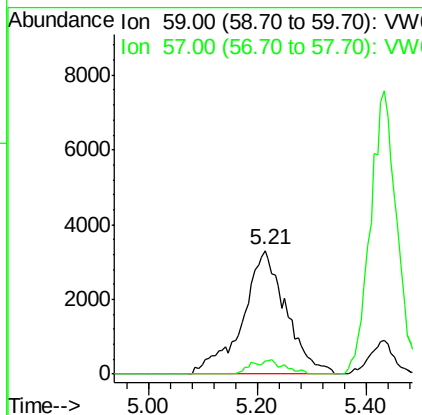
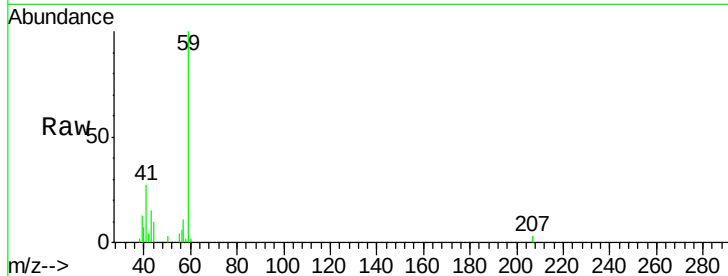
Tert butyl alcohol
Concen: 136.984 ug/l
RT: 5.21 min Scan# 543
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD02

Tgt Ion: 59 Resp: 18349
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

Manual Integrations
APPROVED

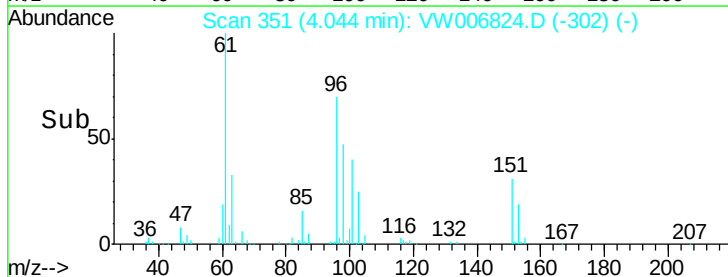
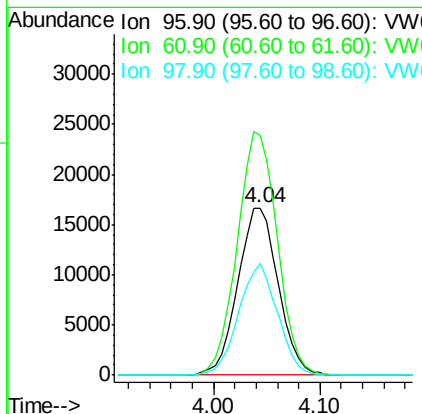
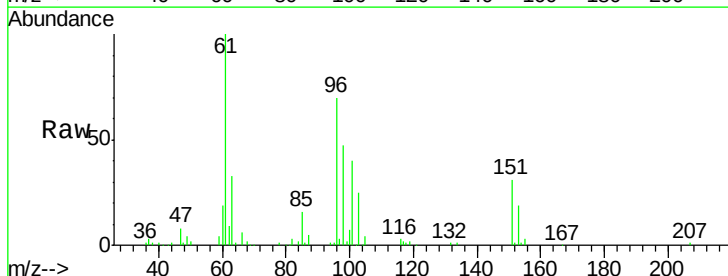
apatel
11/13/2018 3:57:49 PM

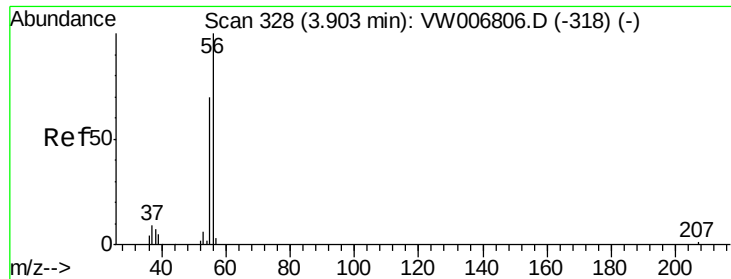


#12

1,1-Dichloroethene
Concen: 20.975 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Tgt Ion: 96 Resp: 44224
Ion Ratio Lower Upper
96 100
61 143.6 119.8 179.6
98 67.0 51.5 77.3





#13

Acrolein

Concen: 121.675 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBS02

Tgt Ion: 56 Resp: 17046

Ion Ratio Lower Upper

56 100

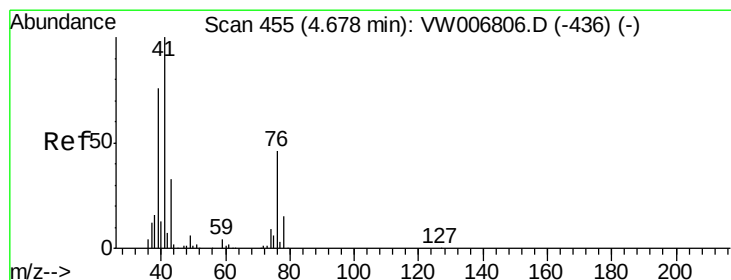
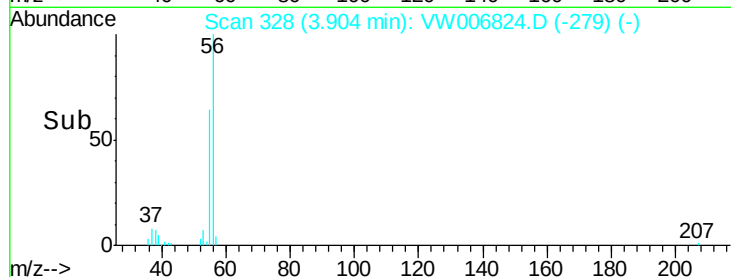
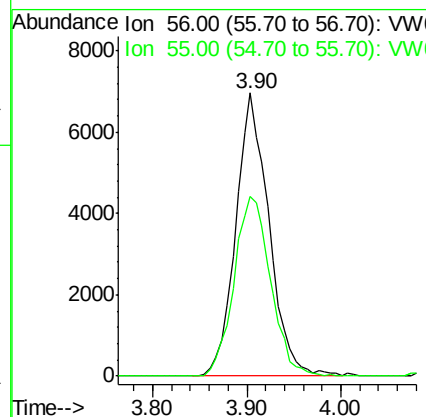
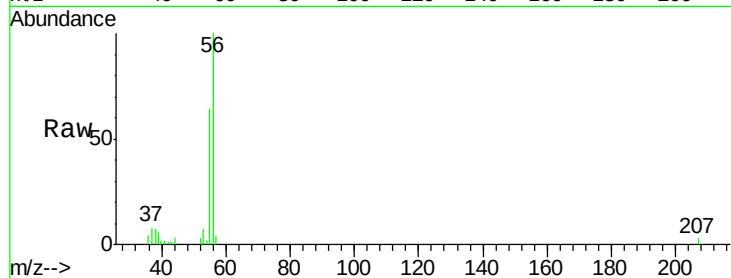
55 70.0 56.1 84.1

Manual Integrations

APPROVED

apatel

11/13/2018 3:57:49 PM



#14

Allyl chloride

Concen: 21.273 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

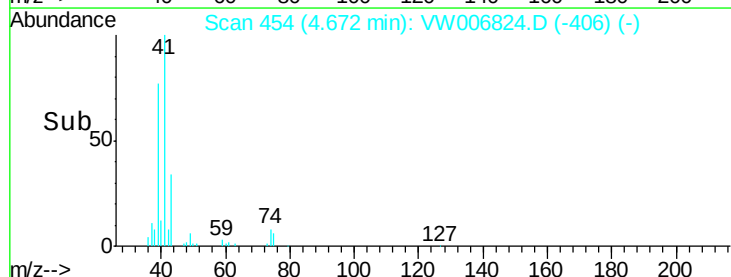
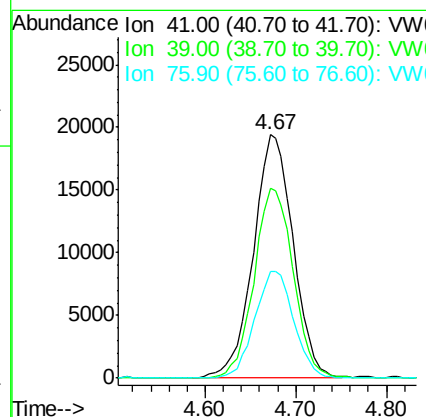
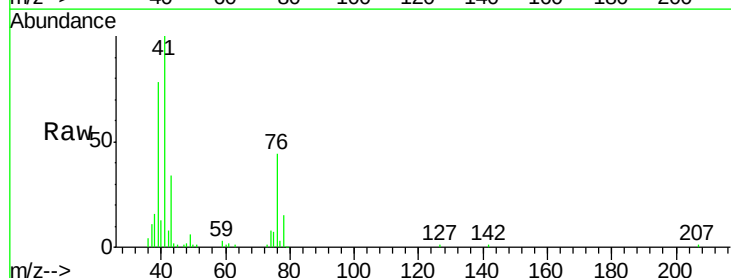
Tgt Ion: 41 Resp: 58993

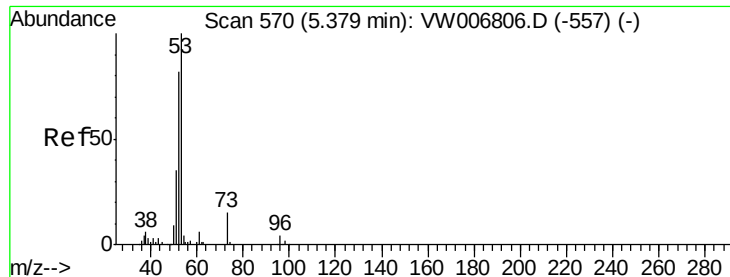
Ion Ratio Lower Upper

41 100

39 76.7 58.9 88.3

76 42.8 34.4 51.6





#15

Acrylonitrile

Concen: 116.893 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Instrument :

MSVOA_W

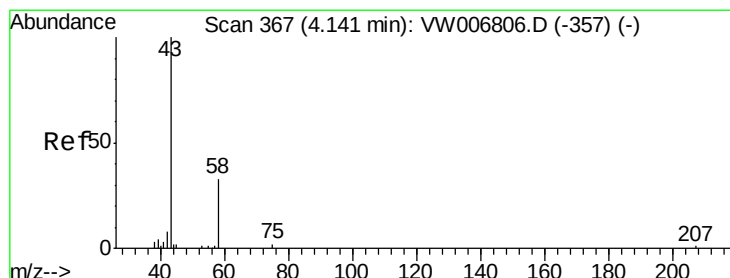
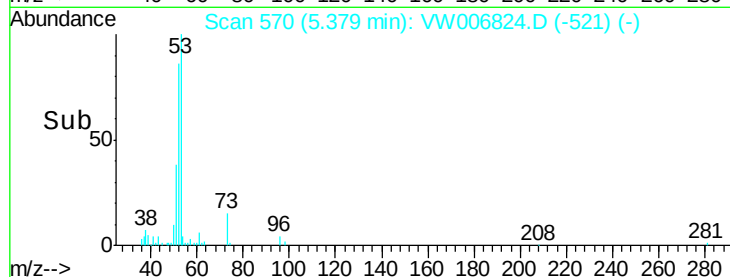
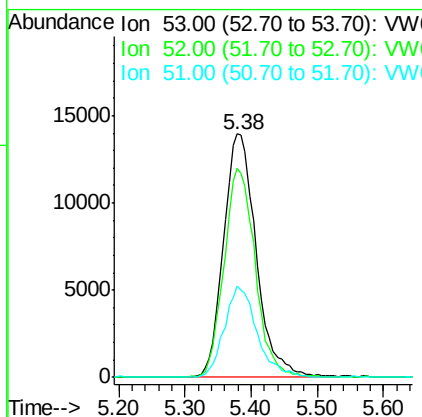
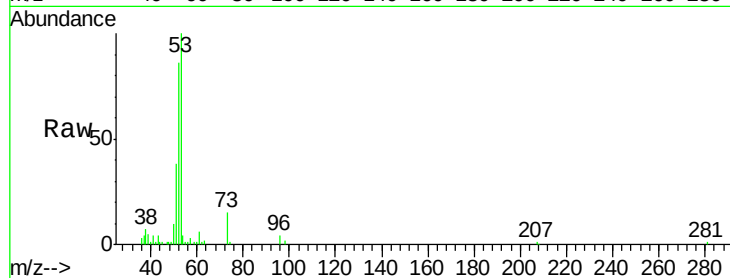
ClientSampleId :

VW1112SBSD02

Tgt Ion:	53	Resp:	47820
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.2	97.8
51	37.4	30.0	45.0

Manual Integrations
APPROVED

apatel
11/13/2018 3:57:49 PM



#16

Acetone

Concen: 121.668 ug/l

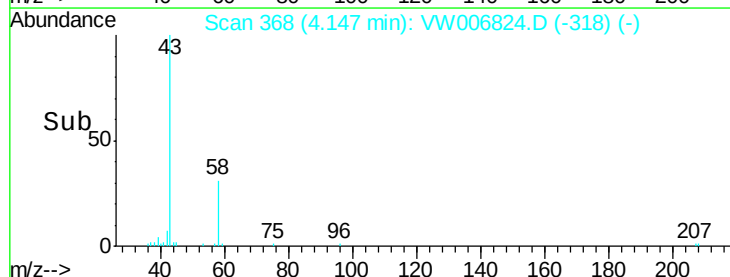
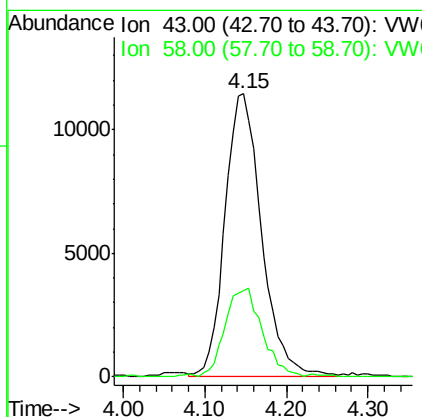
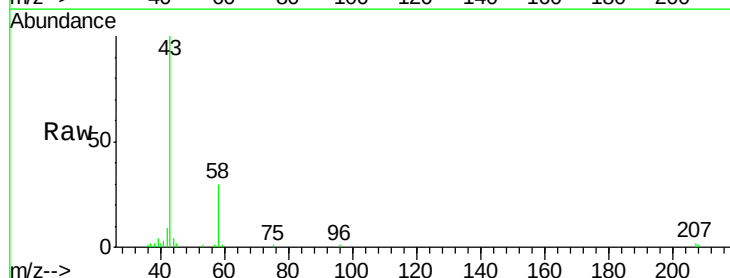
RT: 4.15 min Scan# 368

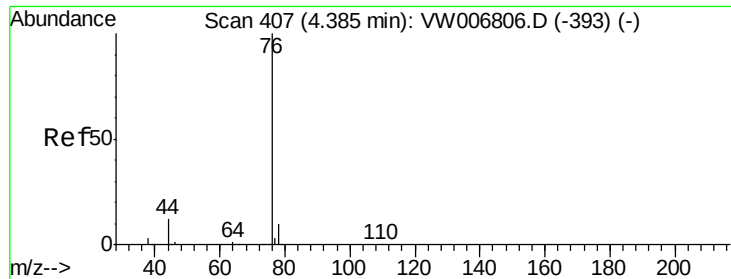
Delta R.T. 0.01 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Tgt Ion:	43	Resp:	35656
Ion	Ratio	Lower	Upper
43	100		
58	30.7	26.5	39.7





#17

Carbon Disulfide

Concen: 21.174 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBSD02

Tgt Ion: 76 Resp: 141188

Ion Ratio Lower Upper

76 100

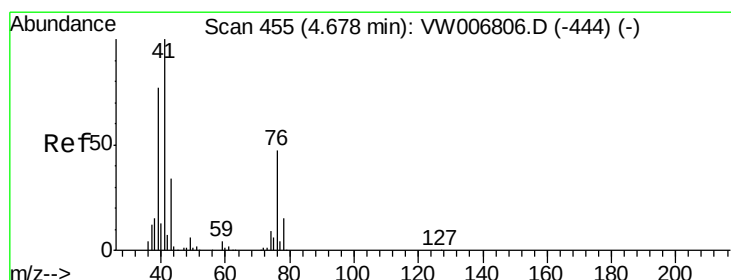
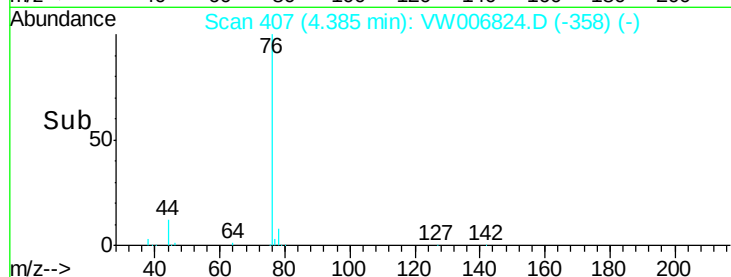
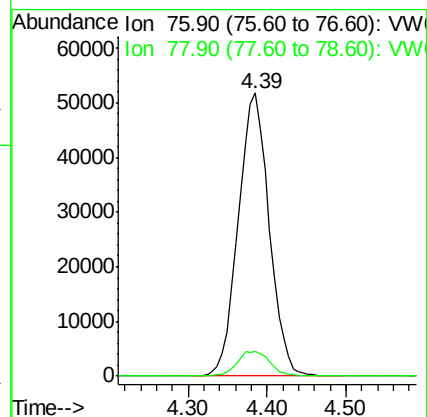
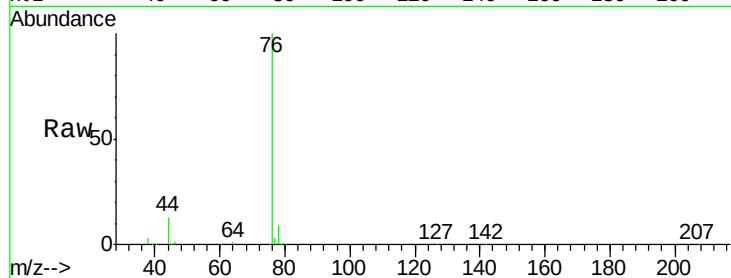
78 8.7 7.6 11.4

Manual Integrations

APPROVED

apatel

11/13/2018 3:57:49 PM



#18

Methyl Acetate

Concen: 22.996 ug/l

RT: 4.69 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW006824.D

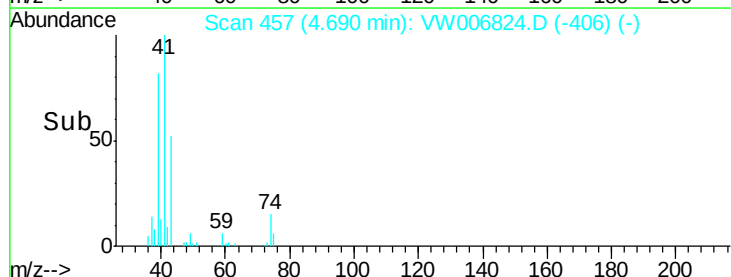
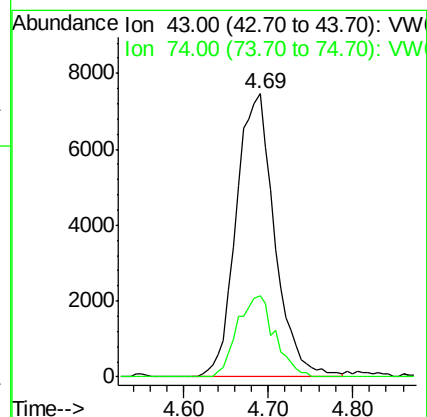
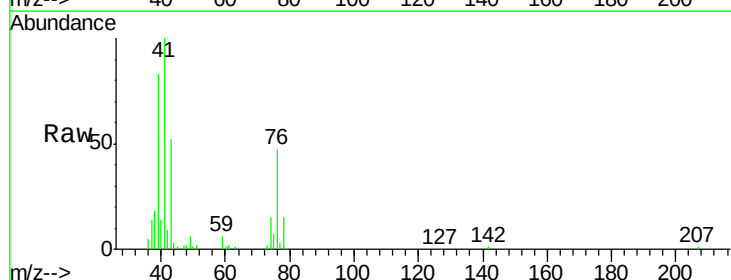
Acq: 13 Nov 2018 00:36

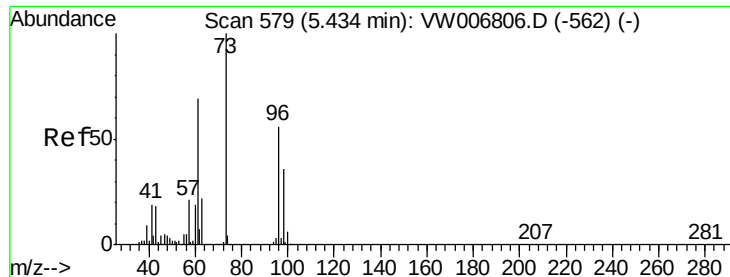
Tgt Ion: 43 Resp: 23052

Ion Ratio Lower Upper

43 100

74 27.8 21.9 32.9





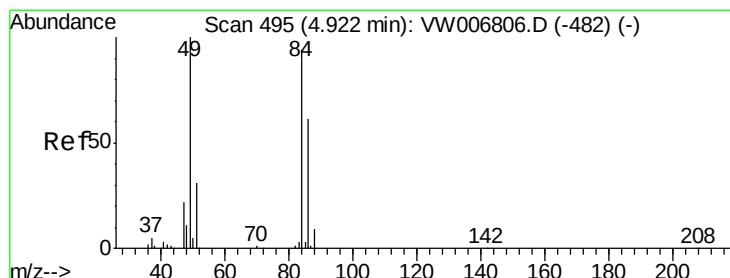
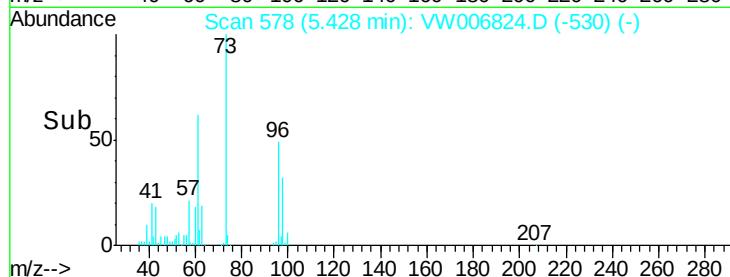
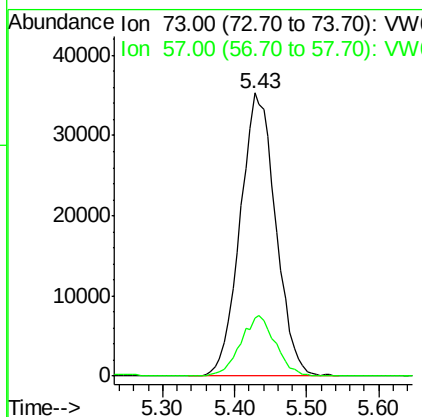
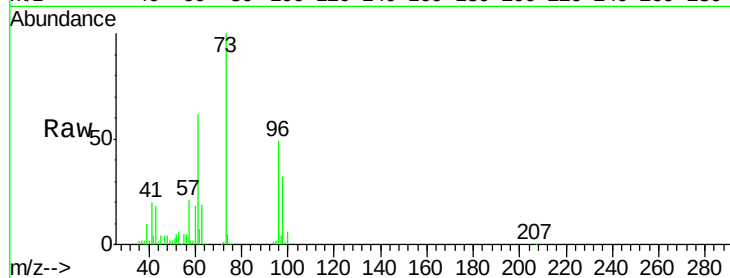
#19
Methyl tert-butyl Ether
Concen: 24.188 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD02

Tgt Ion: 73 Resp: 121079
Ion Ratio Lower Upper
73 100
57 20.6 16.8 25.2

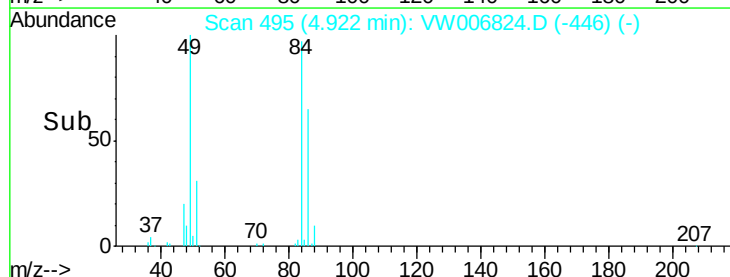
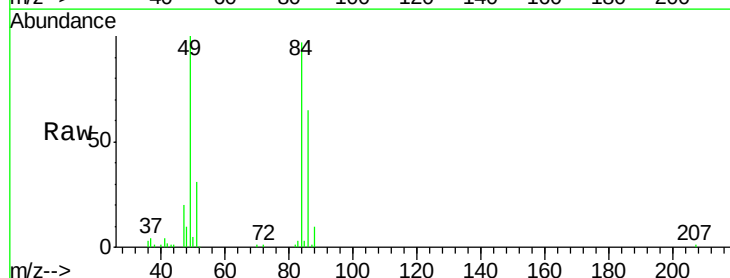
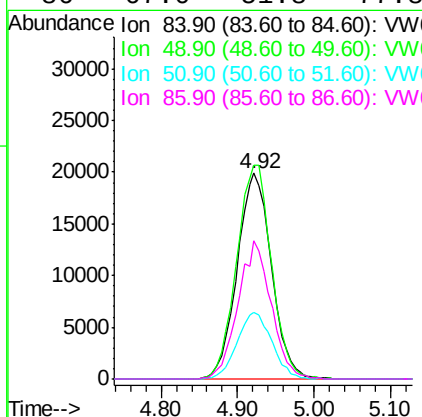
Manual Integrations
APPROVED

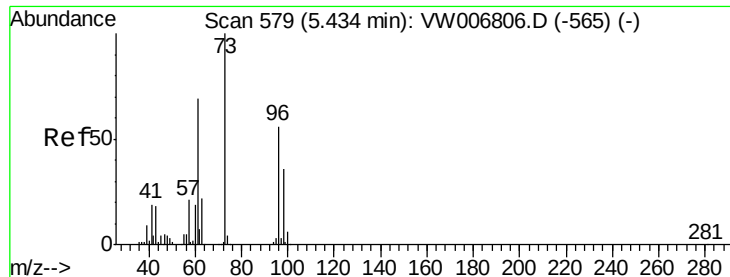
apatel
11/13/2018 3:57:49 PM



#20
Methylene Chloride
Concen: 20.086 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Tgt Ion: 84 Resp: 61885
Ion Ratio Lower Upper
84 100
49 103.5 84.8 127.2
51 32.5 26.2 39.4
86 67.0 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 21.208 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Instrument :

MSVOA_W

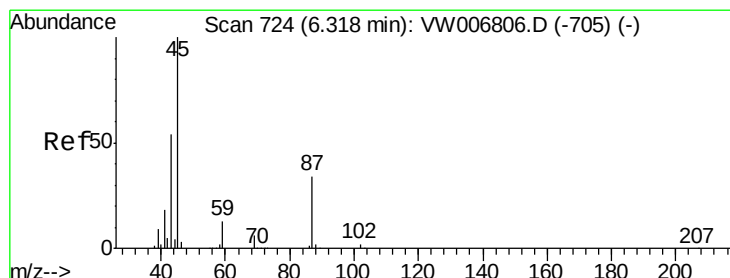
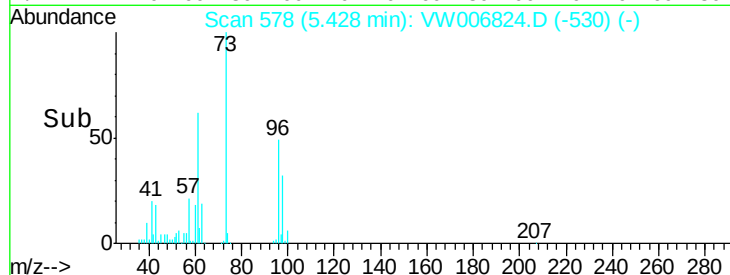
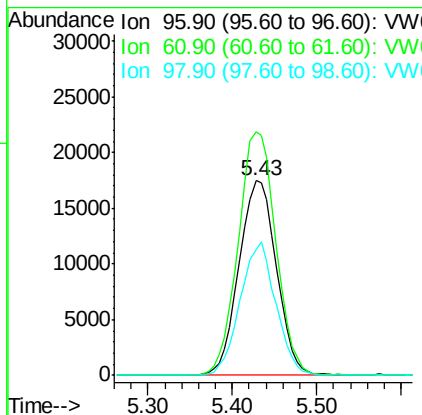
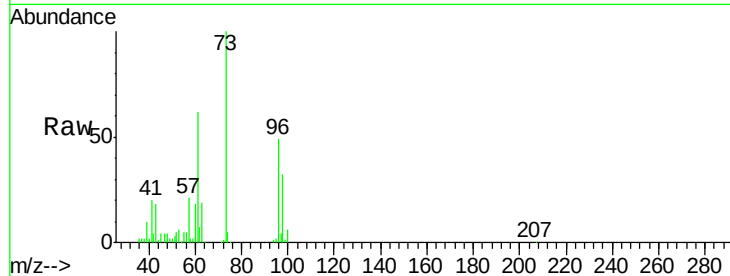
ClientSampleId :

VW1112SBSD02

Tgt Ion:	96	Resp:	52737
Ion Ratio	Lower	Upper	
96	100		
61	125.1	98.7	148.1
98	64.8	51.2	76.8

Manual Integrations
APPROVED

apatel
11/13/2018 3:57:49 PM



#22

Diisopropyl ether

Concen: 23.426 ug/l

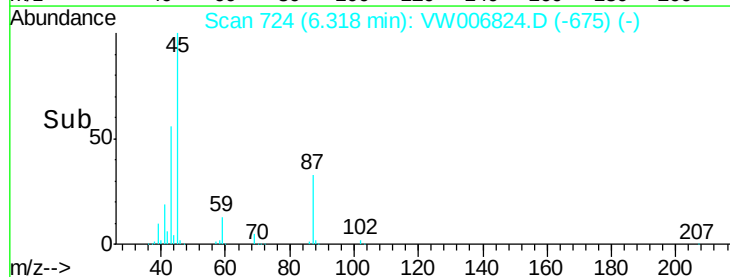
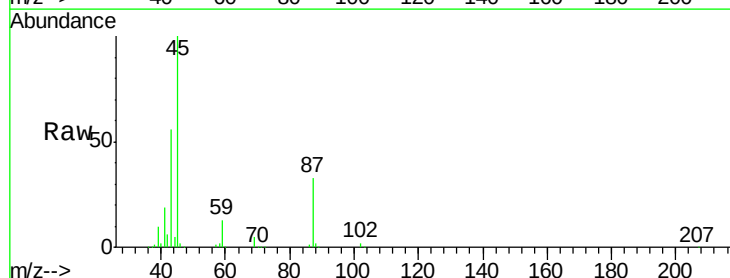
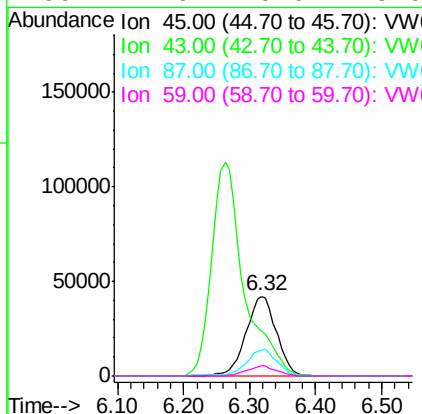
RT: 6.32 min Scan# 724

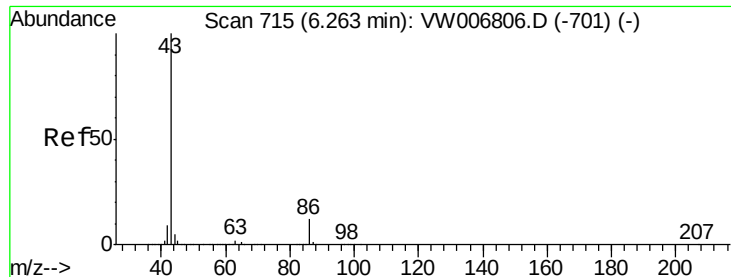
Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Tgt Ion:	45	Resp:	134923
Ion Ratio	Lower	Upper	
45	100		
43	55.5	43.7	65.5
87	32.6	27.2	40.8
59	12.6	10.0	15.0





#23

Vinyl Acetate

Concen: 118.388 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBSD02

Tgt Ion: 43 Resp: 384383

Ion Ratio Lower Upper

43 100

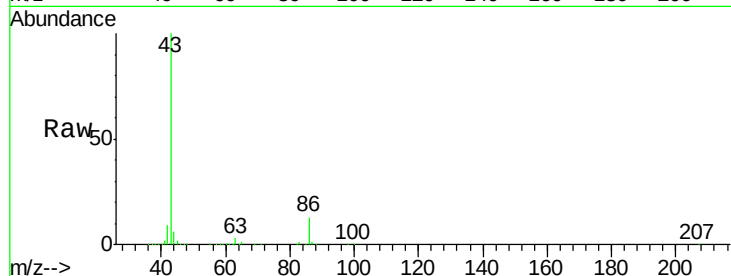
86 12.9 9.6 14.4

Manual Integrations

APPROVED

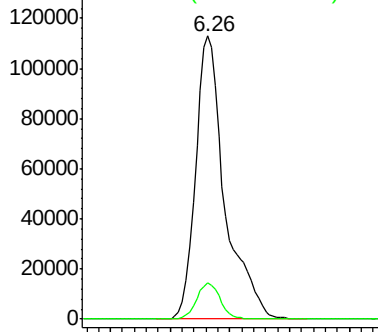
apatel

11/13/2018 3:57:49 PM

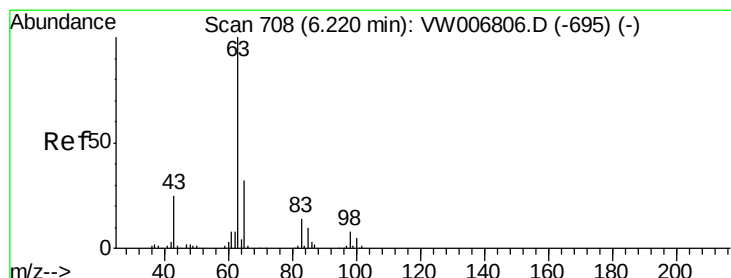
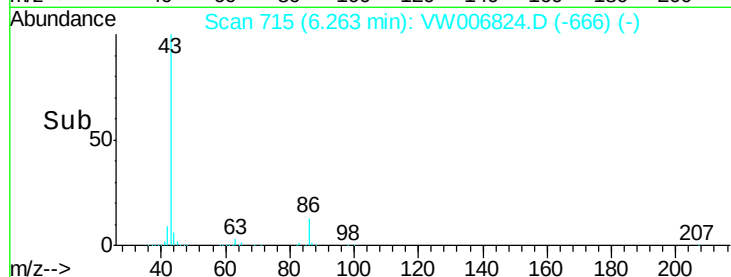


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 21.939 ug/l

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

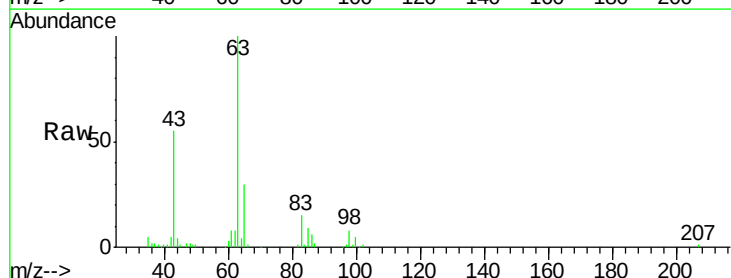
Tgt Ion: 63 Resp: 83800

Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.5

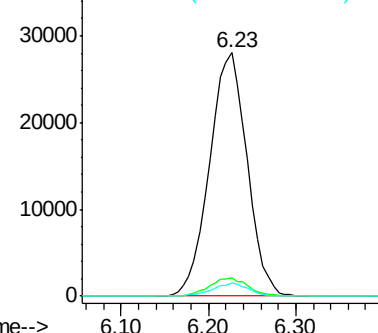
100 5.3 2.4 7.2



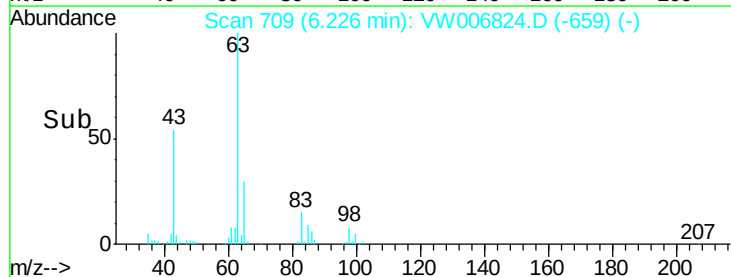
Abundance Ion 62.90 (62.60 to 63.60): VW

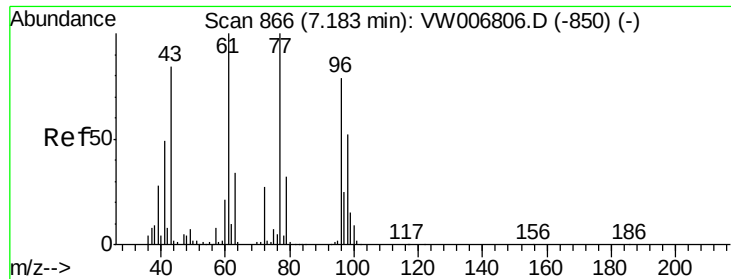
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 120.130 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBSD02

Tgt Ion: 43 Resp: 59538

Ion Ratio Lower Upper

43 100

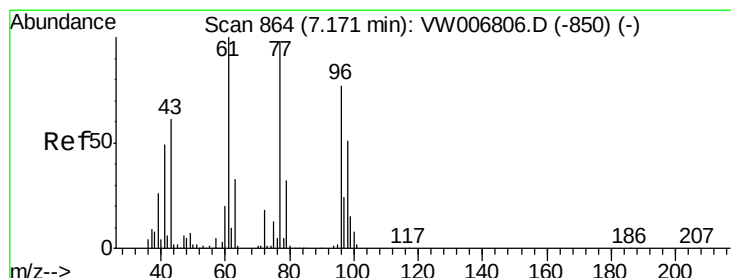
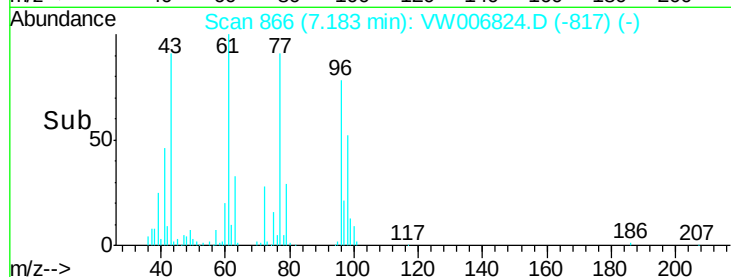
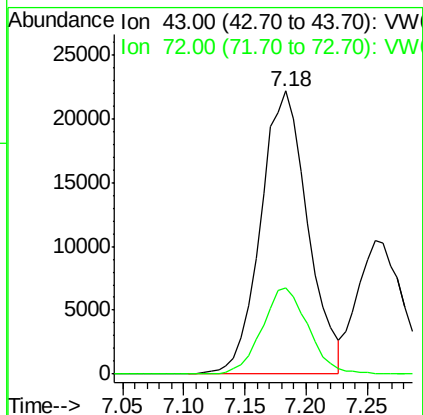
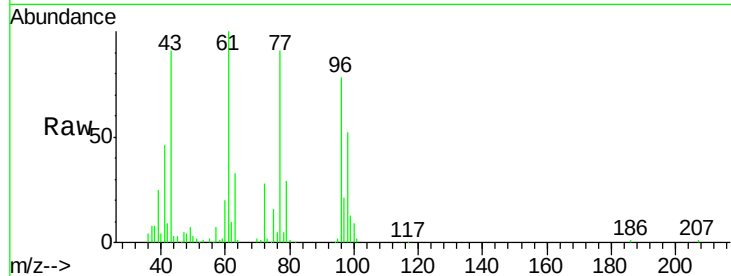
72 30.4 25.3 37.9

Manual Integrations

APPROVED

apatel

11/13/2018 3:57:49 PM



#26

2,2-Dichloropropane

Concen: 19.272 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW006824.D

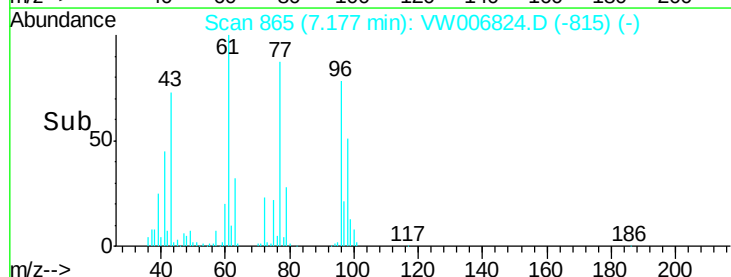
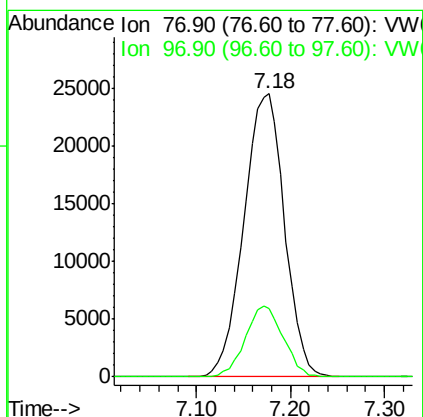
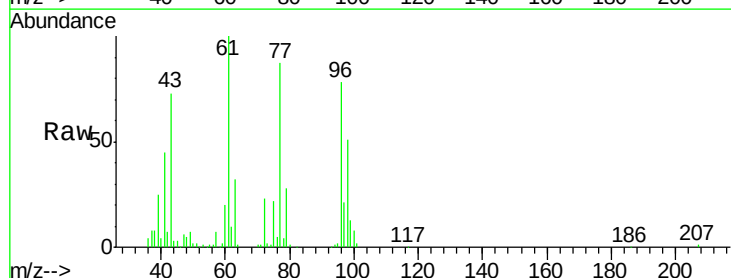
Acq: 13 Nov 2018 00:36

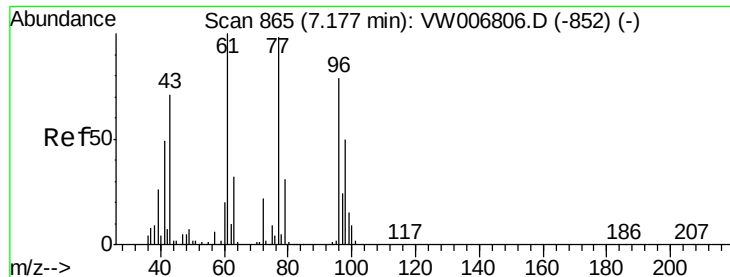
Tgt Ion: 77 Resp: 74068

Ion Ratio Lower Upper

77 100

97 23.4 12.0 36.1





#27

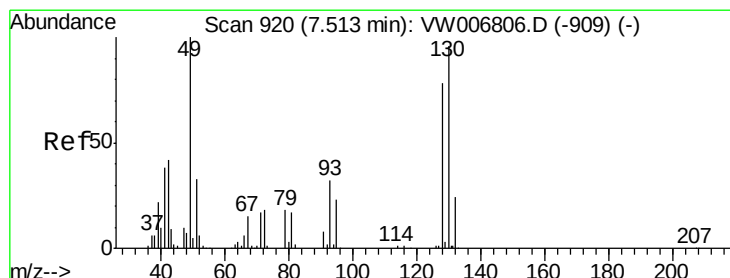
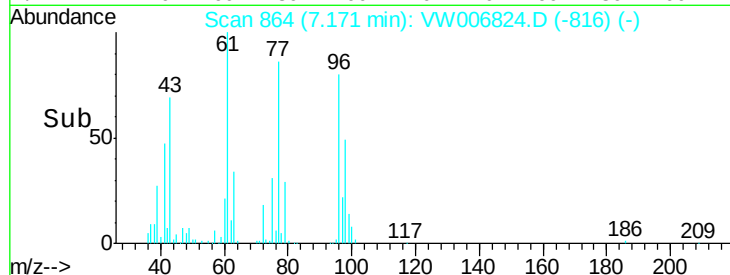
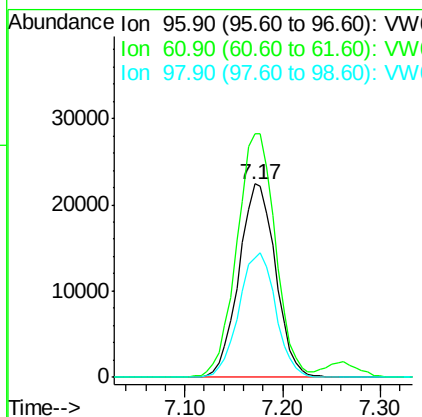
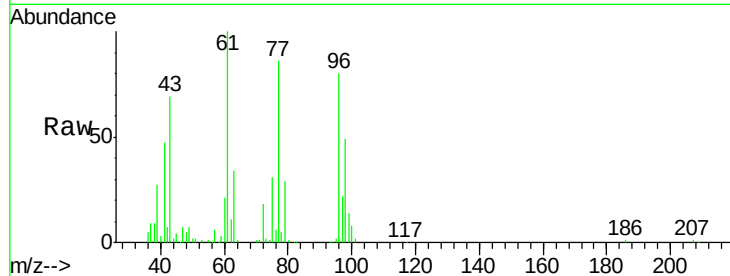
cis-1,2-Dichloroethene
Concen: 22.095 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	58575		
61	131.9		0.0	264.0
98	64.5		0.0	131.0

Manual Integrations
APPROVED

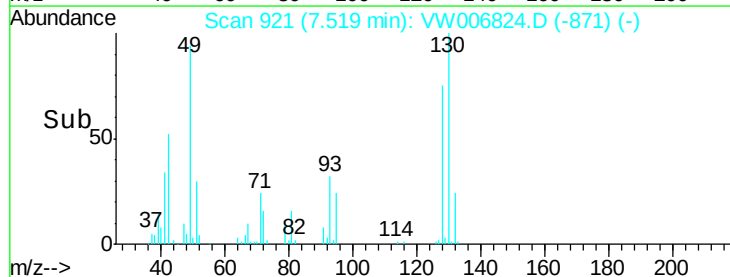
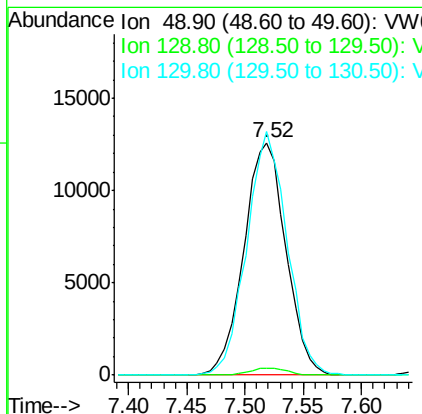
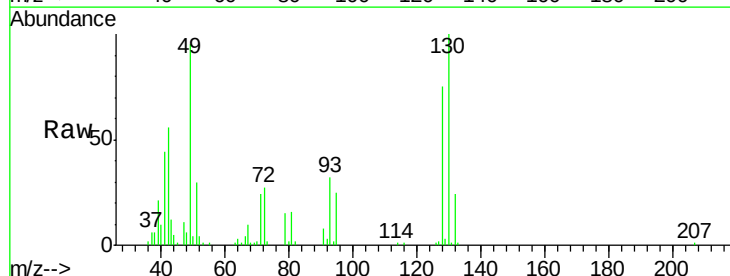
apatel
11/13/2018 3:57:49 PM

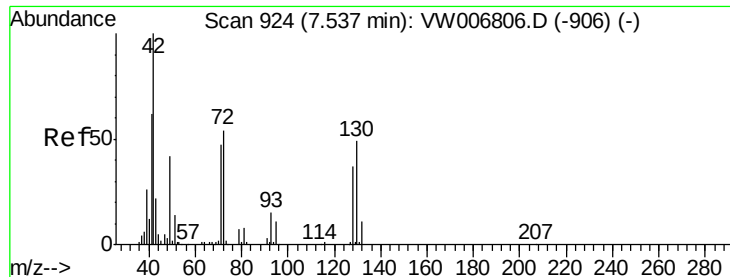


#28

Bromochloromethane
Concen: 23.567 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	31488		
129	2.6		0.0	5.6
130	100.5		83.3	124.9





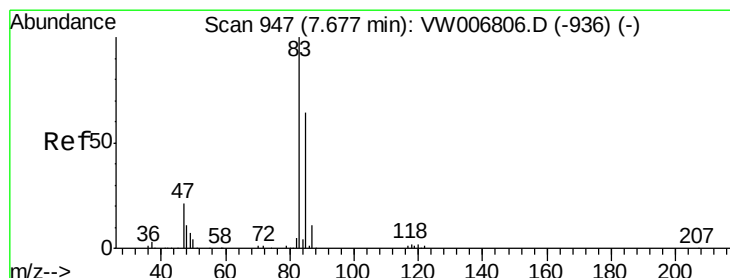
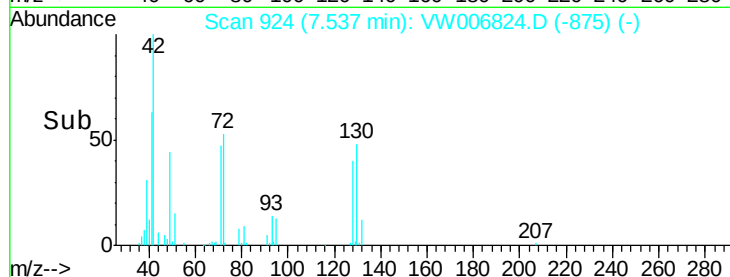
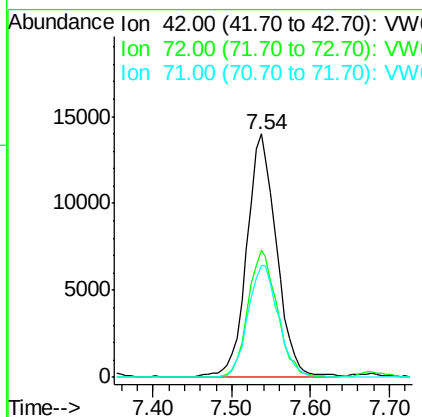
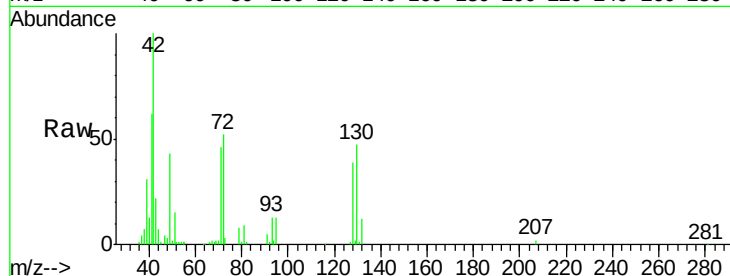
#29
Tetrahydrofuran
Concen: 115.811 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	50.9	40.9	61.3
71	47.2	36.9	55.3

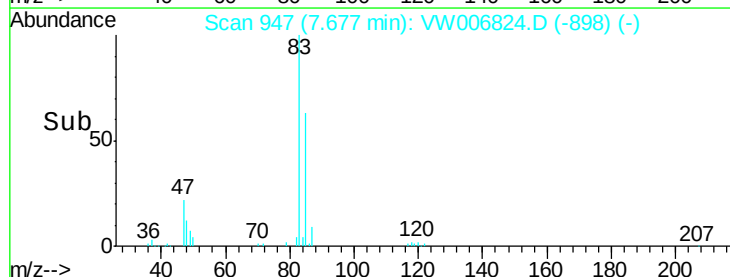
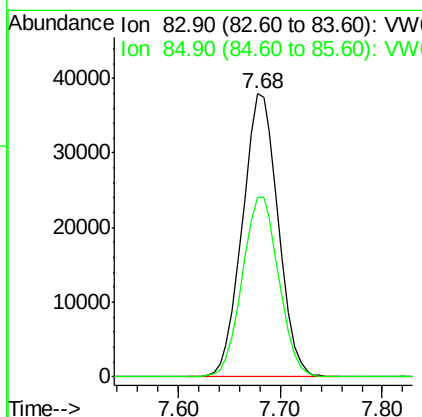
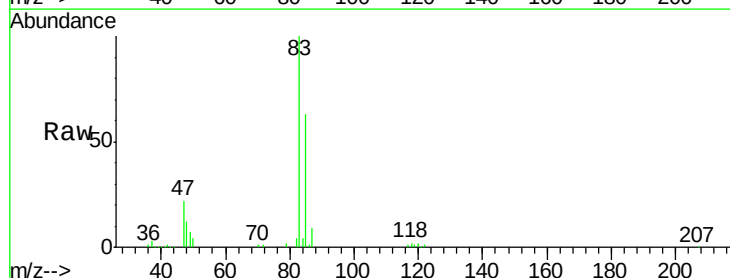
Manual Integrations
APPROVED

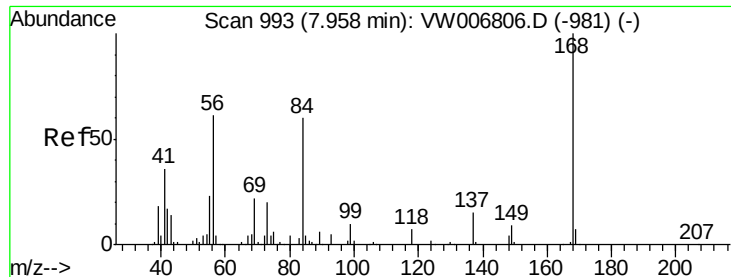
apatel
11/13/2018 3:57:49 PM



#30
Chloroform
Concen: 22.200 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.5	77.3





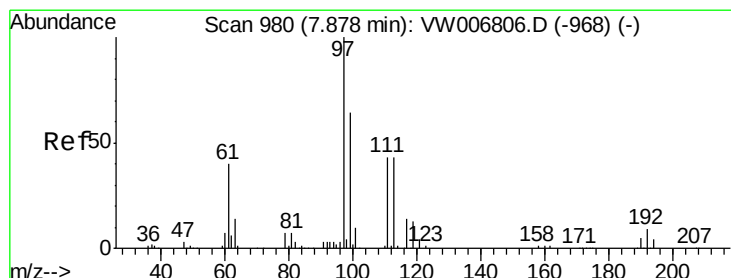
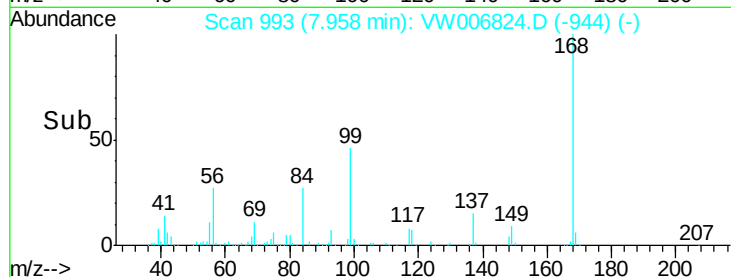
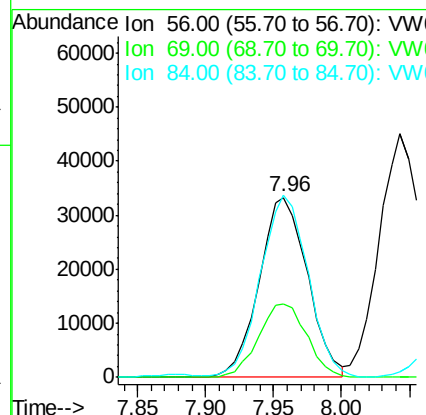
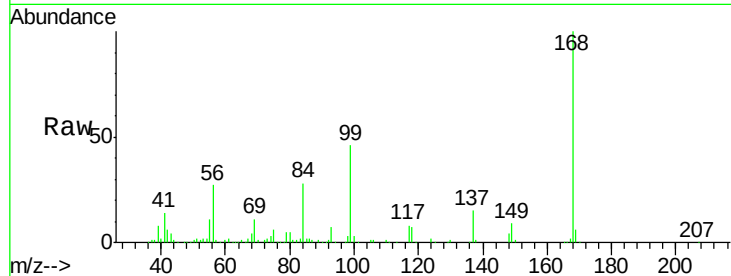
#31
Cyclohexane
Concen: 21.183 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	41.1	28.9	43.3
84	100.1	79.0	118.4

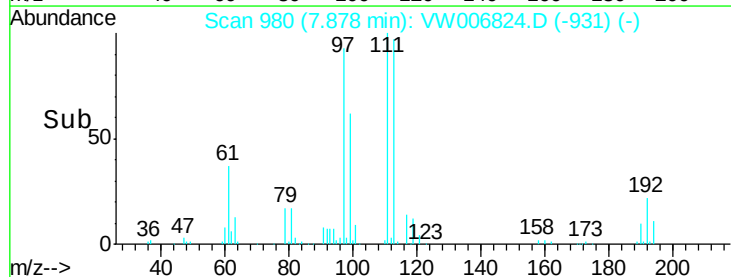
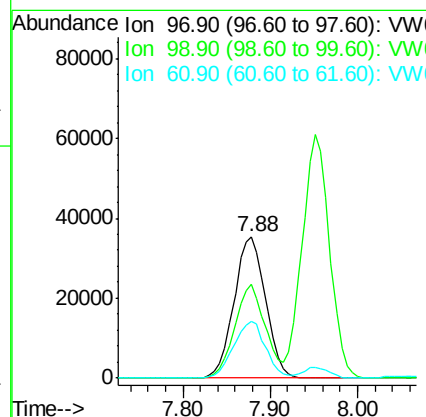
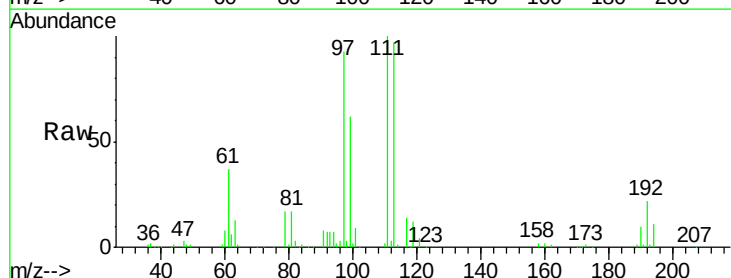
Manual Integrations
APPROVED

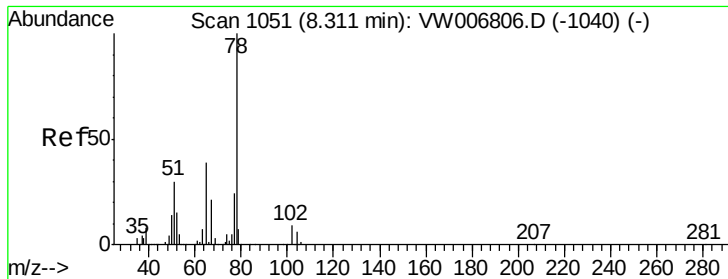
apatel
11/13/2018 3:57:49 PM



#32
1,1,1-Trichloroethane
Concen: 21.973 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.6	77.4
61	40.9	32.2	48.4





#33

1,2-Dichloroethane-d4

Concen: 51.486 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBSD02

Tgt Ion: 65 Resp: 105062

Ion Ratio Lower Upper

65 100

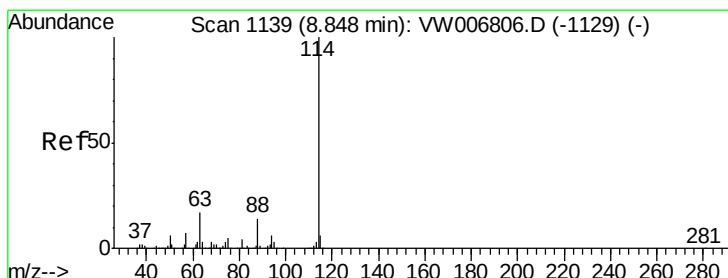
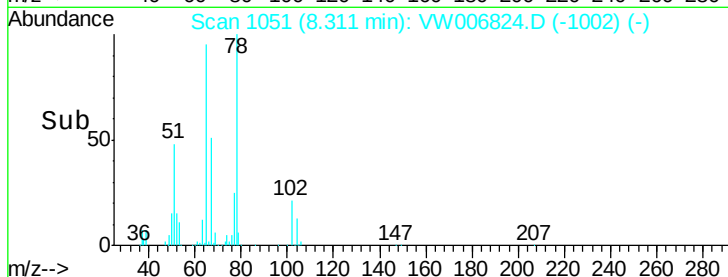
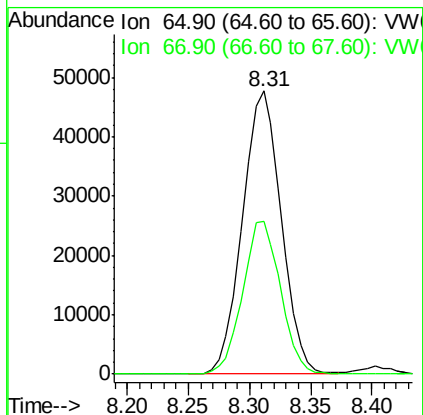
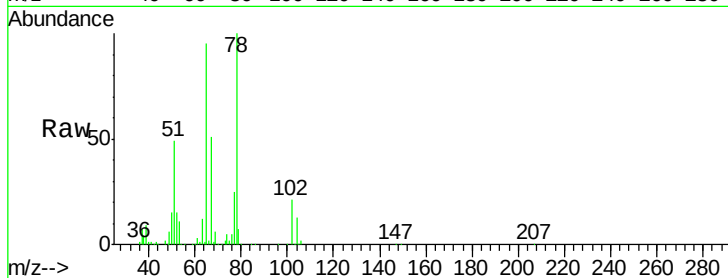
67 52.9 0.0 104.4

Manual Integrations

APPROVED

apatel

11/13/2018 3:57:49 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

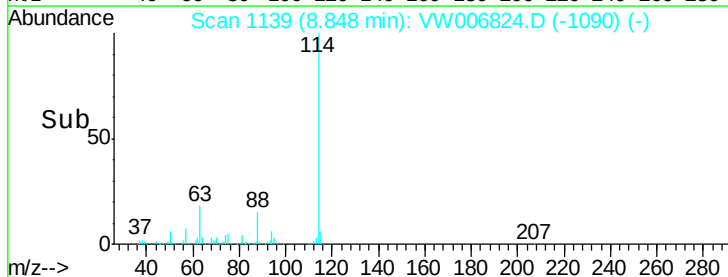
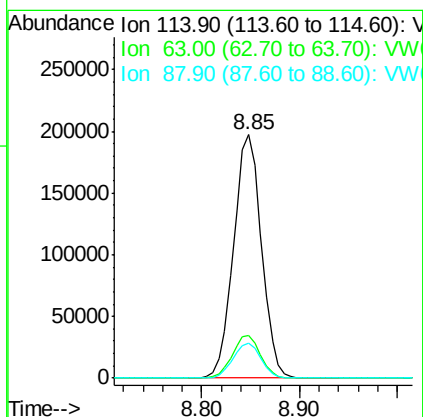
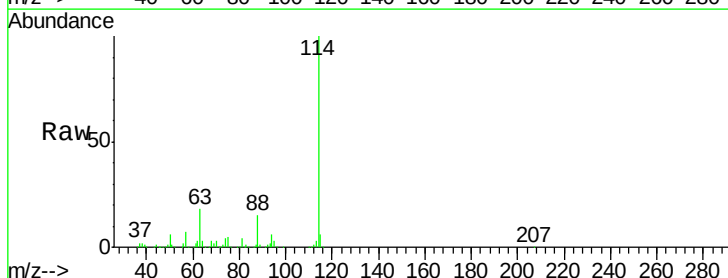
Tgt Ion: 114 Resp: 389057

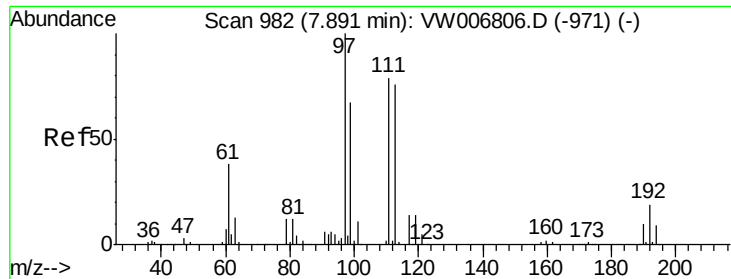
Ion Ratio Lower Upper

114 100

63 17.6 0.0 33.6

88 14.5 0.0 28.4





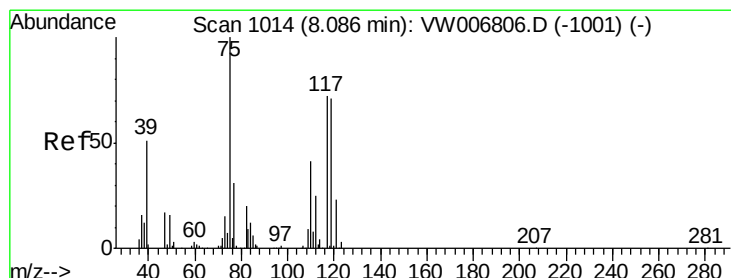
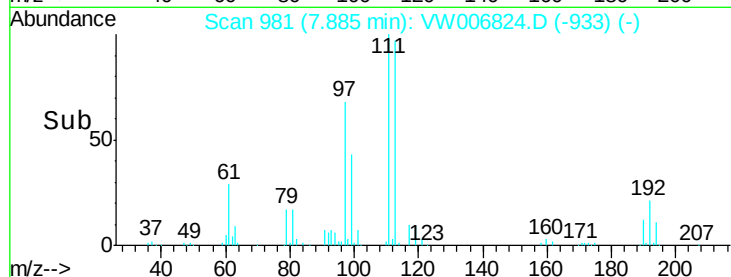
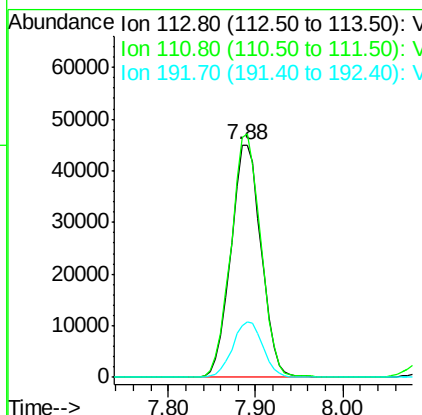
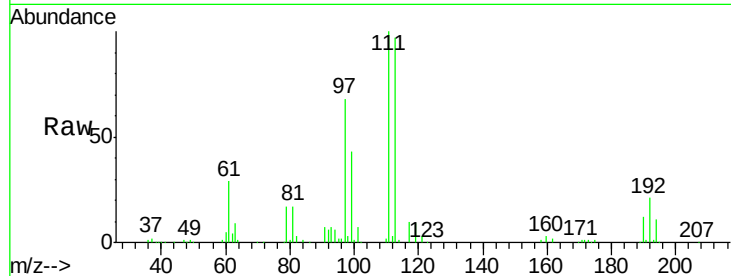
#35
Dibromofluoromethane
Concen: 46.996 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.01 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	108877		
111	102.7	81.0	121.6	
192	23.7	19.0	28.6	

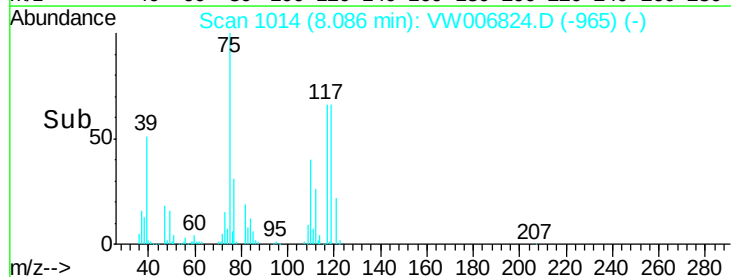
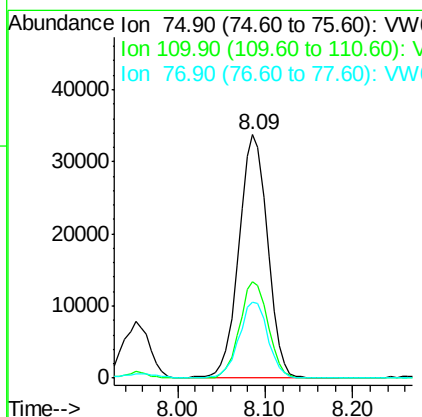
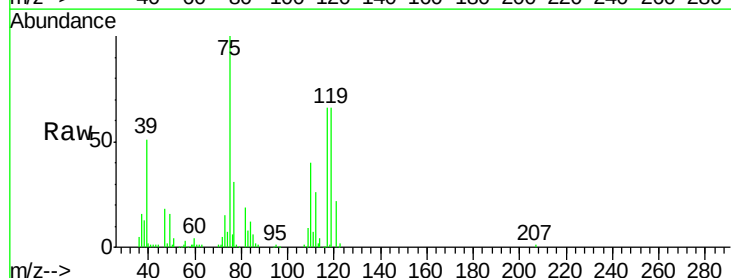
Manual Integrations
APPROVED

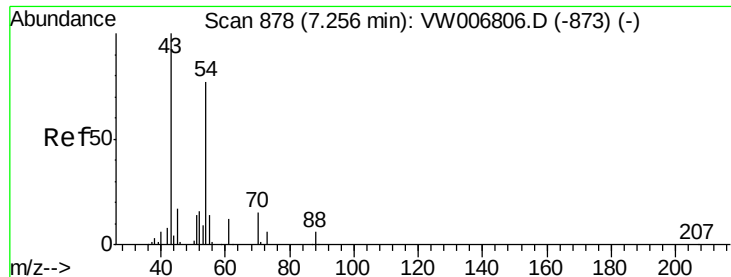
apatel
11/13/2018 3:57:49 PM



#36
1,1-Dichloropropene
Concen: 21.175 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	77095		
110	39.0	19.9	59.6	
77	31.6	25.4	38.2	





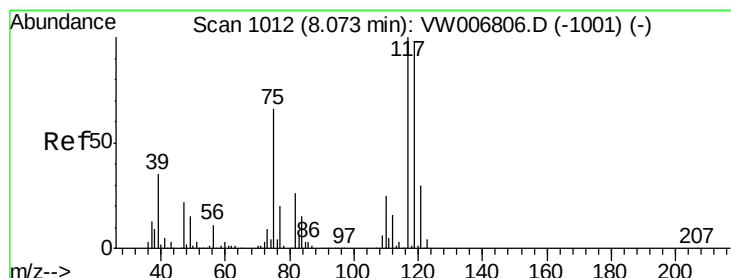
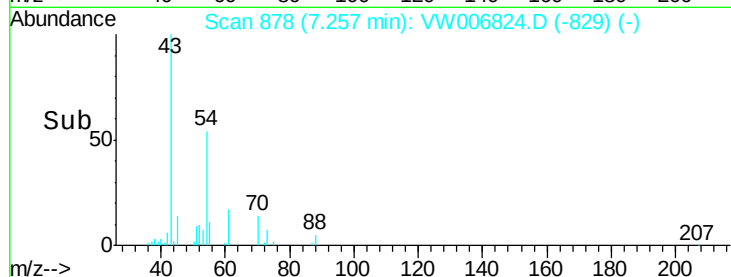
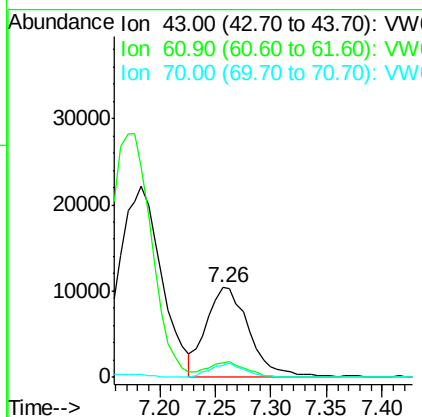
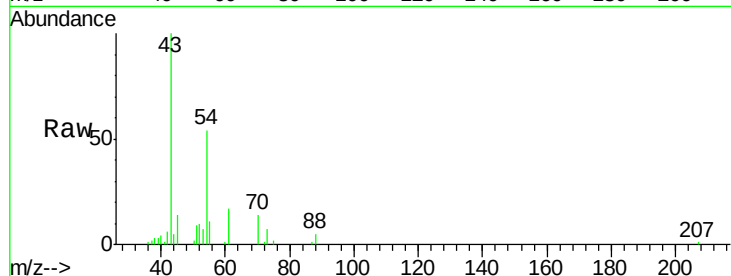
#37
Ethyl Acetate
Concen: 22.998 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD02

Tgt Ion: 43 Resp: 27380
Ion Ratio Lower Upper
43 100
61 15.6 11.7 17.5
70 13.0 10.0 15.0

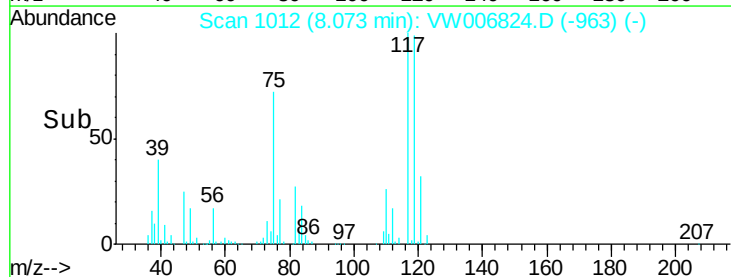
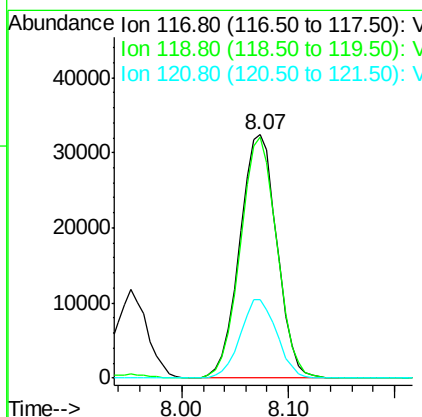
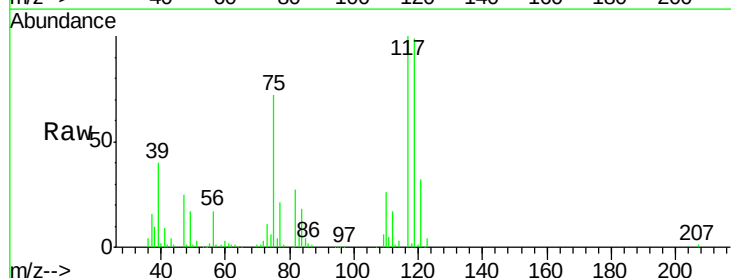
Manual Integrations
APPROVED

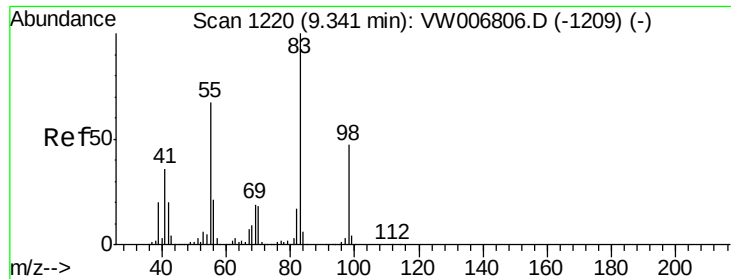
apatel
11/13/2018 3:57:49 PM



#38
Carbon Tetrachloride
Concen: 20.109 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Tgt Ion: 117 Resp: 79572
Ion Ratio Lower Upper
117 100
119 98.8 78.5 117.7
121 32.2 24.2 36.2





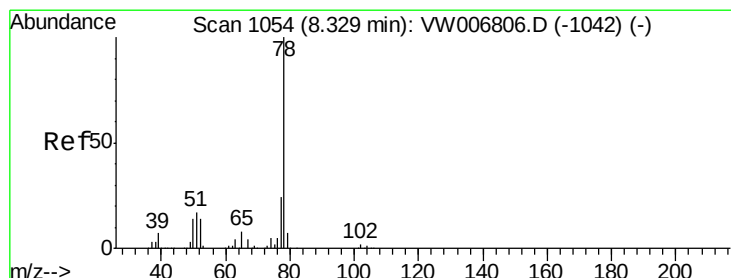
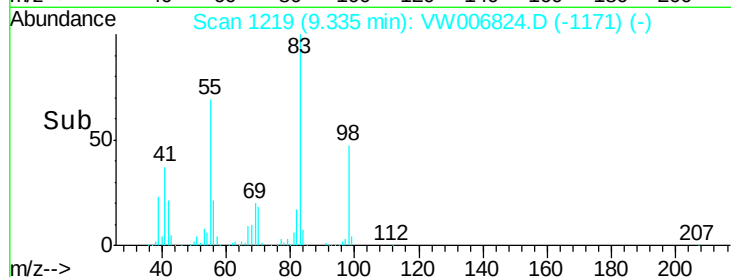
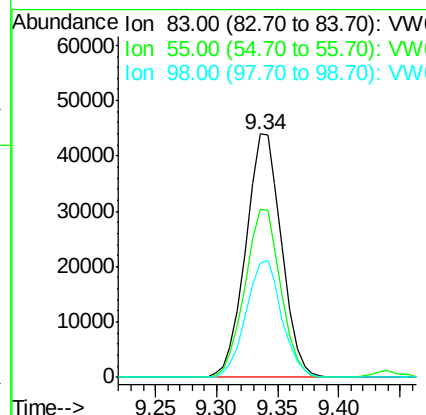
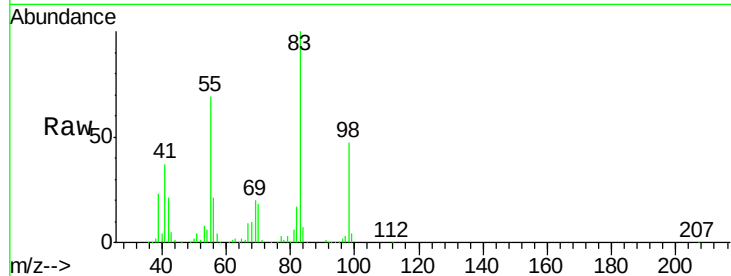
#39
Methylcyclohexane
Concen: 18.937 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	68.8	53.3	79.9
98	46.9	37.9	56.9

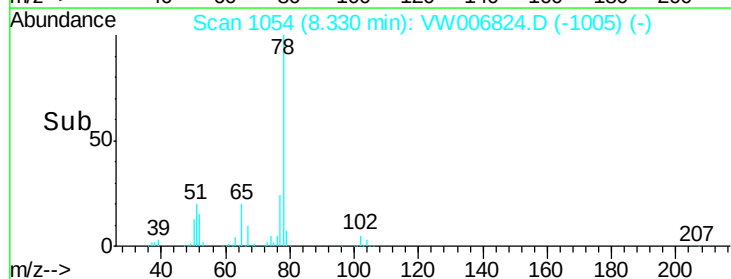
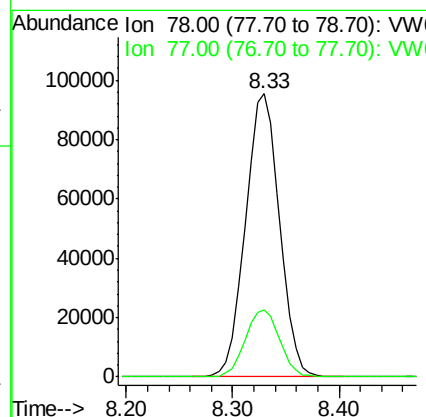
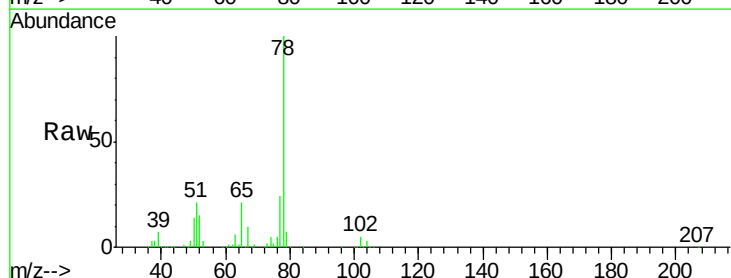
Manual Integrations
APPROVED

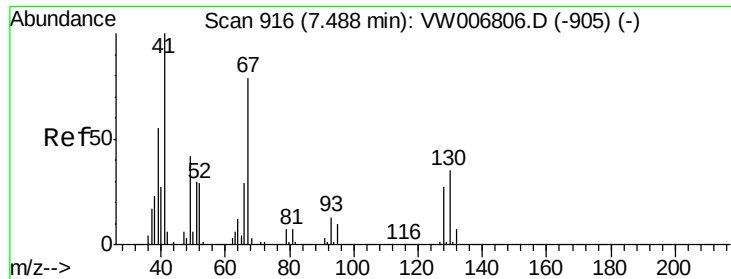
apatel
11/13/2018 3:57:49 PM



#40
Benzene
Concen: 21.157 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6





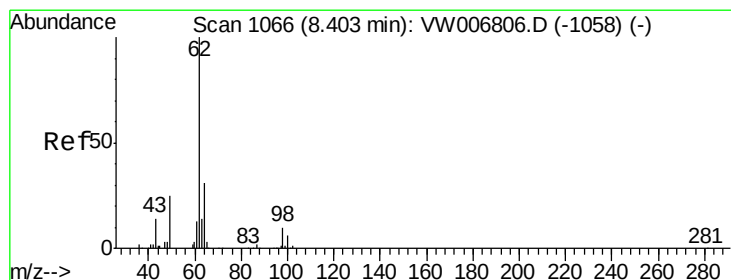
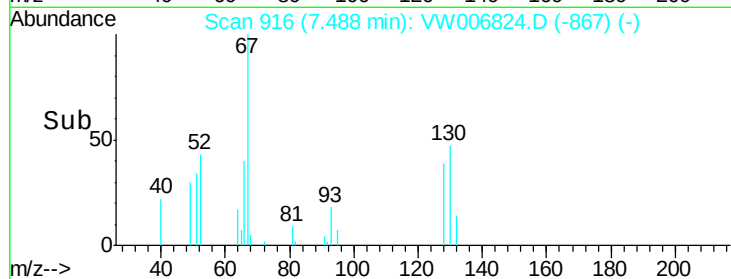
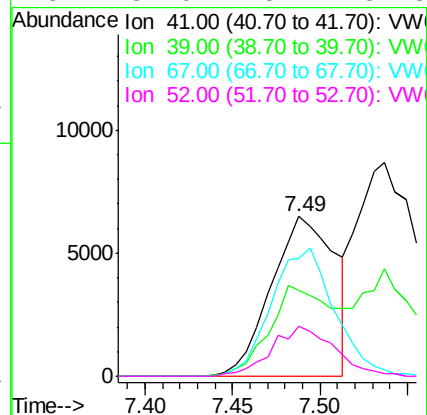
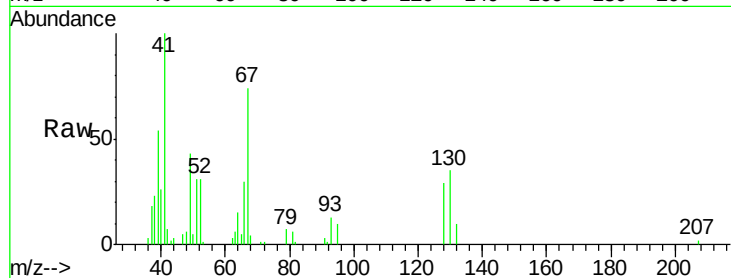
#41
Methacrylonitrile
Concen: 22.546 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	50.4	48.1	72.1
67	79.8	61.4	92.2
52	31.0	23.2	34.8

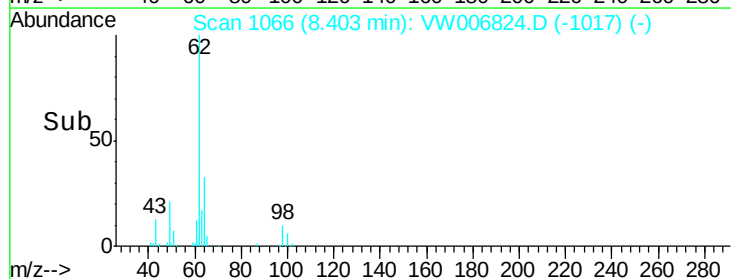
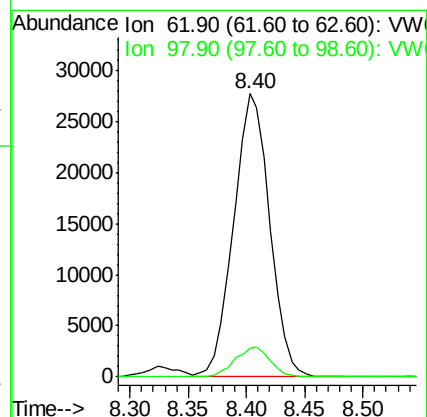
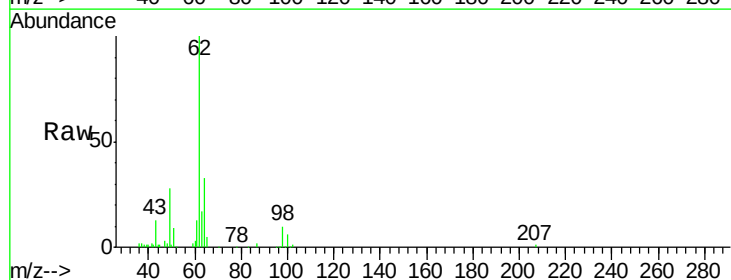
Manual Integrations
APPROVED

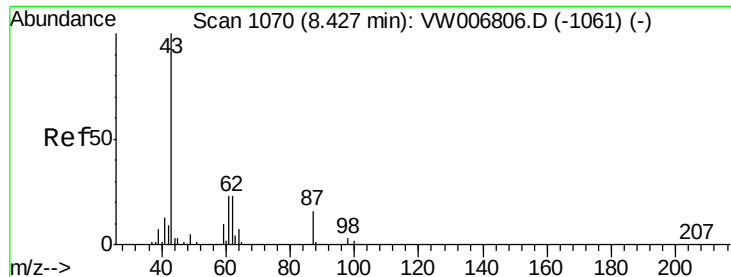
apatel
11/13/2018 3:57:49 PM



#42
1,2-Dichloroethane
Concen: 22.046 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.0





#43

Isopropyl Acetate

Concen: 22.395 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Instrument :

MSVOA_W

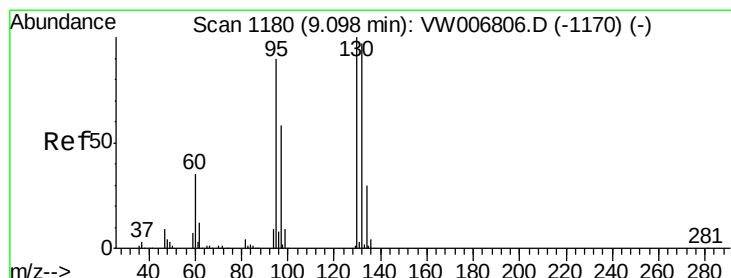
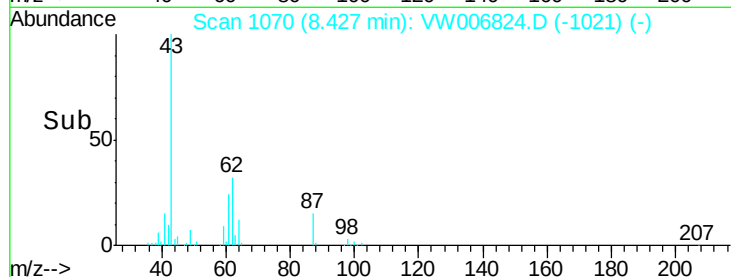
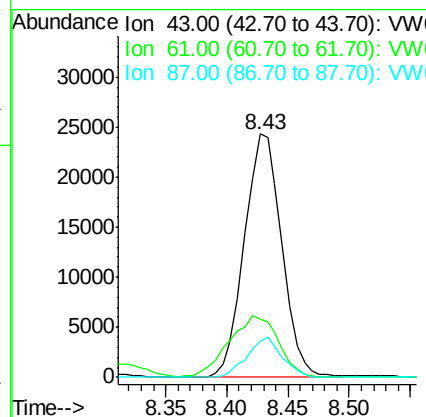
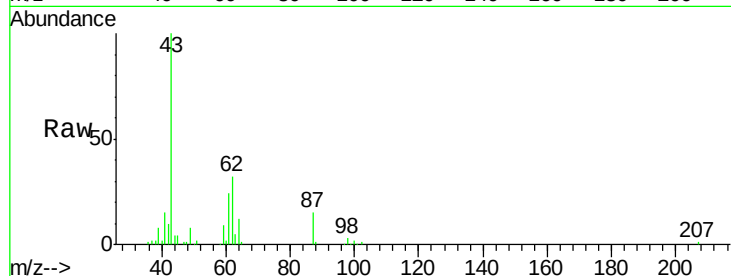
ClientSampleId :

VW1112SBSD02

Tgt Ion:	43	Resp:	51853
Ion Ratio	Lower	Upper	
43	100		
61	33.7	27.0	40.4
87	15.2	13.0	19.4

Manual Integrations
APPROVED

apatel
11/13/2018 3:57:49 PM



#44

Trichloroethene

Concen: 21.208 ug/l

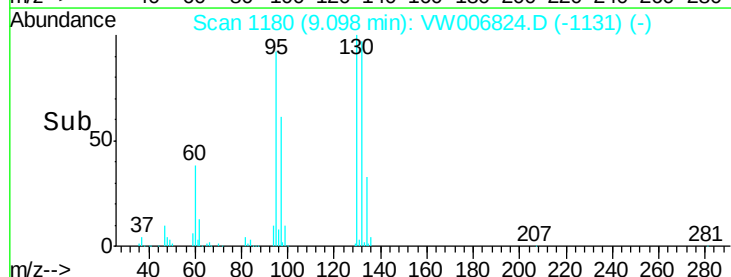
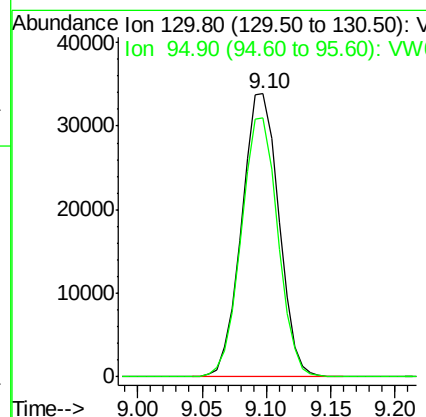
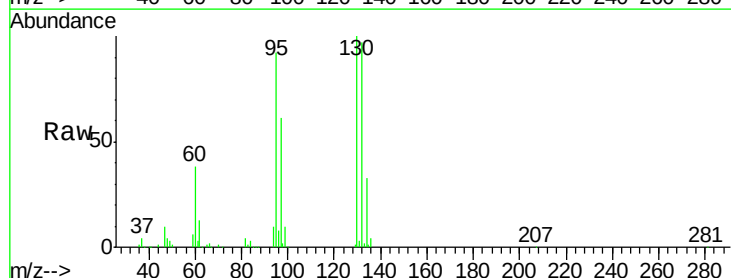
RT: 9.10 min Scan# 1180

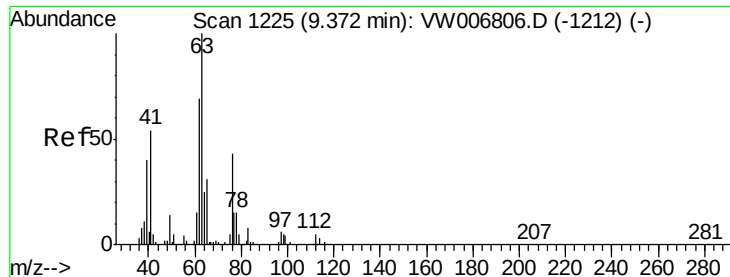
Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Tgt Ion:	130	Resp:	67748
Ion Ratio	Lower	Upper	
130	100		
95	91.5	0.0	180.2





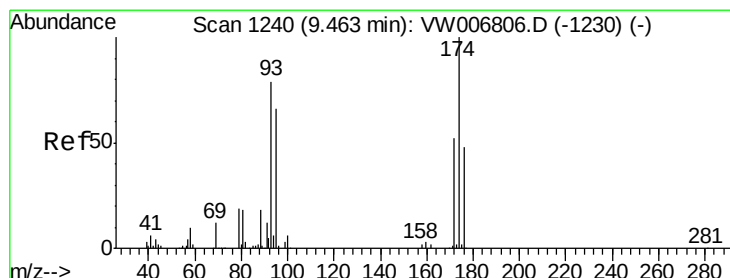
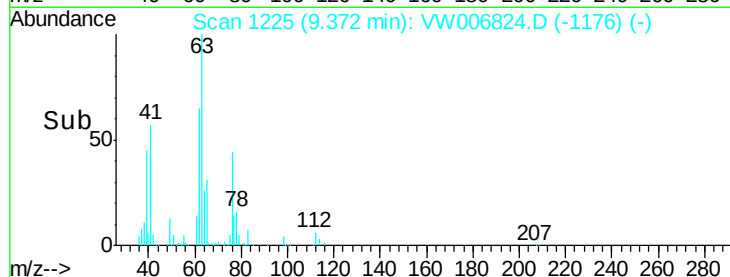
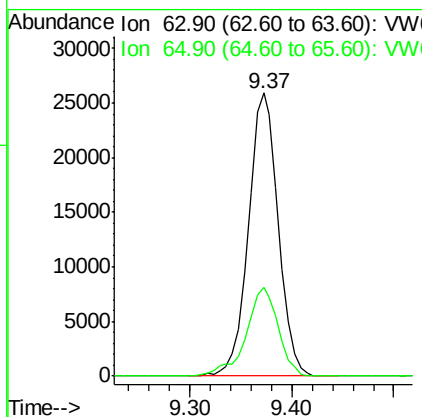
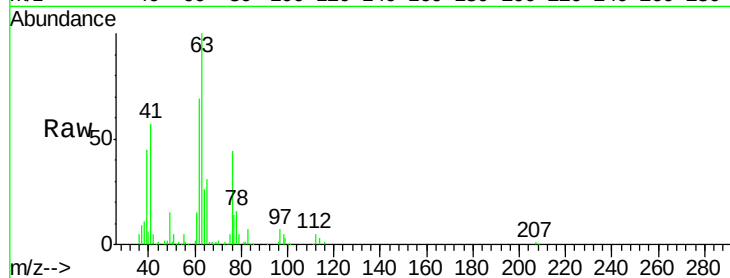
#45
 1,2-Dichloropropane
 Concen: 22.270 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006824.D
 Acq: 13 Nov 2018 00:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBSD02

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.4	36.6

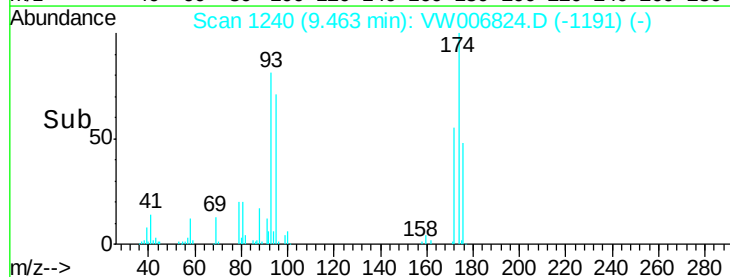
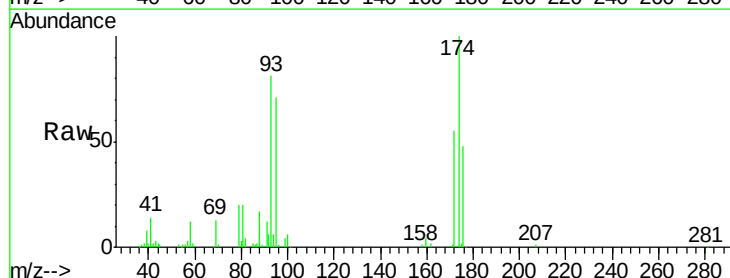
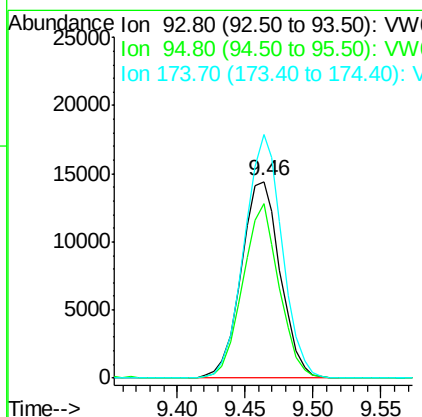
Manual Integrations
 APPROVED

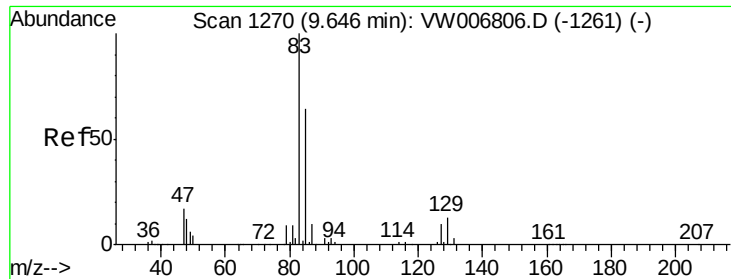
apatel
 11/13/2018 3:57:49 PM



#46
 Dibromomethane
 Concen: 22.068 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006824.D
 Acq: 13 Nov 2018 00:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.0	67.0	100.6
174	119.8	98.6	147.8





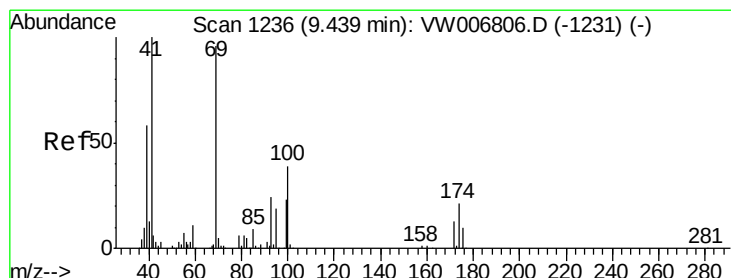
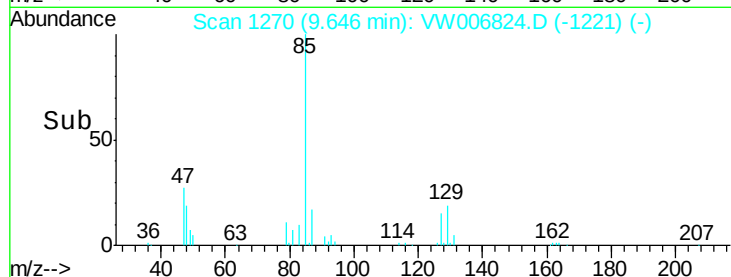
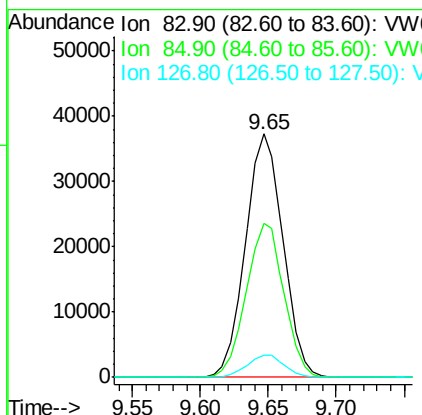
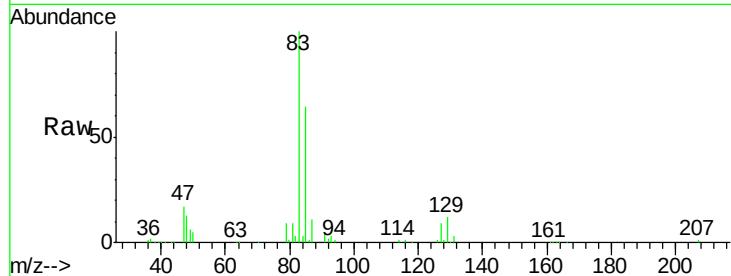
#47
Bromodichloromethane
Concen: 22.076 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.4	77.0
127	9.3	7.6	11.4

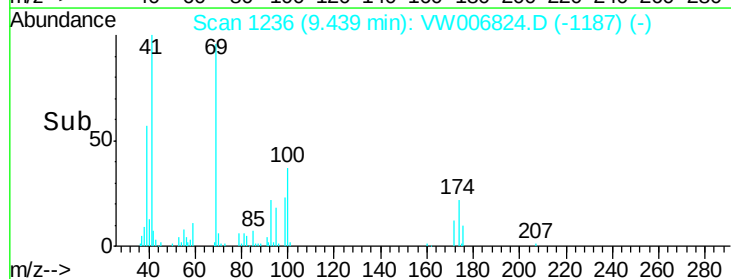
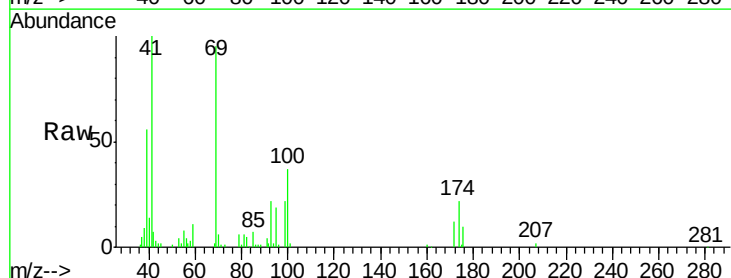
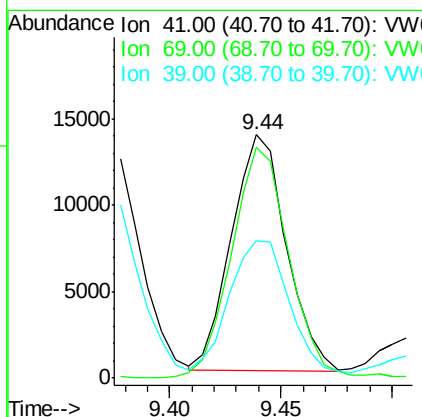
Manual Integrations
APPROVED

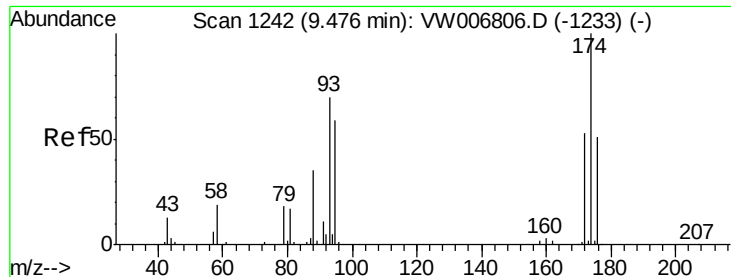
apatel
11/13/2018 3:57:49 PM



#48
Methyl methacrylate
Concen: 20.499 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Tgt Ion	Ratio	Lower	Upper
41	100		
69	103.6	79.8	119.6
39	65.6	45.9	68.9





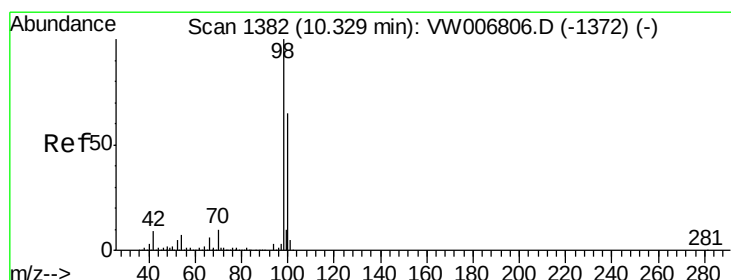
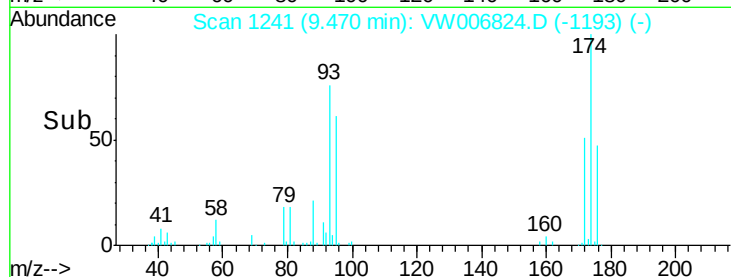
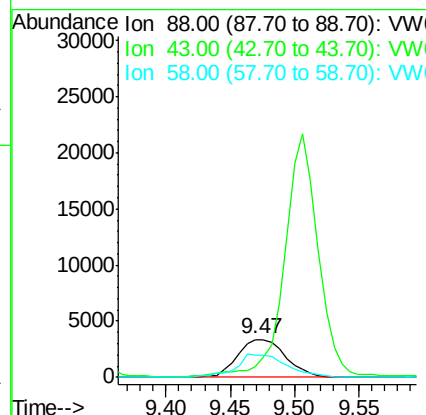
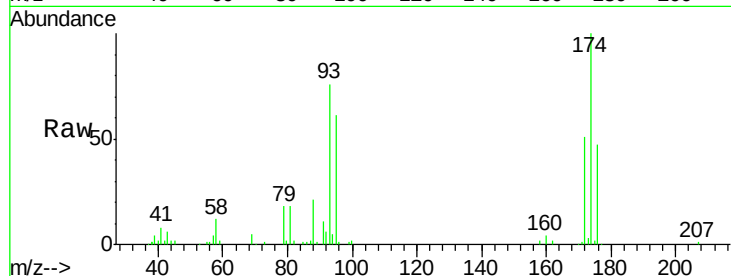
#49
1,4-Dioxane
Concen: 438.985 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	8711		
43	0.0	0.0	0.0	0.0
58	63.8	50.6	75.8	

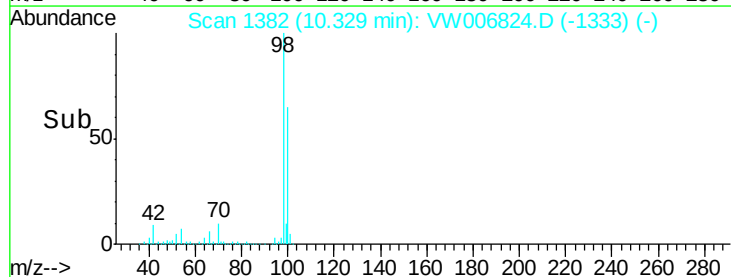
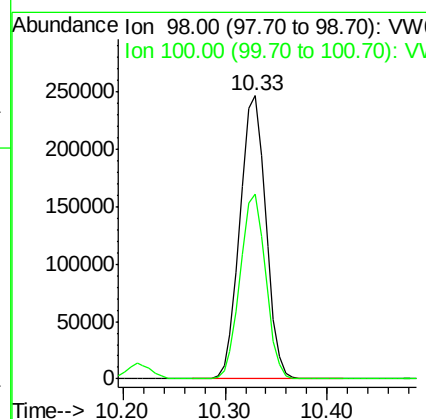
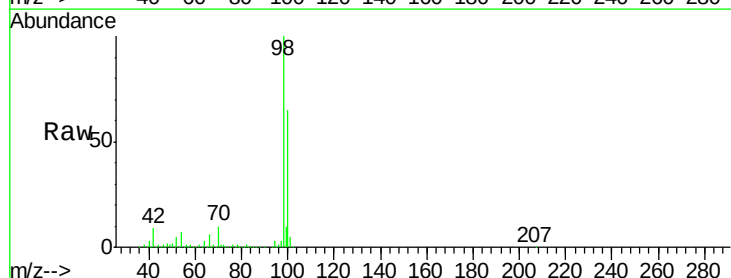
Manual Integrations
APPROVED

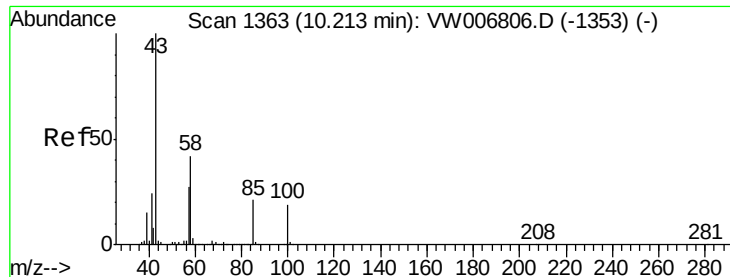
apatel
11/13/2018 3:57:49 PM



#50
Toluene-d8
Concen: 45.124 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	433301		
100	64.6	51.4	77.2	





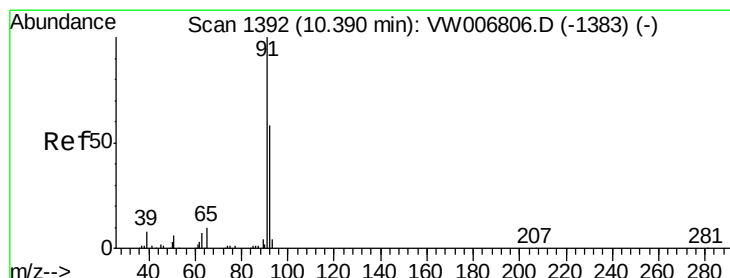
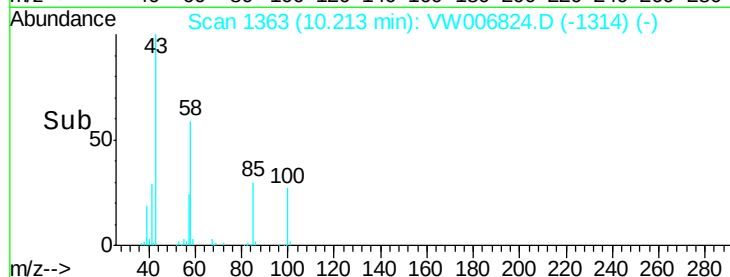
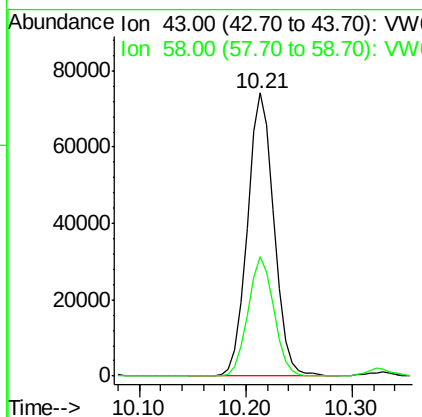
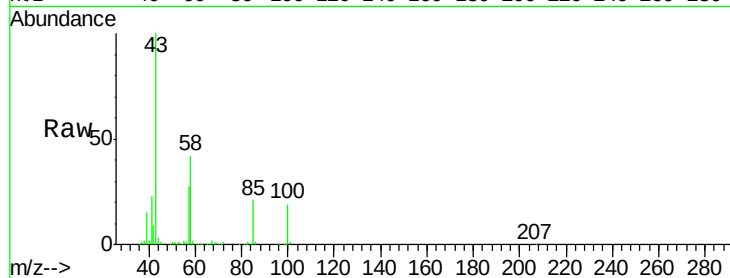
#51
4-Methyl-2-Pentanone
Concen: 111.785 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD02

Tgt Ion: 43 Resp: 129782
Ion Ratio Lower Upper
43 100
58 41.3 34.0 51.0

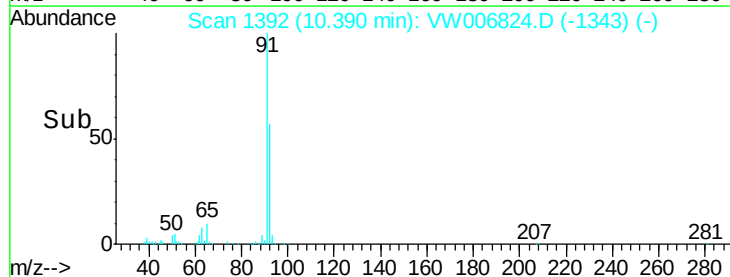
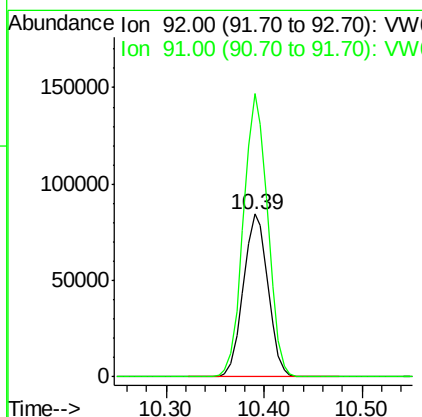
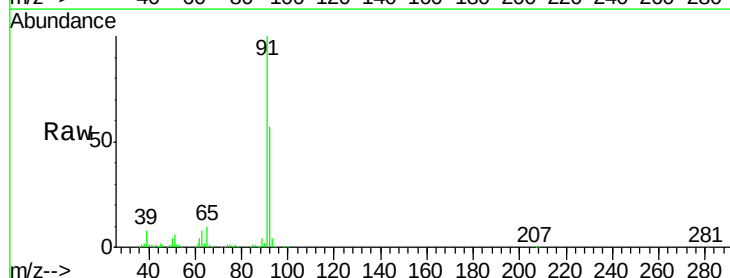
Manual Integrations
APPROVED

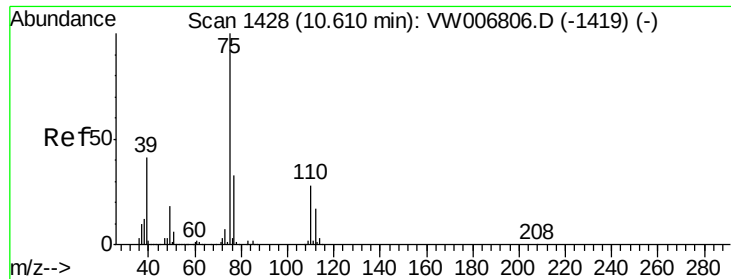
apatel
11/13/2018 3:57:49 PM



#52
Toluene
Concen: 20.556 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Tgt Ion: 92 Resp: 147532
Ion Ratio Lower Upper
92 100
91 171.3 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 21.121 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBSD02

Tgt Ion: 75 Resp: 67739

Ion Ratio Lower Upper

75 100

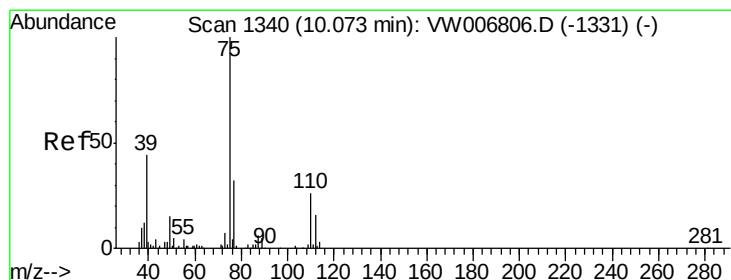
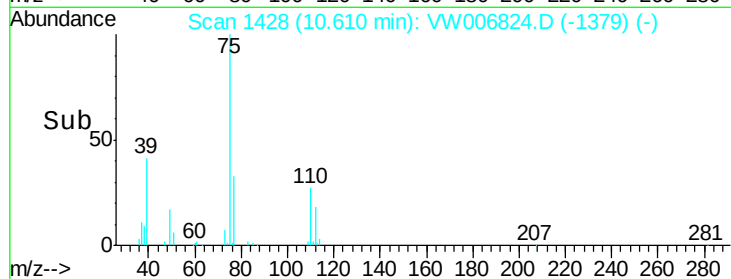
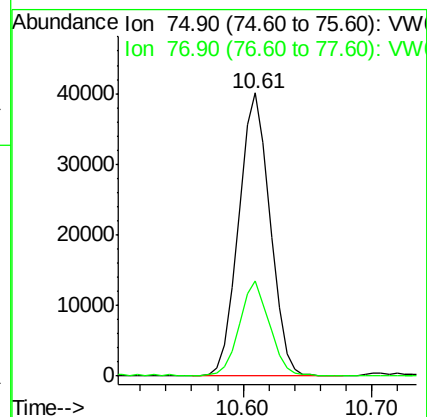
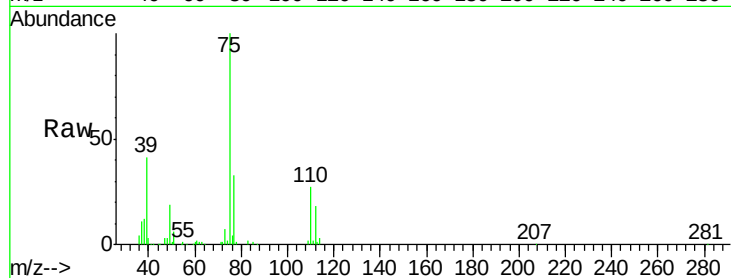
77 33.2 26.3 39.5

Manual Integrations

APPROVED

apatel

11/13/2018 3:57:49 PM



#54

cis-1,3-Dichloropropene

Concen: 21.245 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

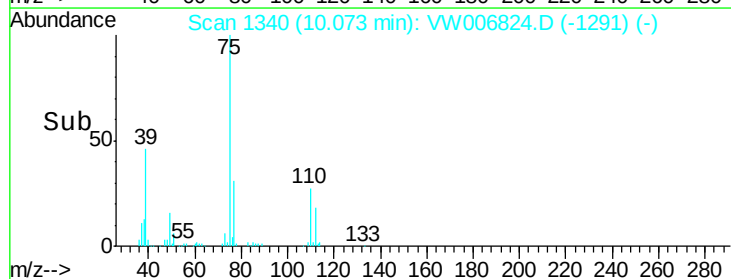
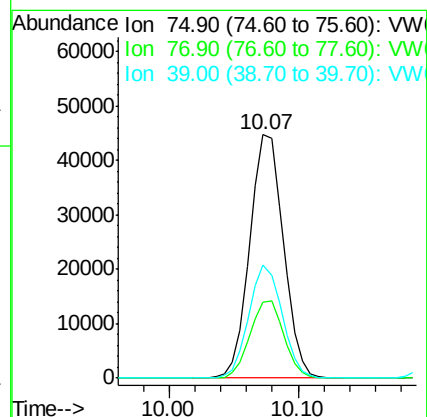
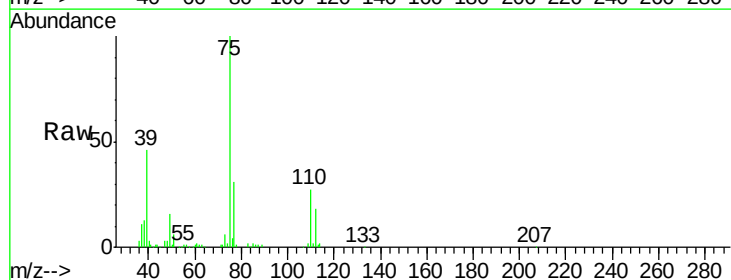
Tgt Ion: 75 Resp: 80794

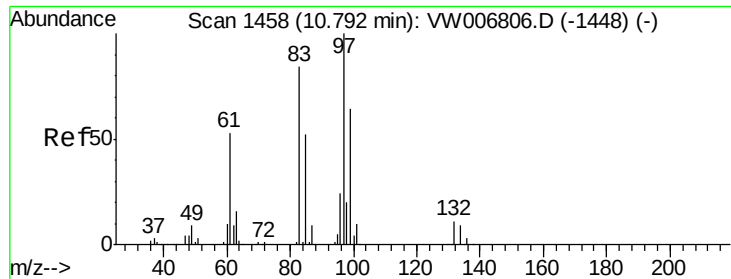
Ion Ratio Lower Upper

75 100

77 31.1 25.2 37.8

39 46.2 35.3 52.9





#55

1,1,2-Trichloroethane

Concen: 22.538 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Instrument :

MSVOA_W

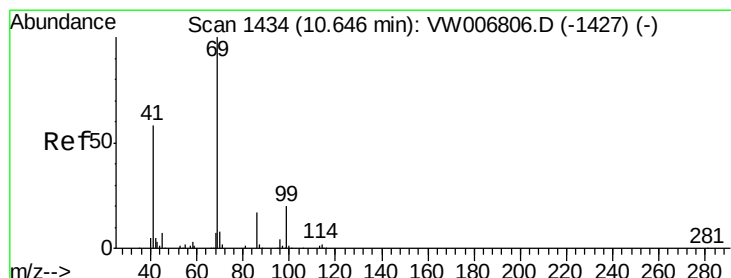
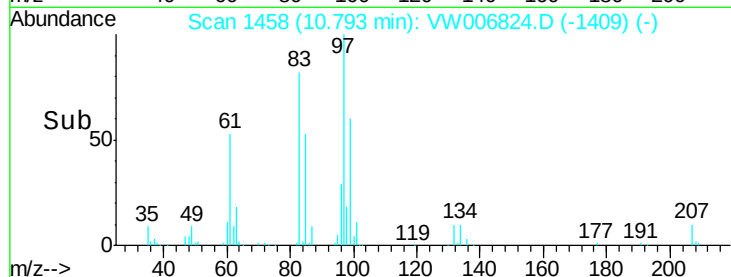
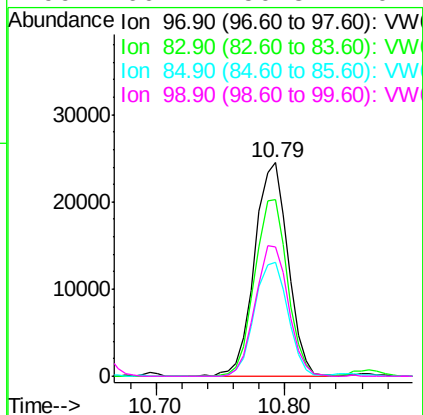
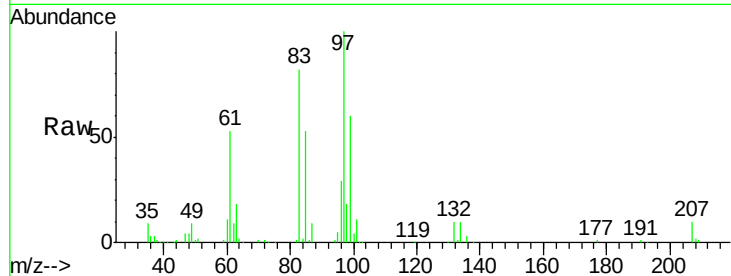
ClientSampleId :

VW1112SBSD02

Tgt Ion:	97	Resp:	43926
Ion	Ratio	Lower	Upper
97	100		
83	82.5	67.0	100.4
85	53.4	41.7	62.5
99	60.4	50.8	76.2

Manual Integrations
APPROVED

apatel
11/13/2018 3:57:49 PM



#56

Ethyl methacrylate

Concen: 21.038 ug/l

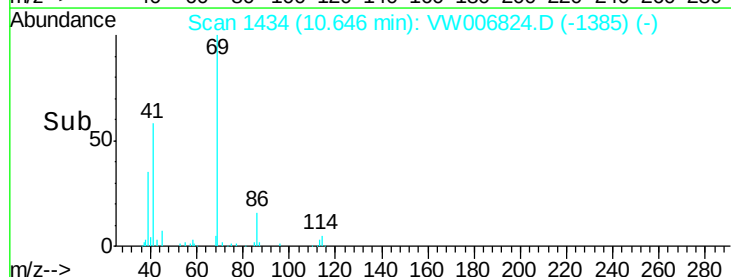
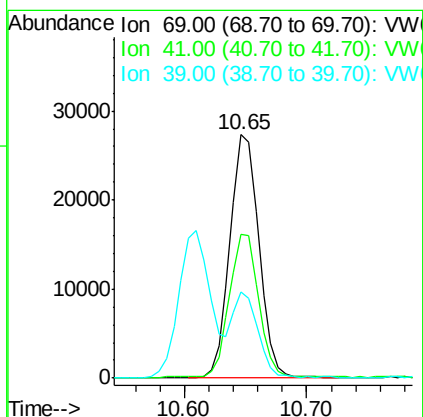
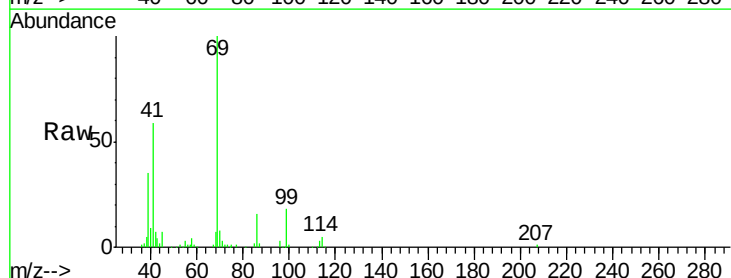
RT: 10.65 min Scan# 1434

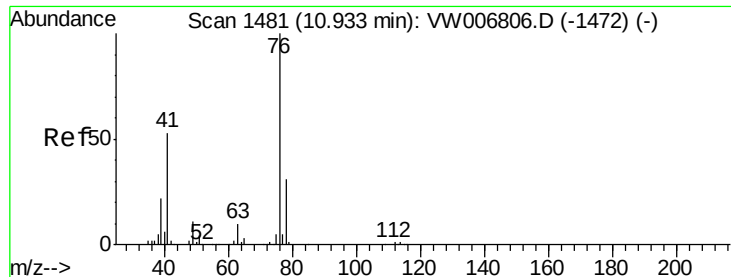
Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Tgt Ion:	69	Resp:	44937
Ion	Ratio	Lower	Upper
69	100		
41	58.3	47.0	70.4
39	30.4	23.1	34.7





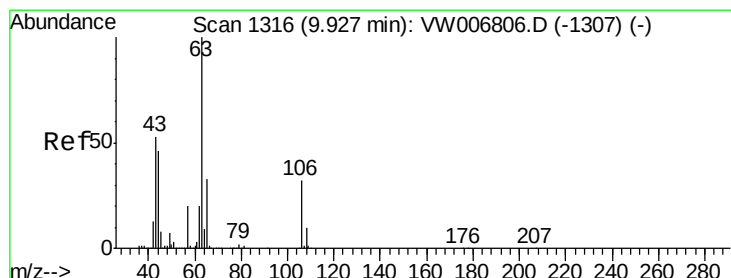
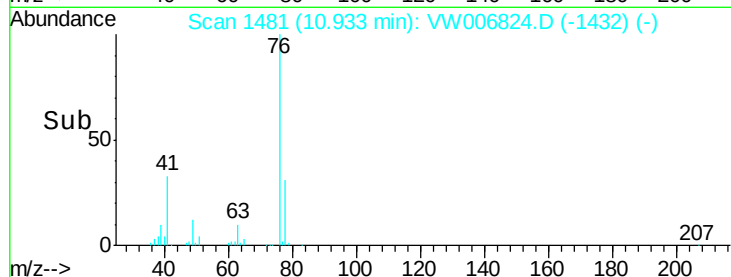
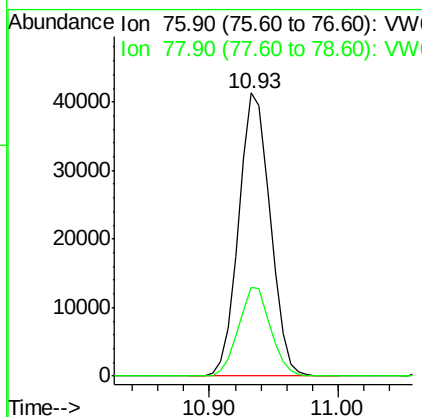
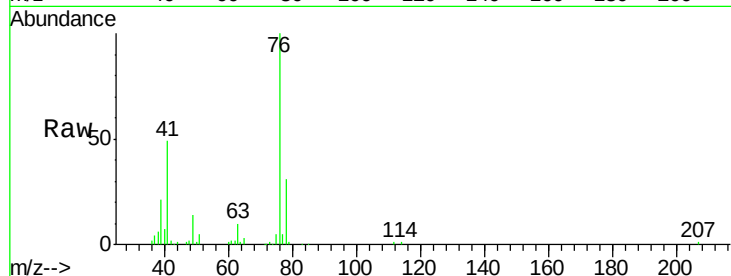
#57
 1,3-Dichloropropane
 Concen: 22.667 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW006824.D
 Acq: 13 Nov 2018 00:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBS02

Tgt Ion: 76 Resp: 69963
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.2 39.2

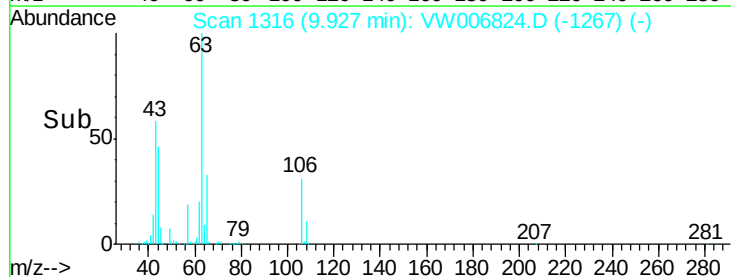
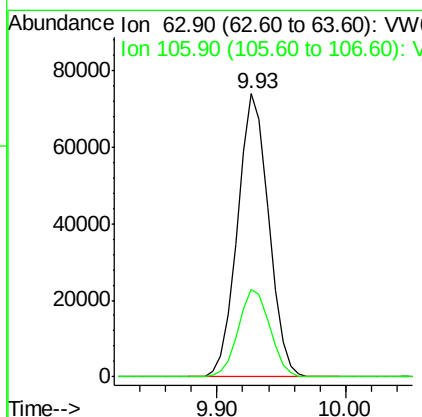
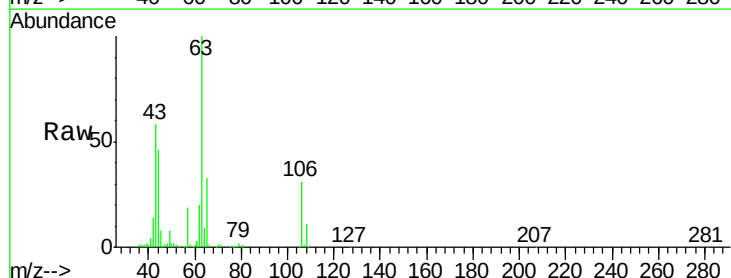
Manual Integrations
 APPROVED

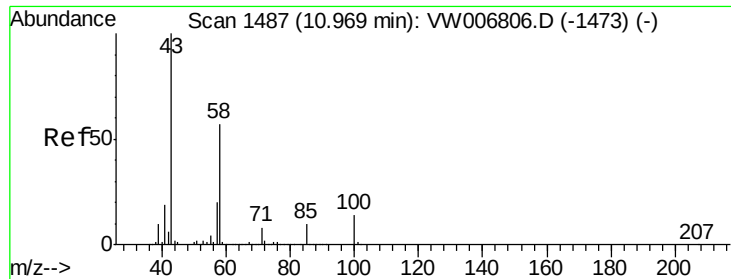
apatel
 11/13/2018 3:57:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.592 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006824.D
 Acq: 13 Nov 2018 00:36

Tgt Ion: 63 Resp: 123658
 Ion Ratio Lower Upper
 63 100
 106 31.3 25.4 38.0





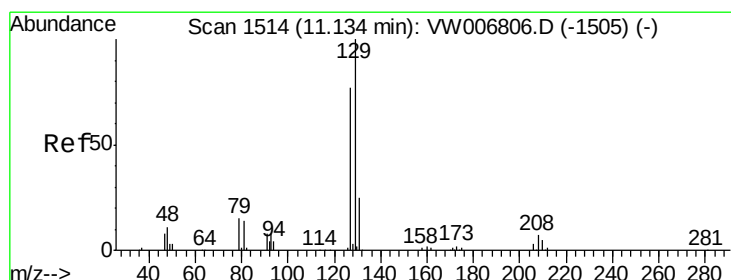
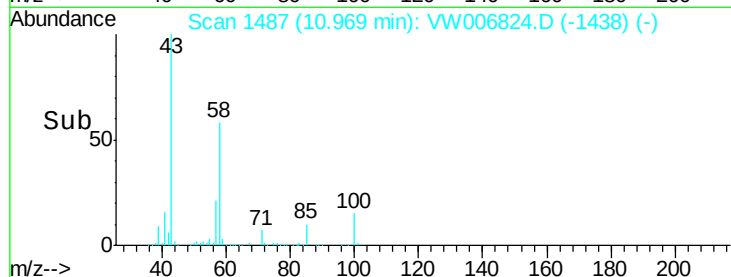
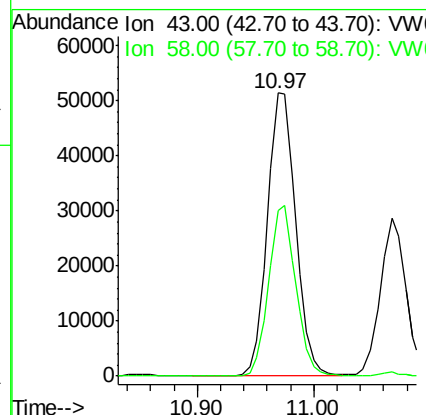
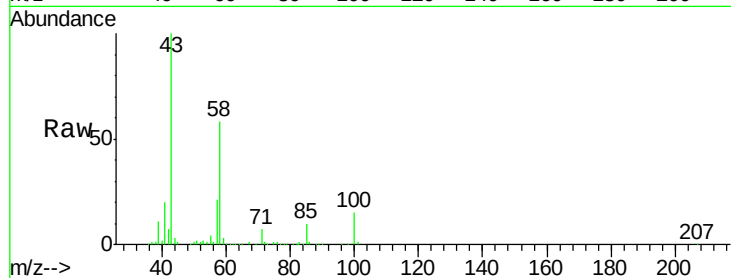
#59
2-Hexanone
Concen: 108.148 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD02

Tgt Ion: 43 Resp: 86606
Ion Ratio Lower Upper
43 100
58 57.7 28.7 86.1

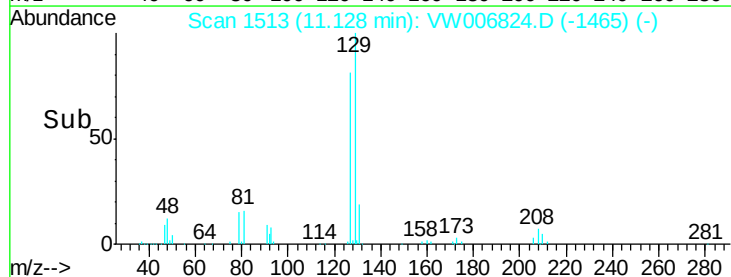
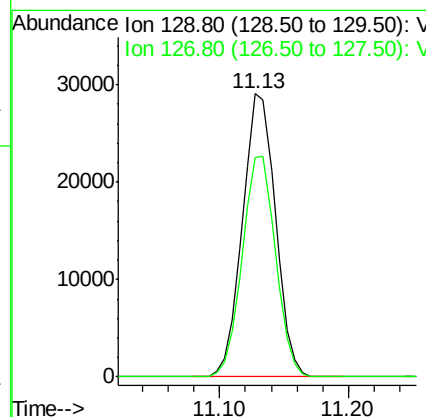
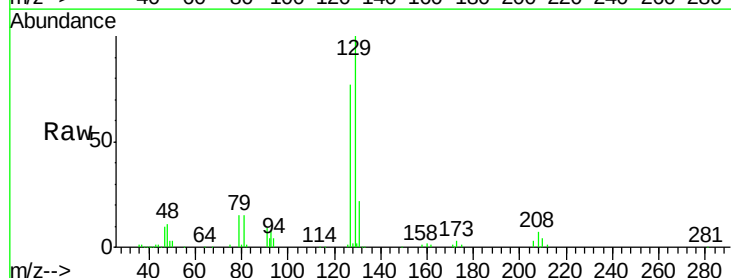
Manual Integrations
APPROVED

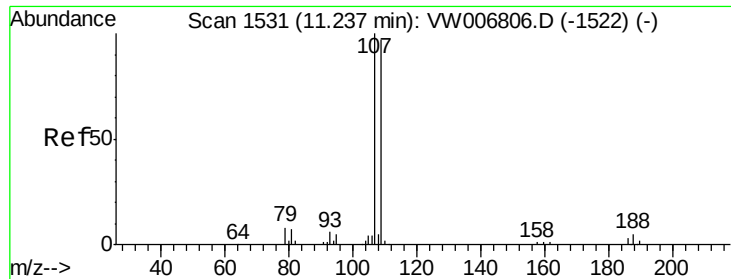
apatel
11/13/2018 3:57:49 PM



#60
Dibromochloromethane
Concen: 21.626 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Tgt Ion: 129 Resp: 51576
Ion Ratio Lower Upper
129 100
127 78.5 38.7 116.1





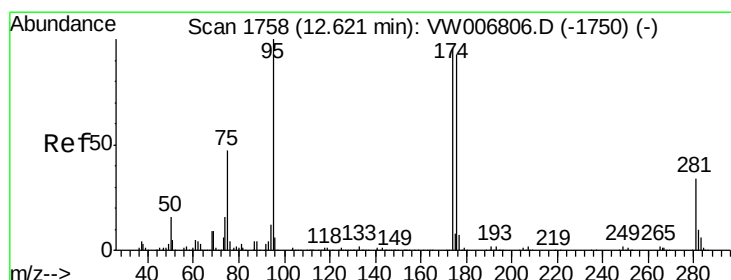
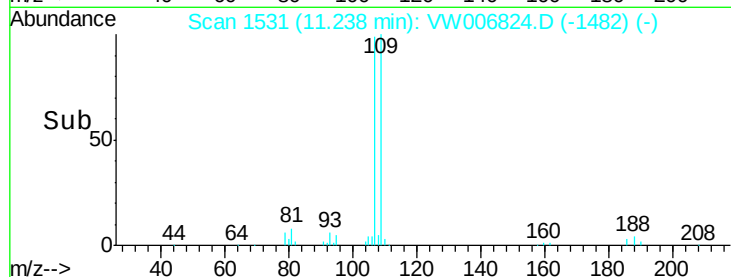
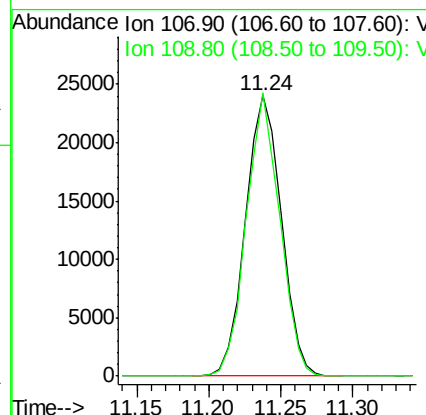
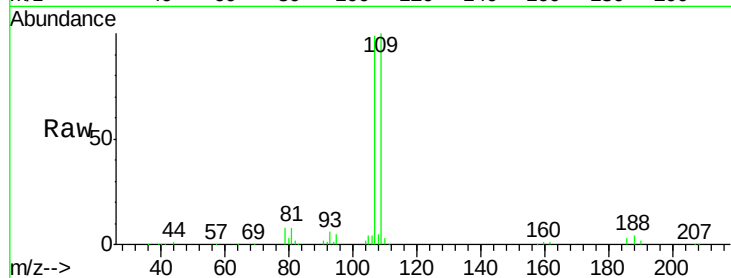
#61
1,2-Dibromoethane
Concen: 22.344 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD02

Tgt Ion: 107 Resp: 41359
Ion Ratio Lower Upper
107 100
109 94.3 76.7 115.1

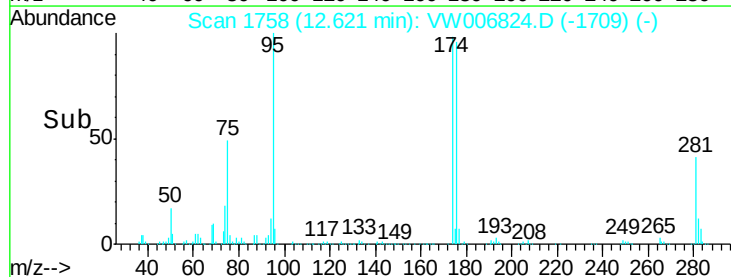
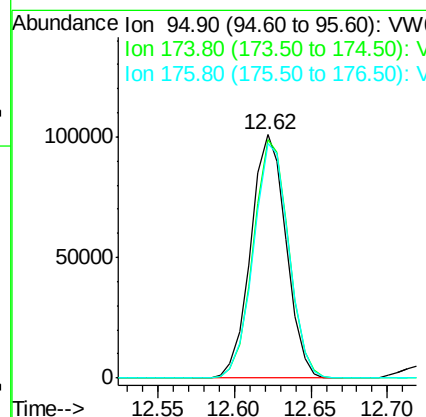
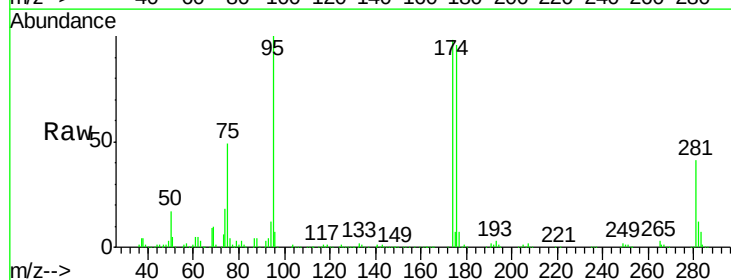
Manual Integrations
APPROVED

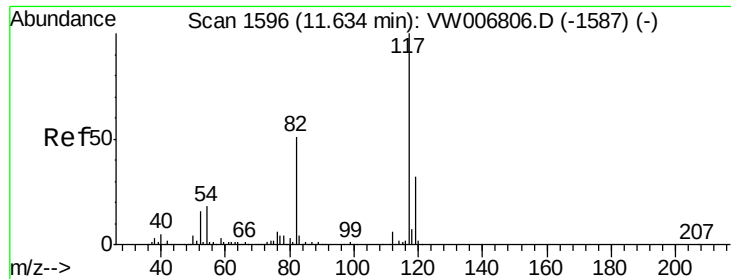
apatel
11/13/2018 3:57:49 PM



#62
4-Bromofluorobenzene
Concen: 45.798 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Tgt Ion: 95 Resp: 161974
Ion Ratio Lower Upper
95 100
174 98.1 0.0 196.6
176 96.4 0.0 191.6





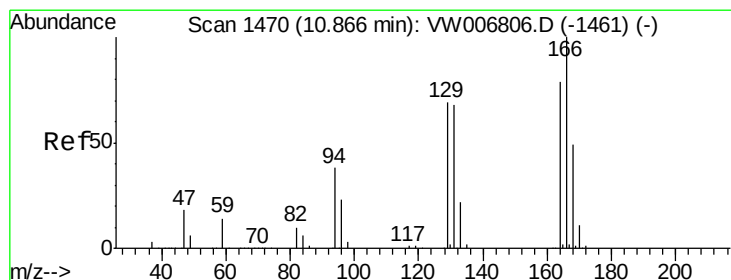
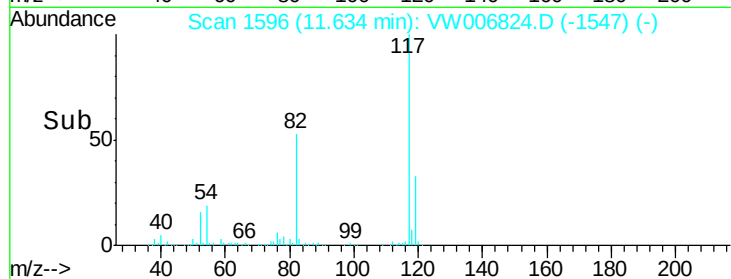
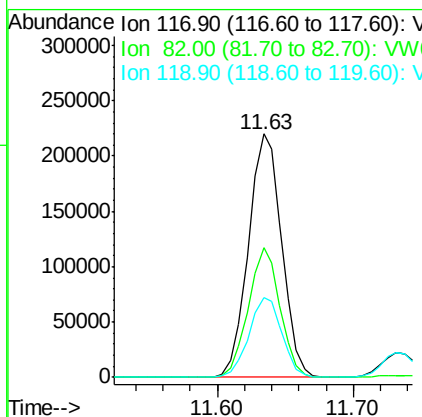
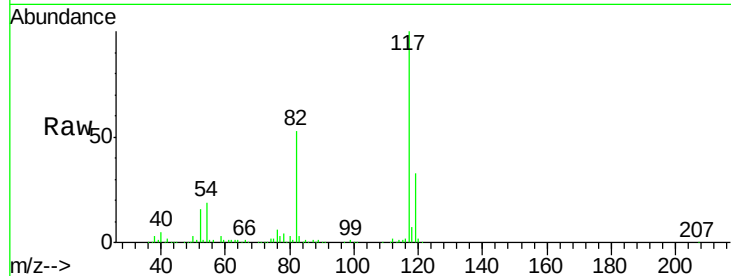
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	376359		
82	53.2	40.6	61.0	
119	32.9	25.5	38.3	

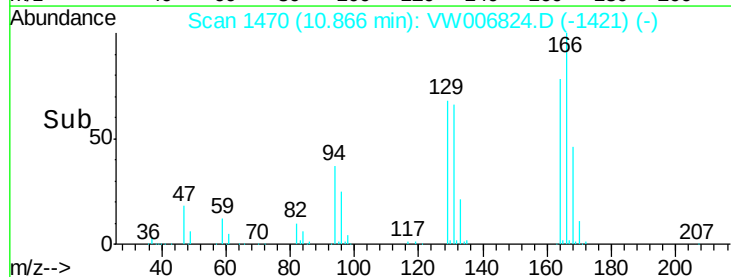
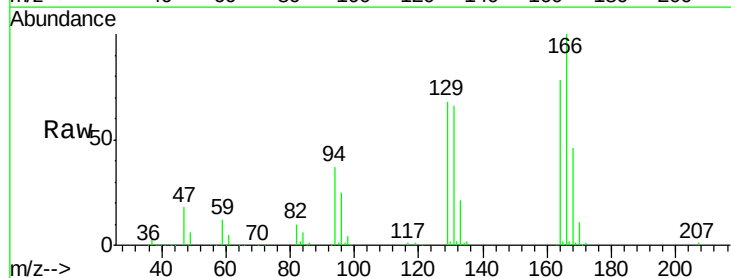
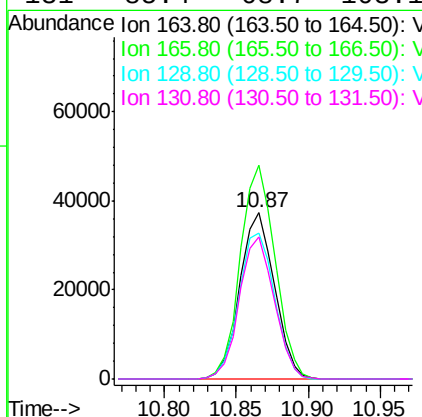
Manual Integrations
APPROVED

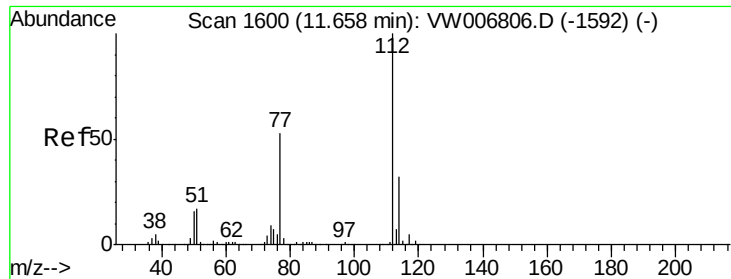
apatel
11/13/2018 3:57:49 PM



#64
Tetrachloroethene
Concen: 20.636 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	62239		
166	128.5	101.3	151.9	
129	87.7	69.6	104.4	
131	85.4	68.7	103.1	





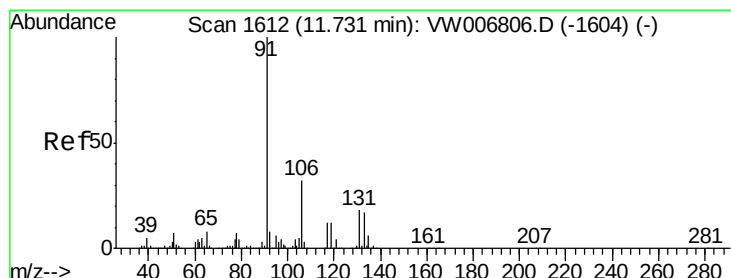
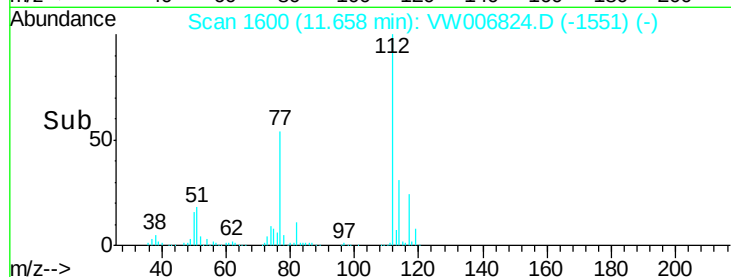
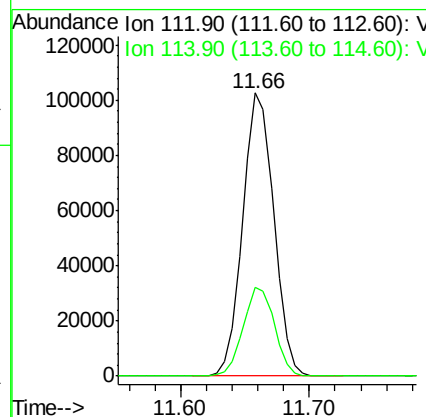
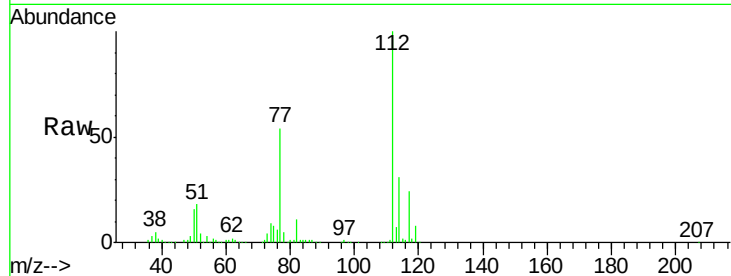
#65
Chlorobenzene
Concen: 20.468 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD02

Tgt Ion:112 Resp: 170894
Ion Ratio Lower Upper
112 100
114 31.3 26.0 39.0

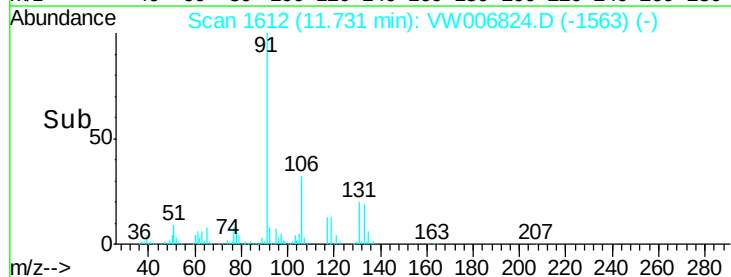
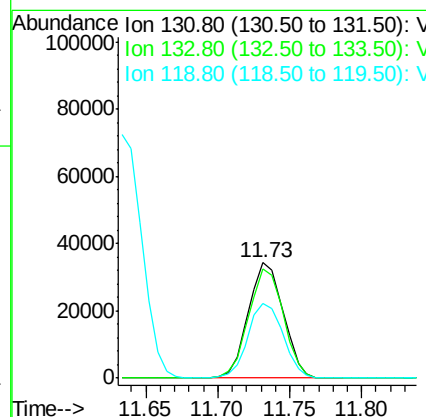
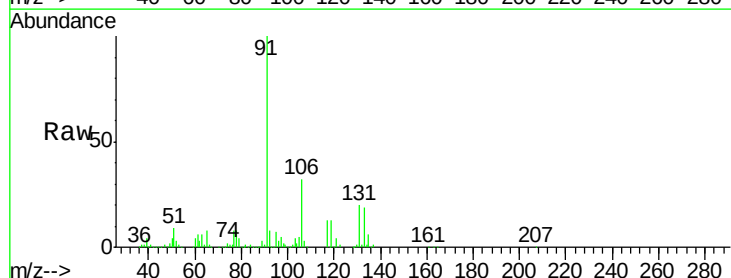
Manual Integrations
APPROVED

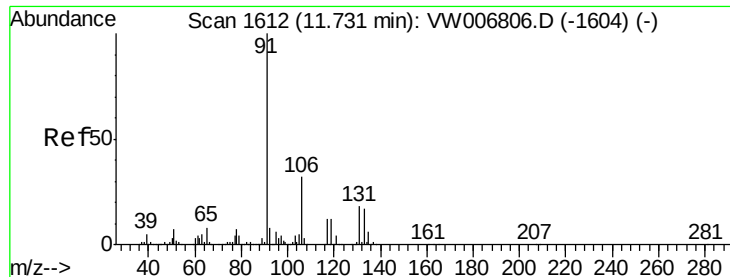
apatel
11/13/2018 3:57:49 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.352 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Tgt Ion:131 Resp: 57849
Ion Ratio Lower Upper
131 100
133 94.1 47.9 143.8
119 65.2 32.4 97.2





#67

Ethyl Benzene

Concen: 19.847 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. 0.01 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBSD02

Tgt Ion: 91 Resp: 282502

Ion Ratio Lower Upper

91 100

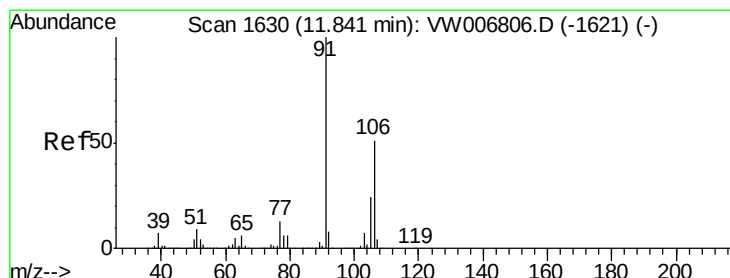
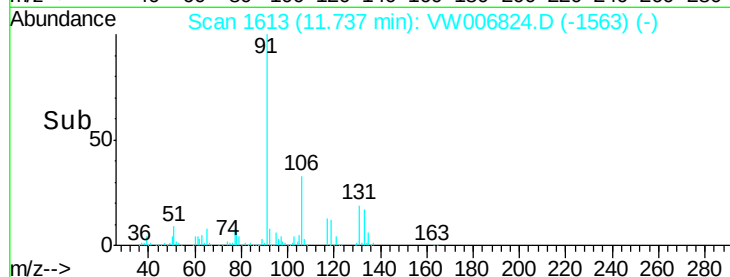
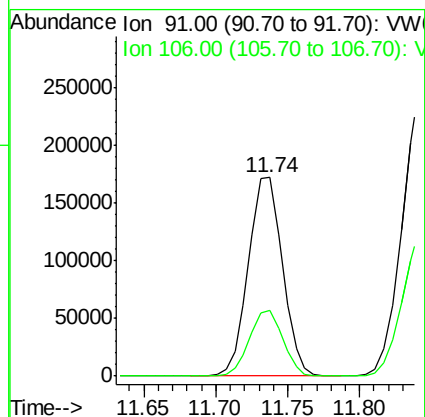
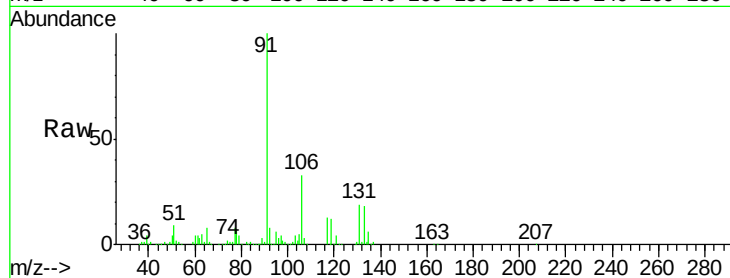
106 32.9 25.4 38.0

Manual Integrations

APPROVED

apatel

11/13/2018 3:57:49 PM



#68

m/p-Xylenes

Concen: 40.637 ug/l

RT: 11.85 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VW006824.D

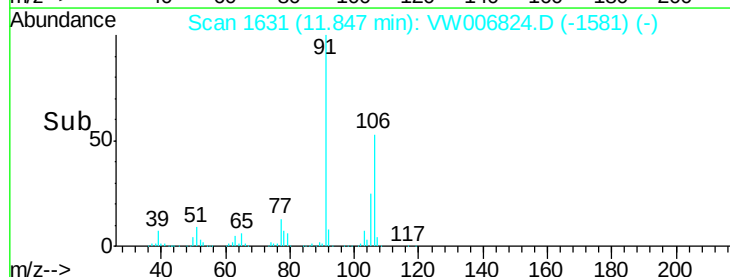
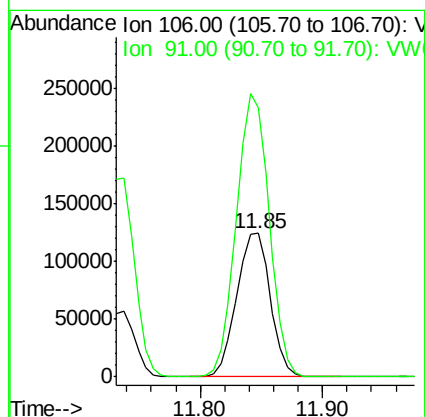
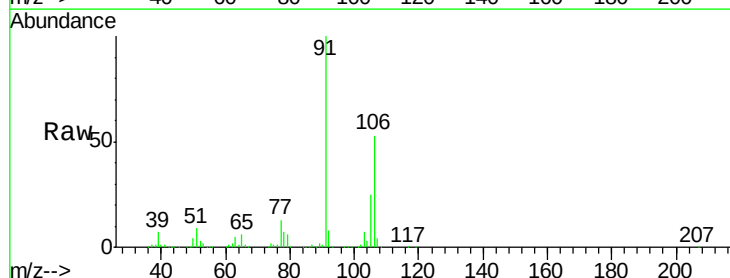
Acq: 13 Nov 2018 00:36

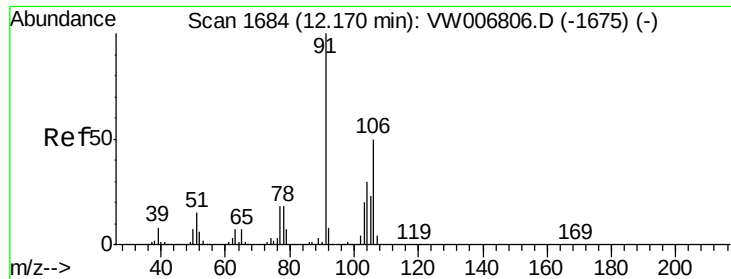
Tgt Ion: 106 Resp: 236669

Ion Ratio Lower Upper

106 100

91 192.7 155.7 233.5





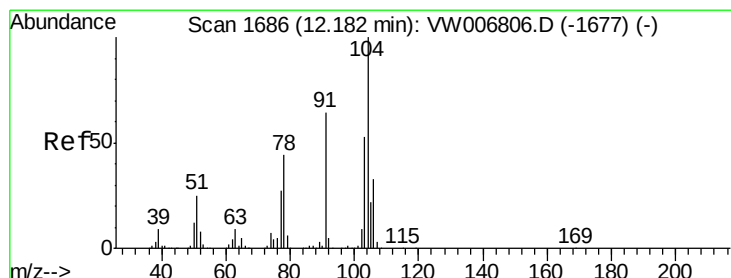
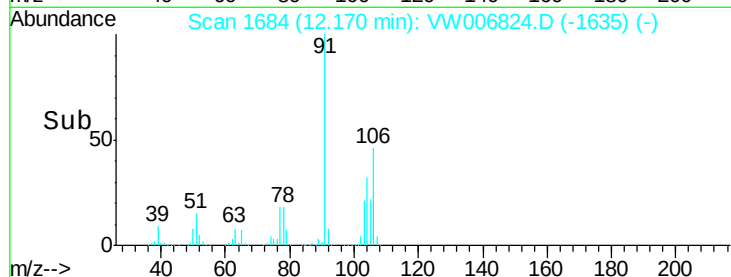
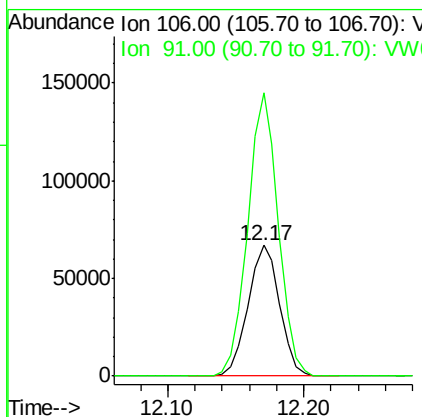
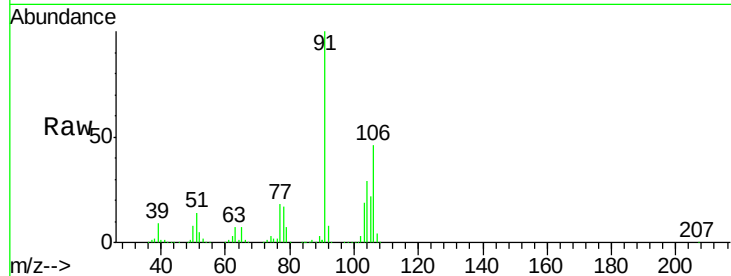
#69
o-Xylene
Concen: 20.081 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD02

Tgt Ion:106 Resp: 108843
Ion Ratio Lower Upper
106 100
91 208.8 101.9 305.7

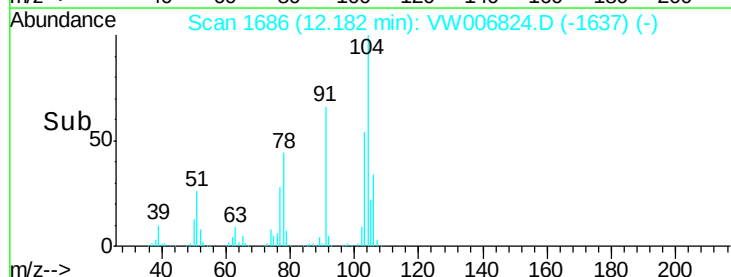
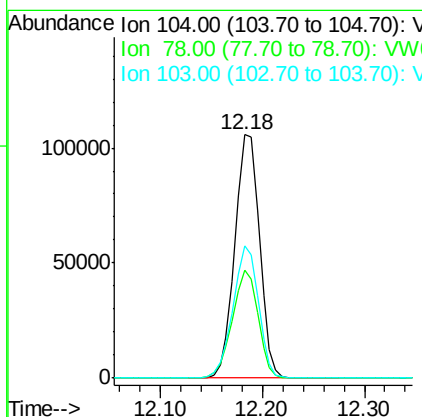
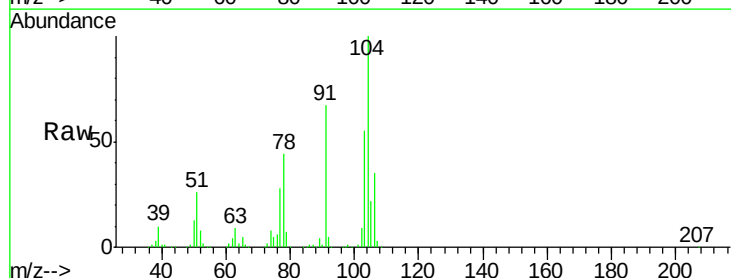
Manual Integrations
APPROVED

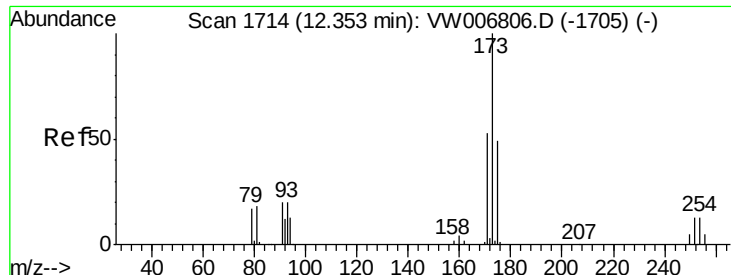
apatel
11/13/2018 3:57:49 PM



#70
Styrene
Concen: 20.400 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Tgt Ion:104 Resp: 176977
Ion Ratio Lower Upper
104 100
78 46.4 37.3 55.9
103 56.0 44.6 66.8





#71

Bromoform

Concen: 21.182 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBSD02

Tgt Ion:173 Resp: 31320

Ion Ratio Lower Upper

173 100

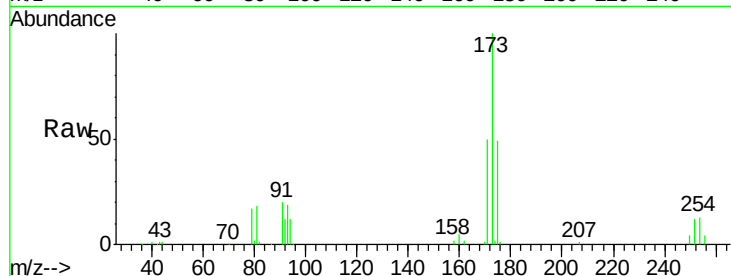
175 48.9 24.4 73.4

254 0.0 0.1 0.1#

Manual Integrations
APPROVED

apatel

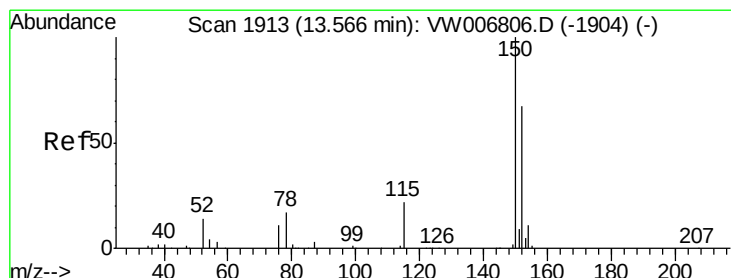
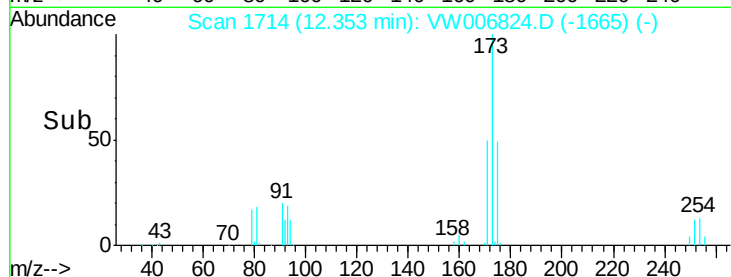
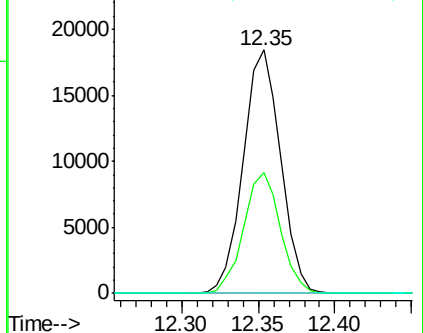
11/13/2018 3:57:49 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

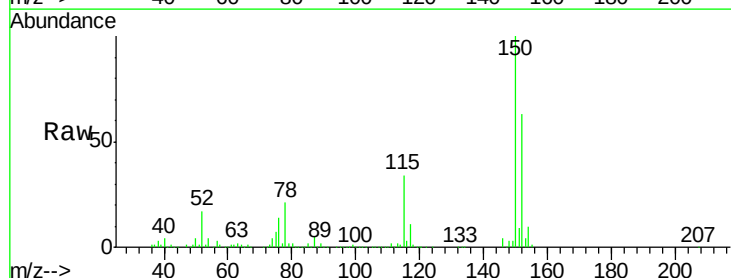
Tgt Ion:152 Resp: 216888

Ion Ratio Lower Upper

152 100

115 53.6 27.3 81.8

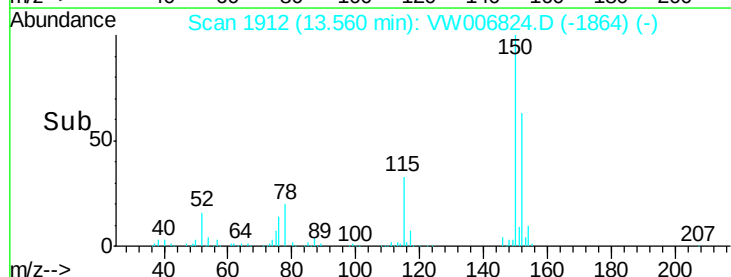
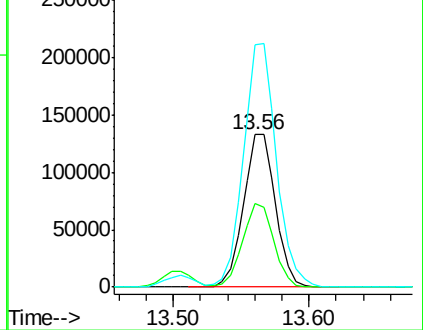
150 165.4 0.0 353.0

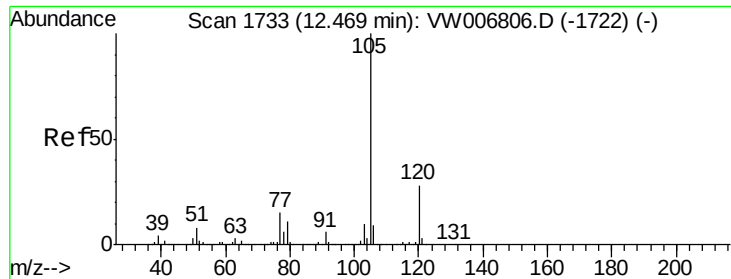


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.468 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBSD02

Tgt Ion: 105 Resp: 293089

Ion Ratio Lower Upper

105 100

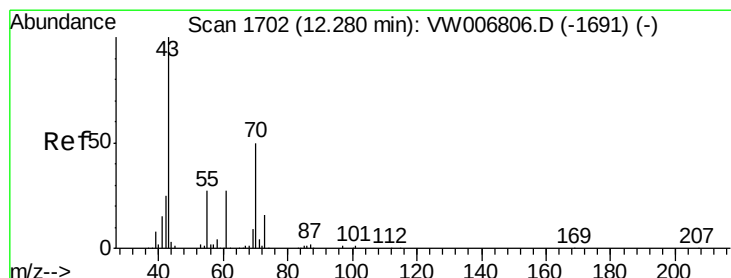
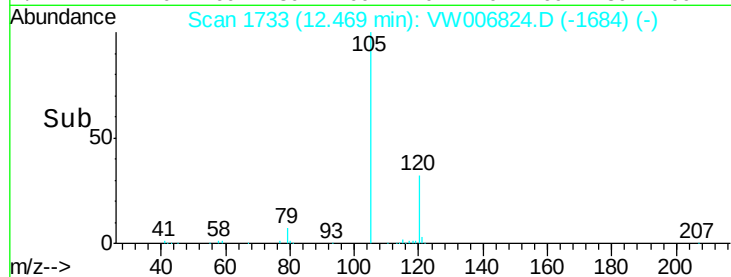
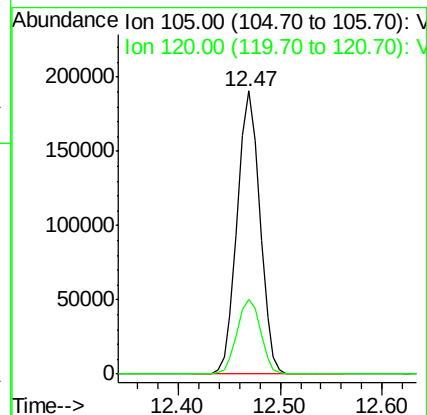
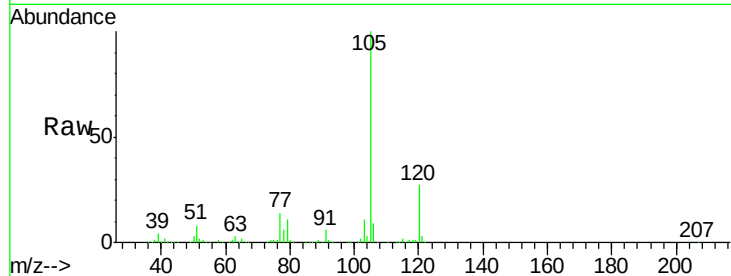
120 27.6 14.0 42.0

Manual Integrations

APPROVED

apatel

11/13/2018 3:57:49 PM



#74

N-ethyl acetate

Concen: 21.136 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.01 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Tgt Ion: 43 Resp: 48113

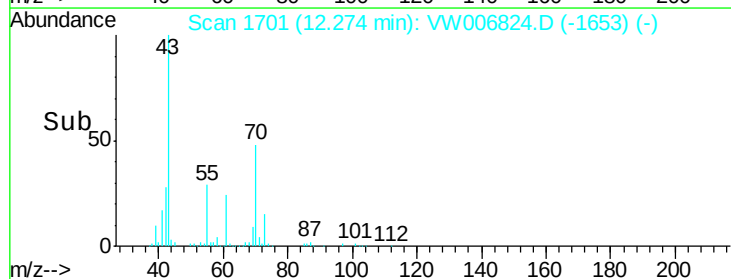
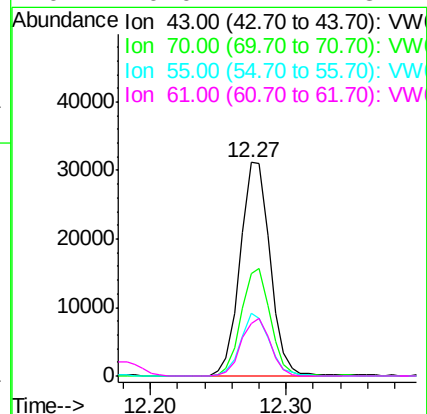
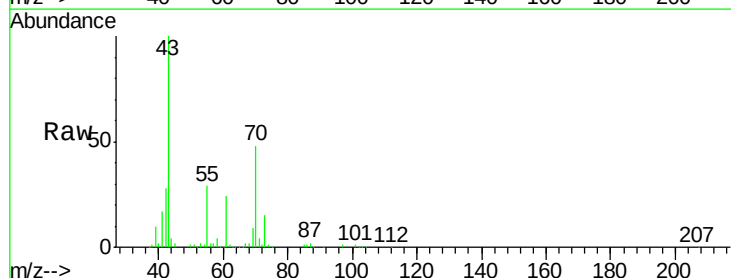
Ion Ratio Lower Upper

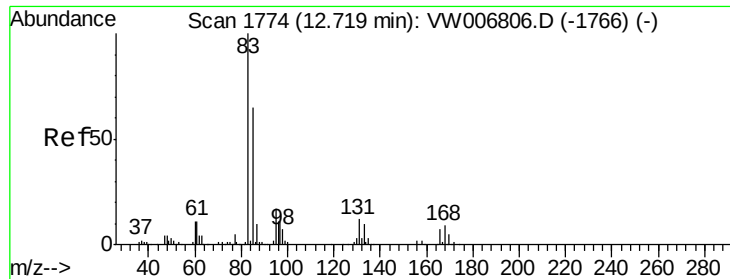
43 100

70 48.9 39.0 58.4

55 28.3 22.1 33.1

61 26.0 21.1 31.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.728 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Instrument :

MSVOA_W

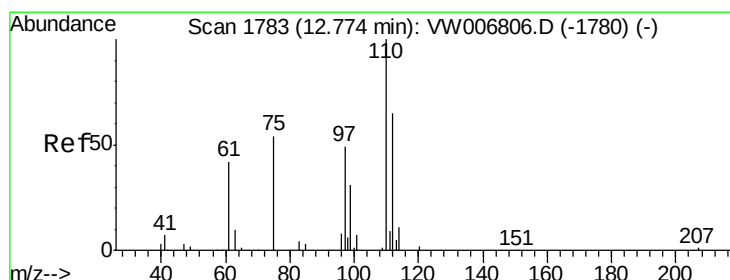
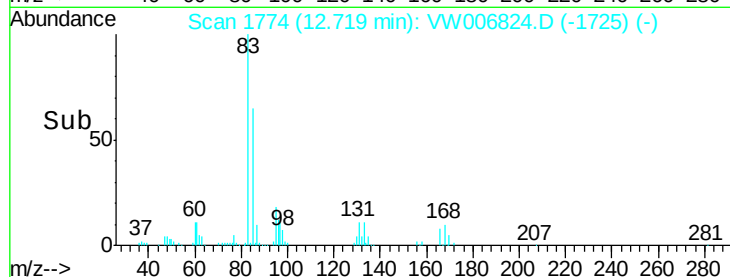
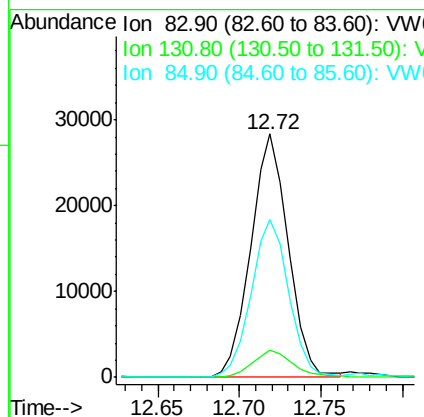
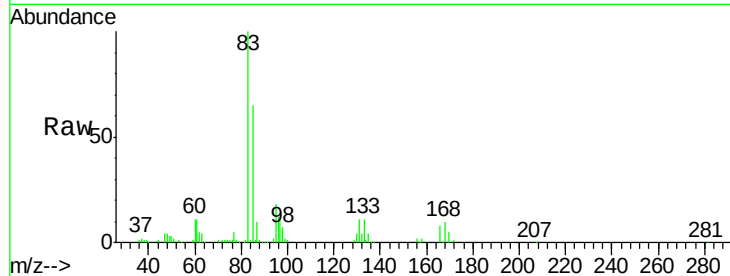
ClientSampleId :

VW1112SBSD02

Tgt Ion:	83	Resp:	45251
Ion Ratio	Lower	Upper	
83	100		
131	12.0	6.1	18.3
85	64.7	32.4	97.0

Manual Integrations
APPROVED

apatel
11/13/2018 3:57:49 PM



#76

1,2,3-Trichloropropane

Concen: 21.485 ug/l m

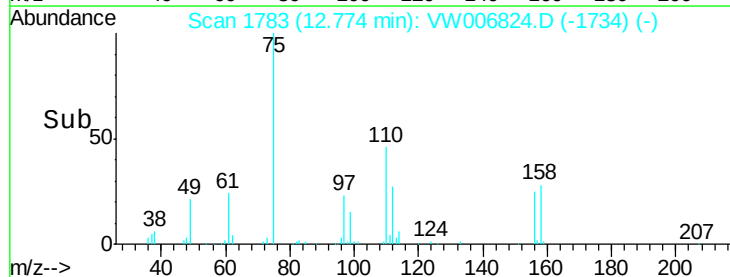
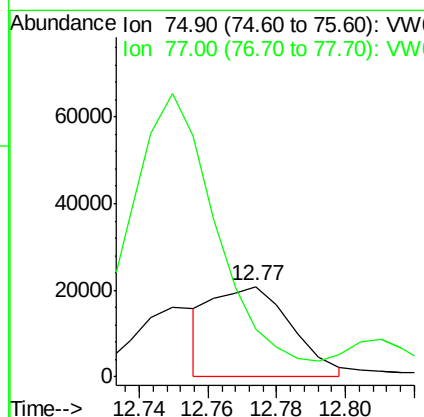
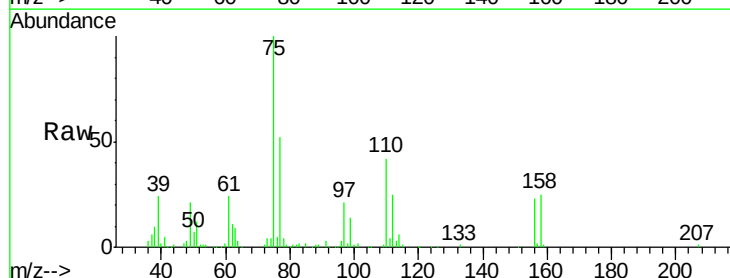
RT: 12.77 min Scan# 1783

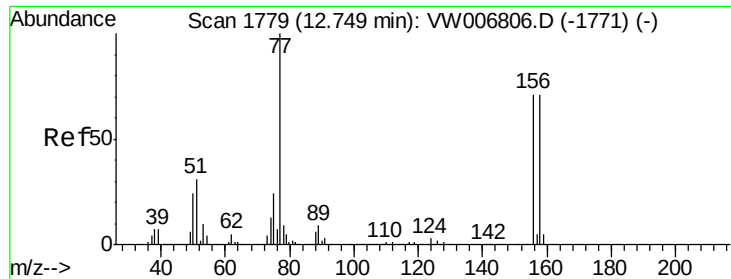
Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Tgt Ion:	75	Resp:	33582
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.674 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBS02

Tgt Ion: 156 Resp: 78469

Ion Ratio Lower Upper

156 100

77 150.1 75.3 225.7

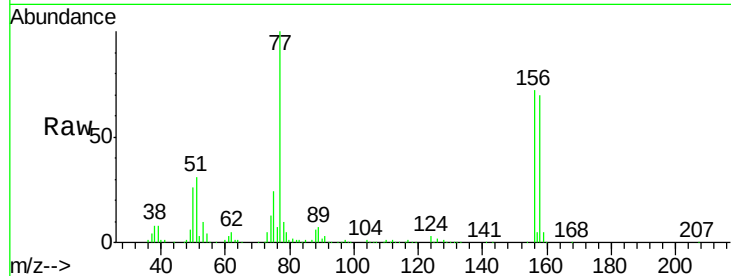
158 97.8 49.2 147.6

Manual Integrations

APPROVED

apatel

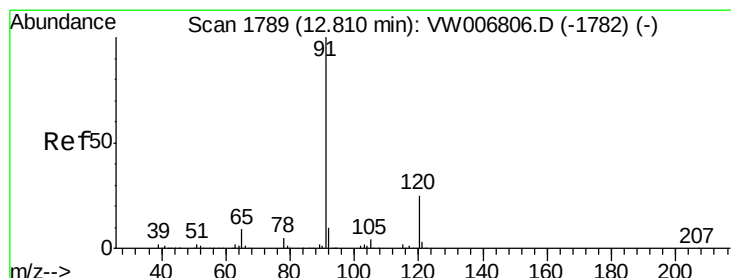
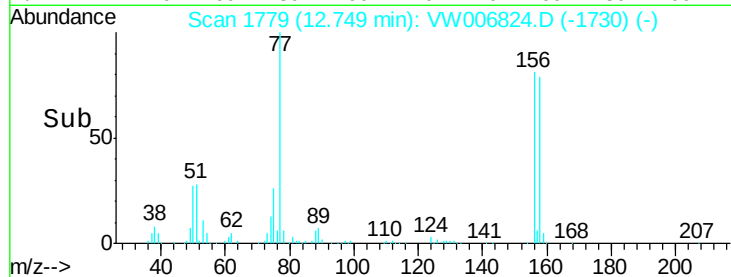
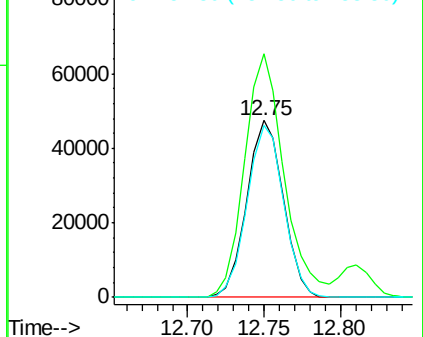
11/13/2018 3:57:49 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.699 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006824.D

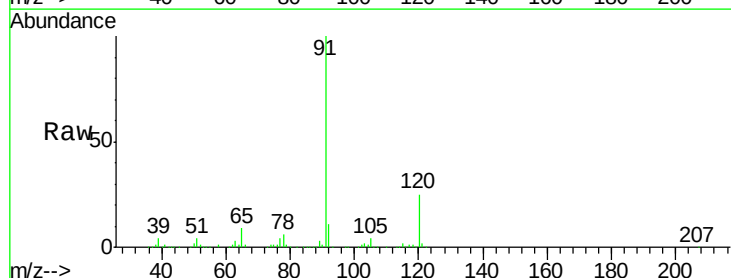
Acq: 13 Nov 2018 00:36

Tgt Ion: 91 Resp: 350025

Ion Ratio Lower Upper

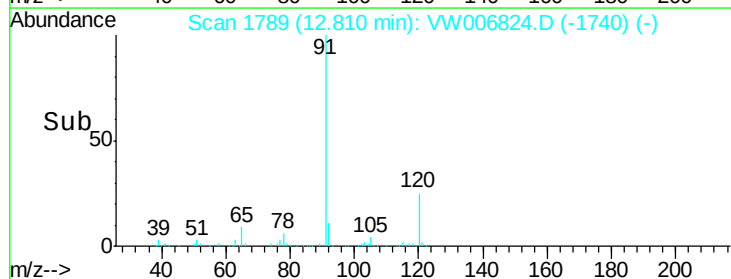
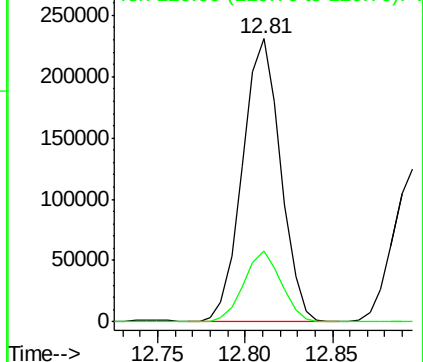
91 100

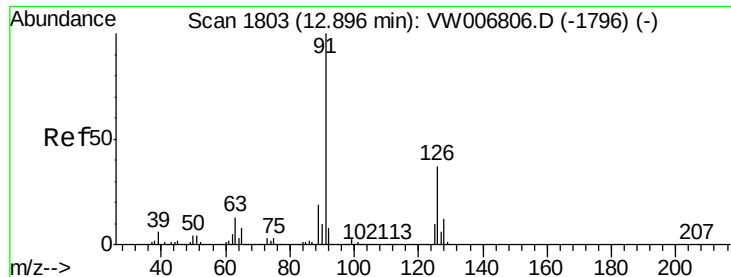
120 24.5 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.212 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBSD02

Tgt Ion: 91 Resp: 201492

Ion Ratio Lower Upper

91 100

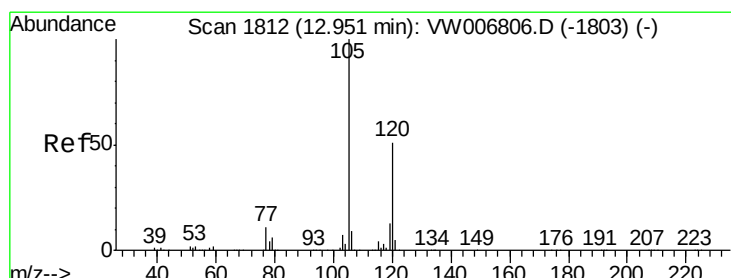
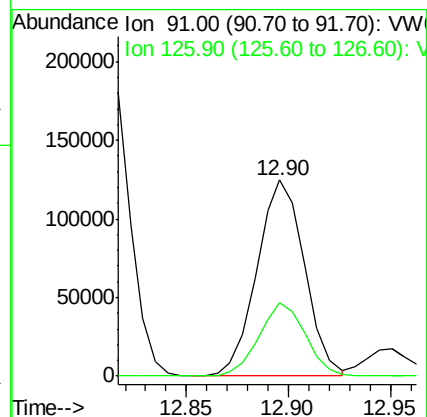
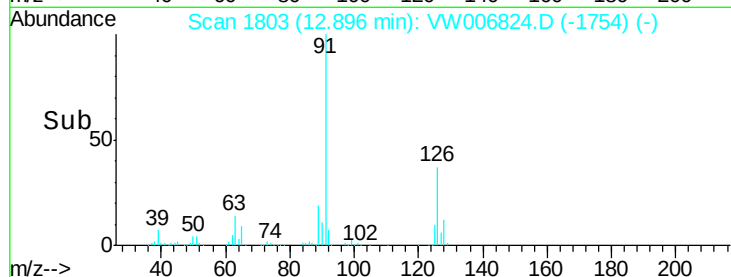
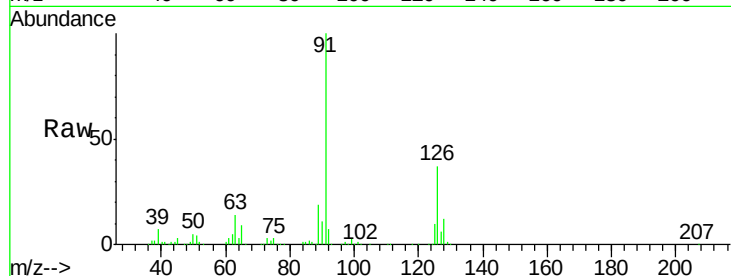
126 36.5 18.5 55.5

Manual Integrations

APPROVED

apatel

11/13/2018 3:57:49 PM



#80

1,3,5-Trimethylbenzene

Concen: 19.838 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006824.D

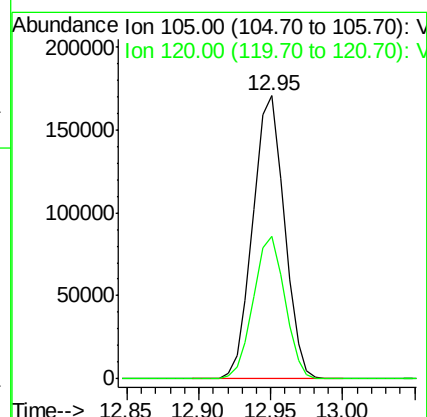
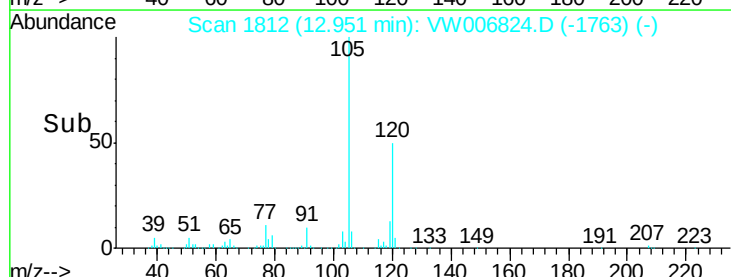
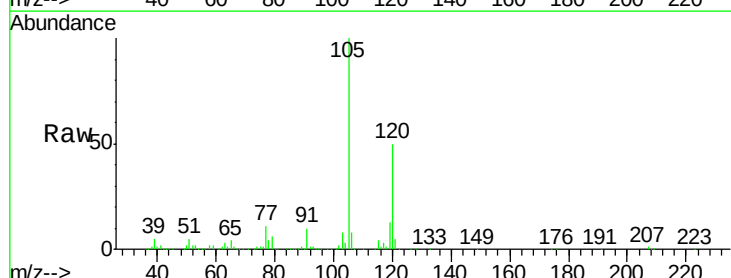
Acq: 13 Nov 2018 00:36

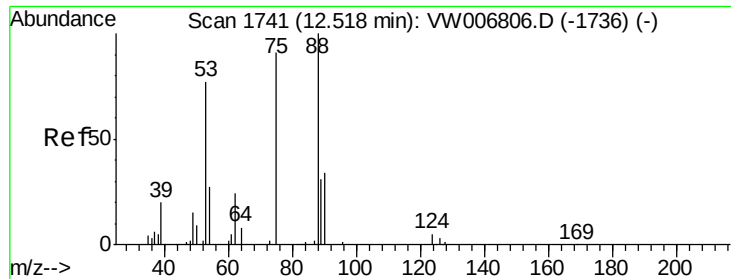
Tgt Ion: 105 Resp: 256745

Ion Ratio Lower Upper

105 100

120 50.5 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 18.943 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Instrument :

MSVOA_W

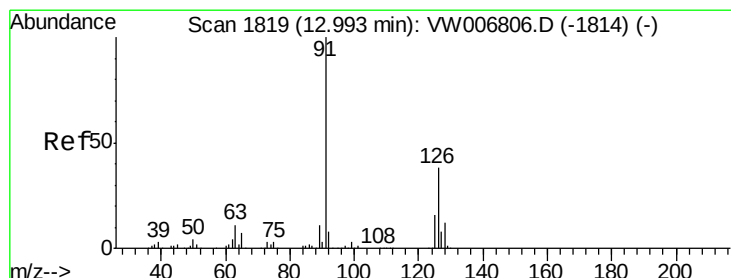
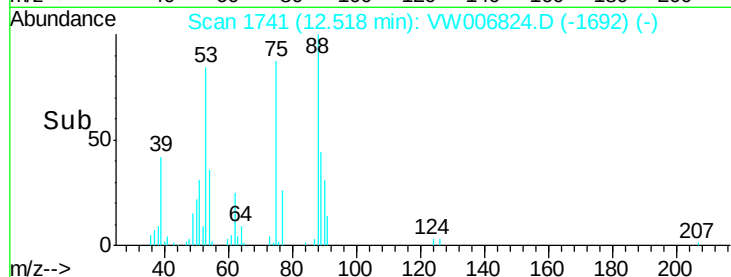
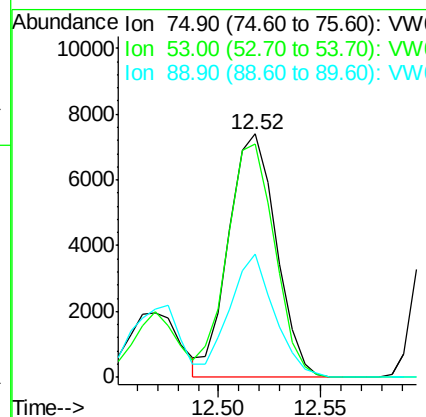
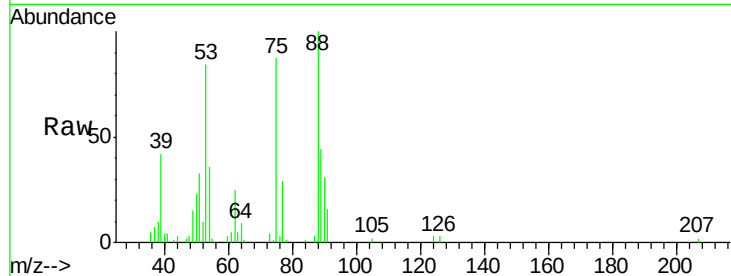
ClientSampleId :

VW1112SBSD02

Tgt Ion:	75	Resp:	11970
Ion Ratio	Lower	Upper	
75	100		
53	96.1	72.9	109.3
89	48.3	38.7	58.1

Manual Integrations
APPROVED

apatel
11/13/2018 3:57:49 PM



#82

4-Chlorotoluene

Concen: 20.075 ug/l

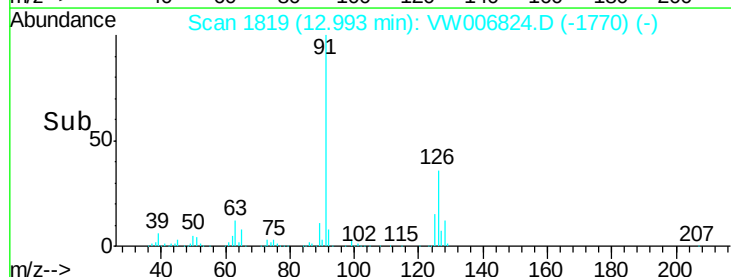
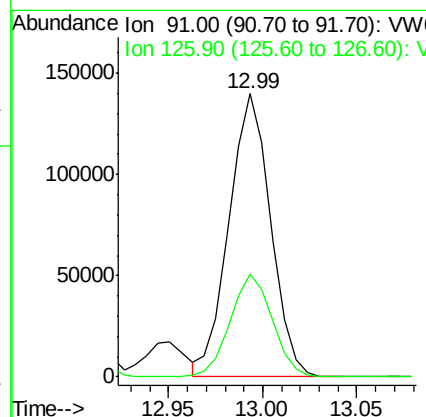
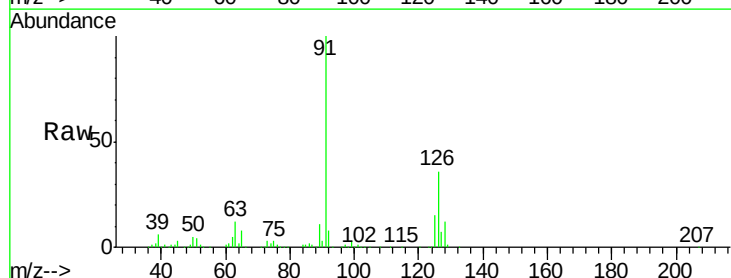
RT: 12.99 min Scan# 1819

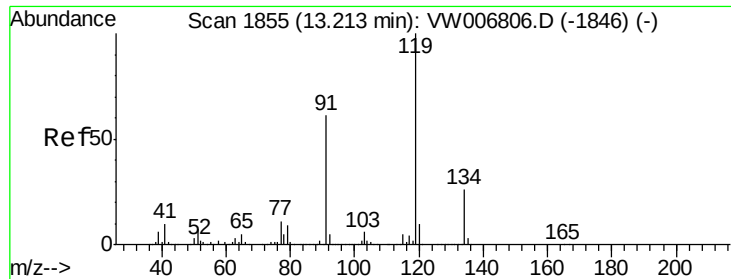
Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Tgt Ion:	91	Resp:	213528
Ion Ratio	Lower	Upper	
91	100		
126	36.8	18.4	55.2





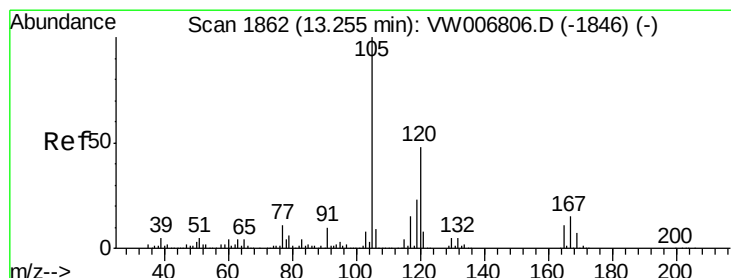
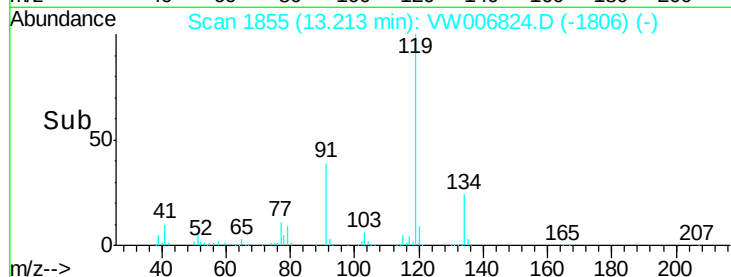
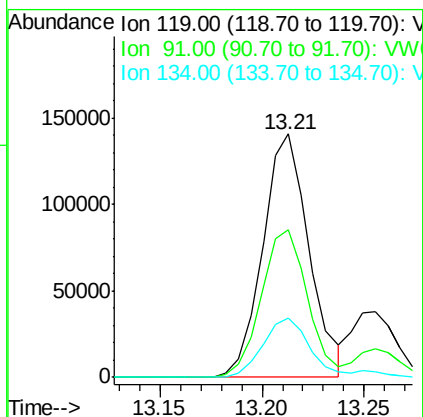
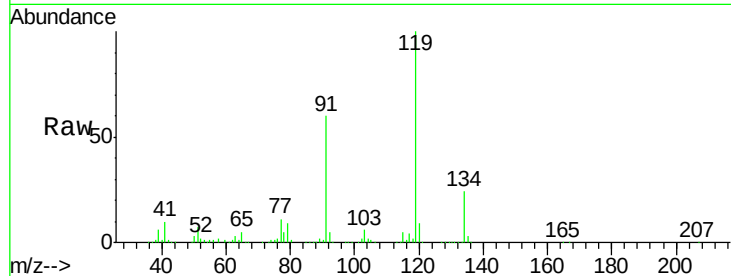
#83
 tert-Butylbenzene
 Concen: 19.437 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW006824.D
 Acq: 13 Nov 2018 00:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	222357		
91	60.5	30.0	90.1	
134	24.6	13.4	40.2	

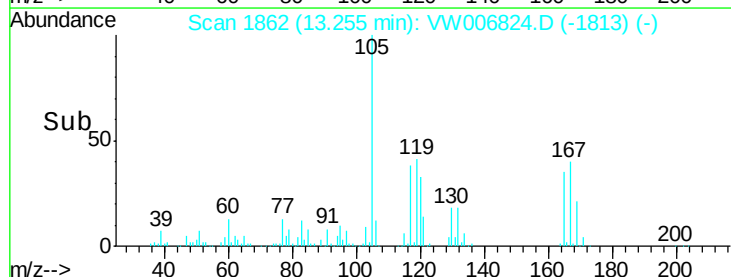
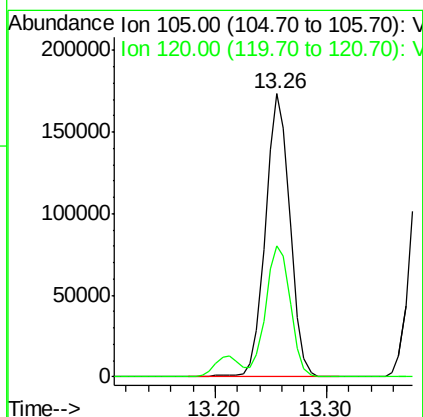
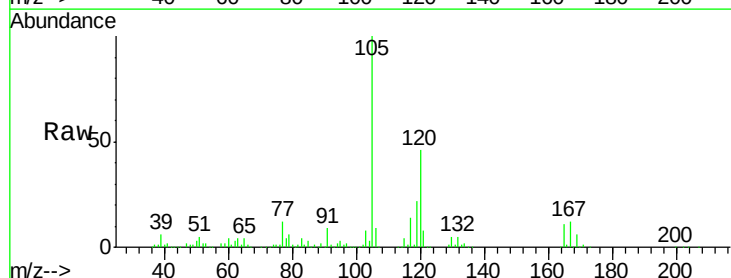
Manual Integrations
 APPROVED

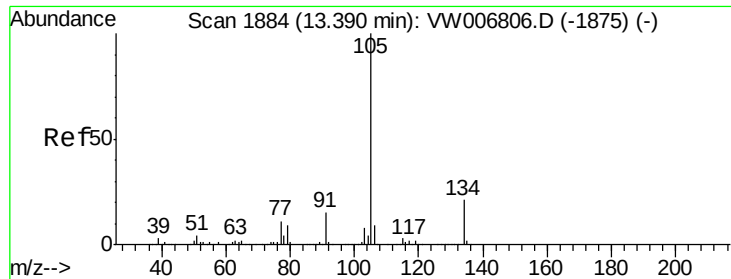
apatel
 11/13/2018 3:57:49 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.215 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006824.D
 Acq: 13 Nov 2018 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	266246		
120	46.2	23.4	70.0	





#85

sec-Butylbenzene

Concen: 19.137 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBSD02

Tgt Ion:105 Resp: 310236

Ion Ratio Lower Upper

105 100

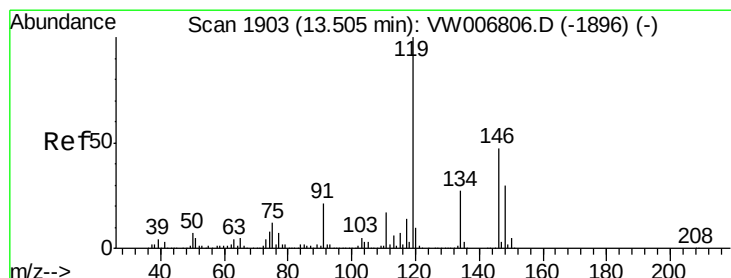
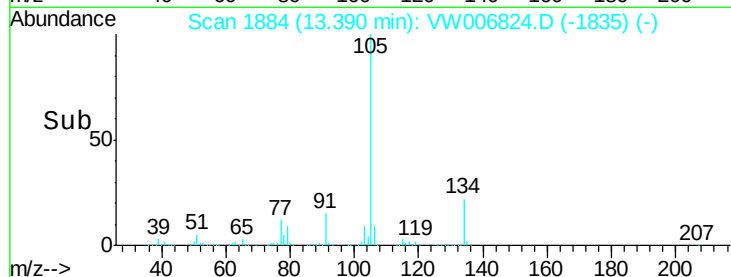
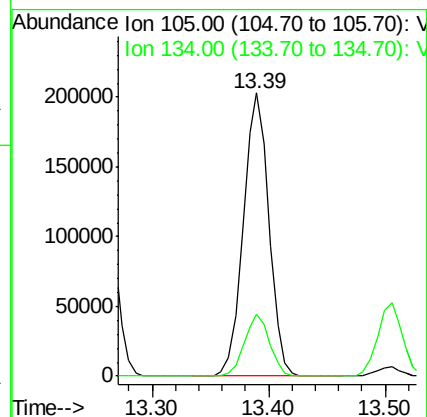
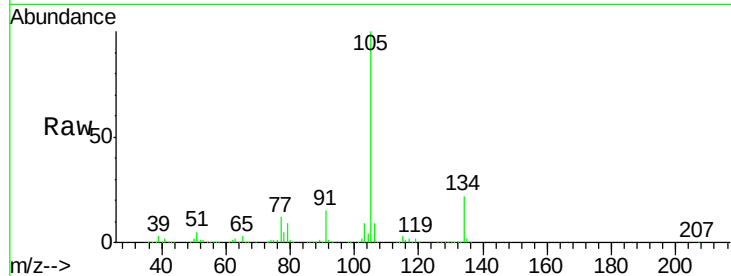
134 21.4 10.7 31.9

Manual Integrations

APPROVED

apatel

11/13/2018 3:57:49 PM



#86

p-Isopropyltoluene

Concen: 19.497 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

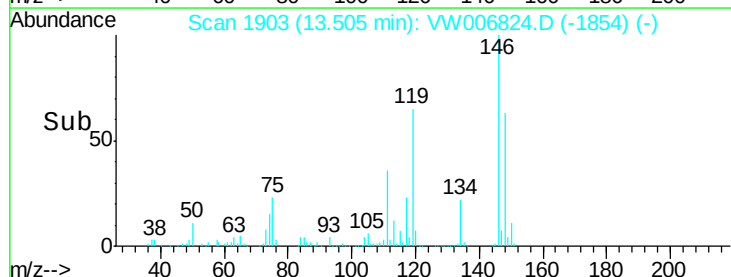
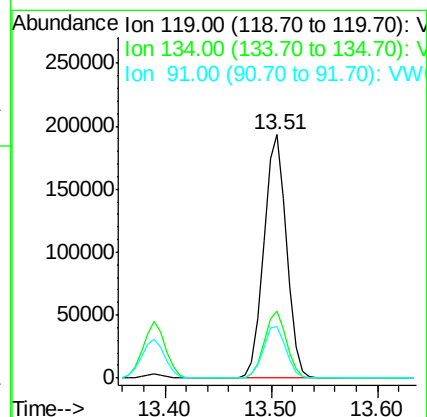
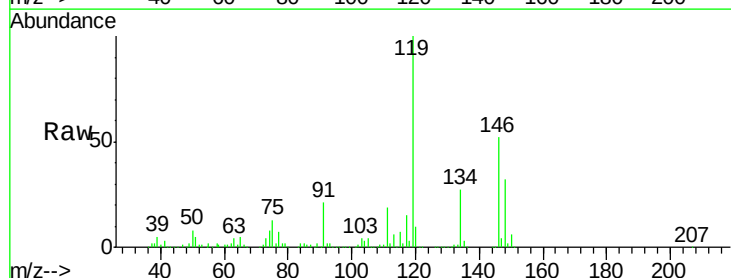
Tgt Ion:119 Resp: 287491

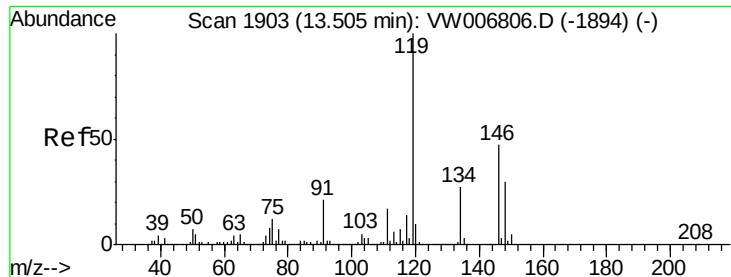
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

91 21.6 10.8 32.4





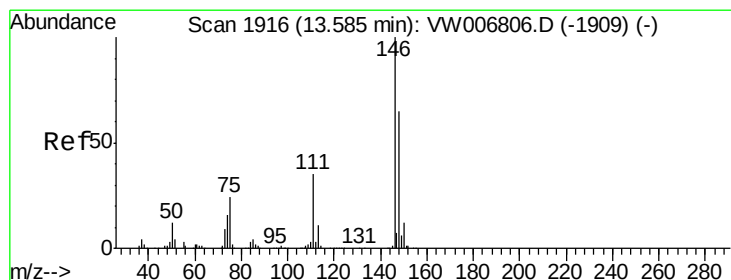
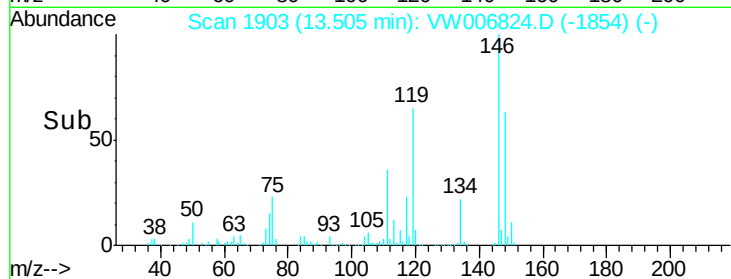
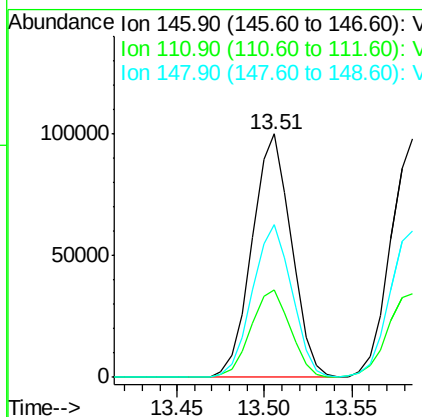
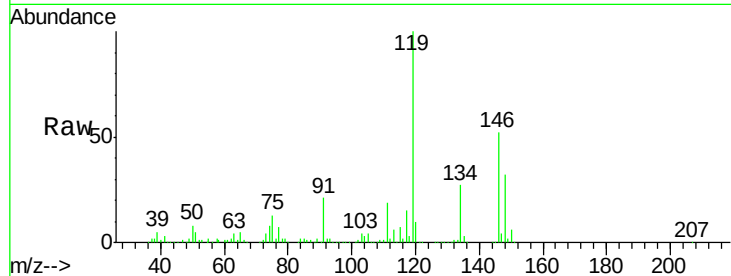
#87
 1,3-Dichlorobenzene
 Concen: 20.189 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006824.D
 Acq: 13 Nov 2018 00:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	156177		
111	36.4	18.3	54.9	
148	63.3	31.9	95.9	

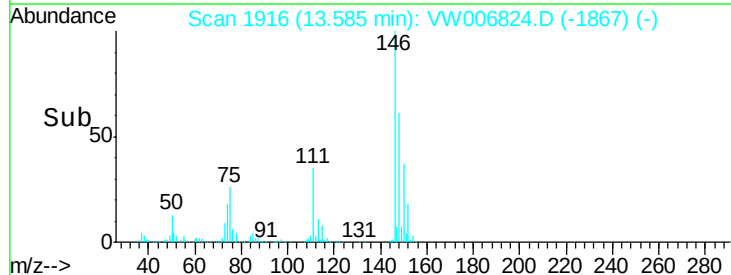
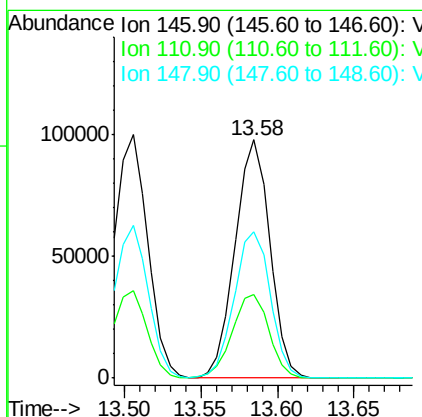
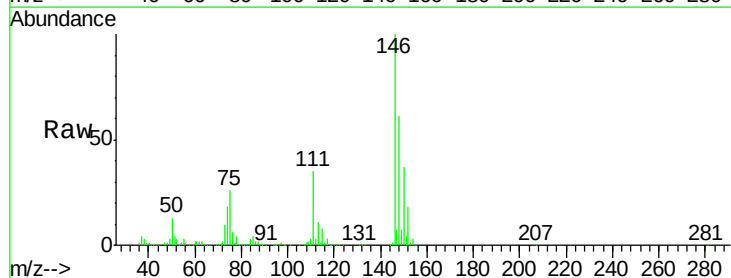
Manual Integrations
 APPROVED

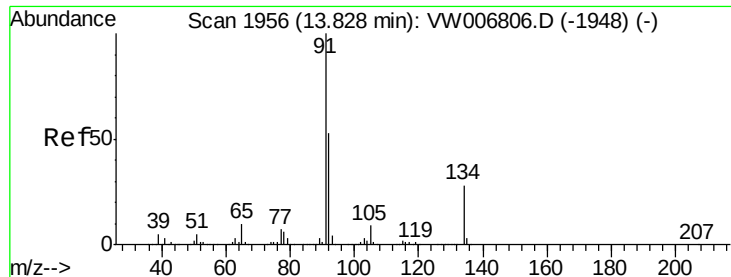
apatel
 11/13/2018 3:57:49 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.254 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006824.D
 Acq: 13 Nov 2018 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	155018		
111	37.3	17.8	53.3	
148	63.8	32.0	96.0	





#89

n-Butylbenzene

Concen: 19.116 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Instrument :

MSVOA_W

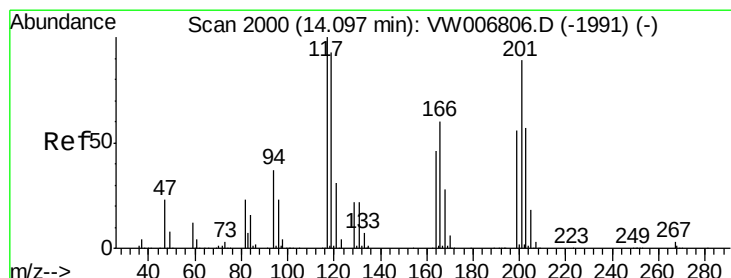
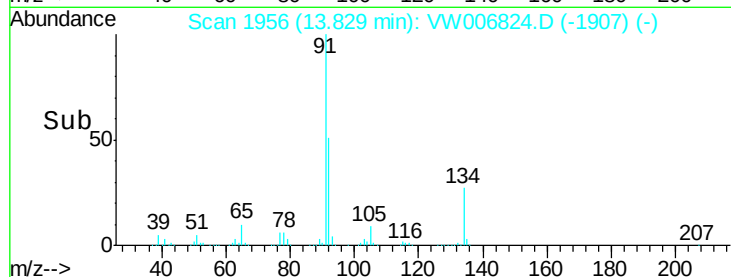
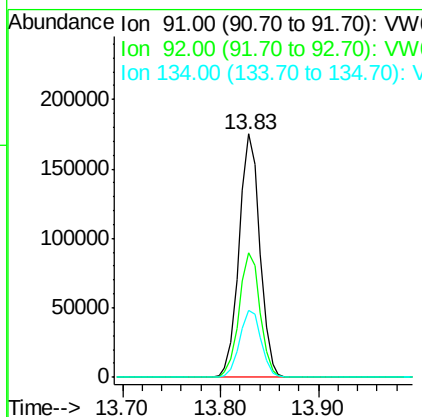
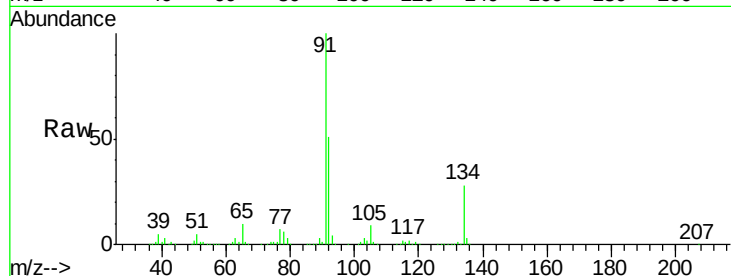
ClientSampleId :

VW1112SBS02

Tgt Ion:	91	Resp:	257608
Ion Ratio	Lower	Upper	
91	100		
92	51.5	26.5	79.4
134	28.4	14.4	43.2

Manual Integrations
APPROVED

apatel
11/13/2018 3:57:49 PM



#90

Hexachloroethane

Concen: 19.427 ug/l

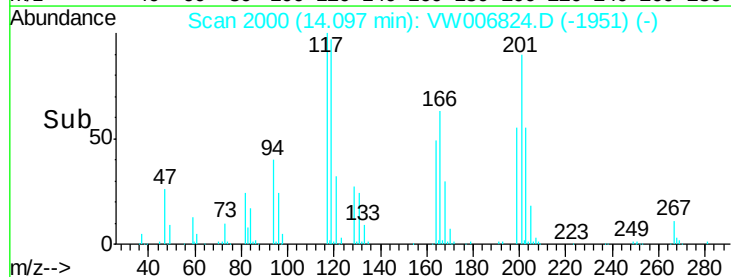
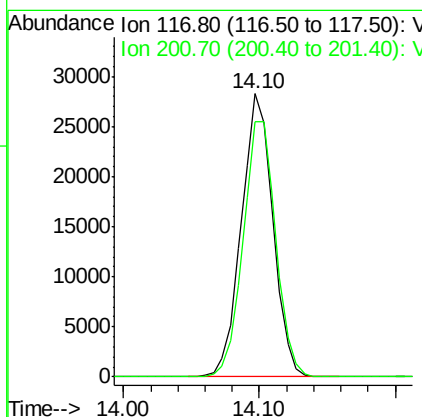
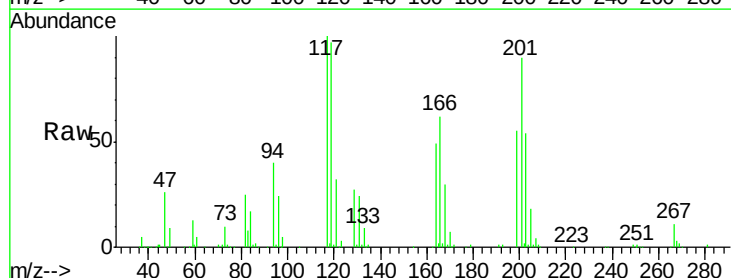
RT: 14.10 min Scan# 2000

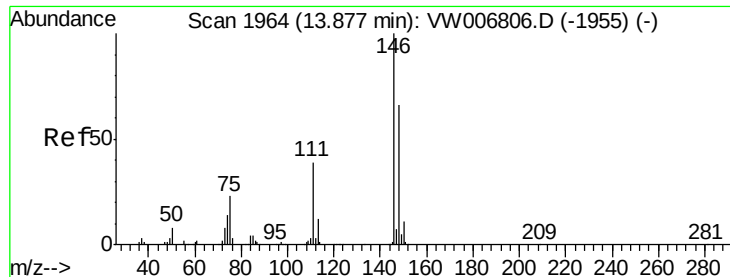
Delta R.T. 0.00 min

Lab File: VW006824.D

Acq: 13 Nov 2018 00:36

Tgt Ion:	117	Resp:	45836
Ion Ratio	Lower	Upper	
117	100		
201	93.6	46.9	140.6





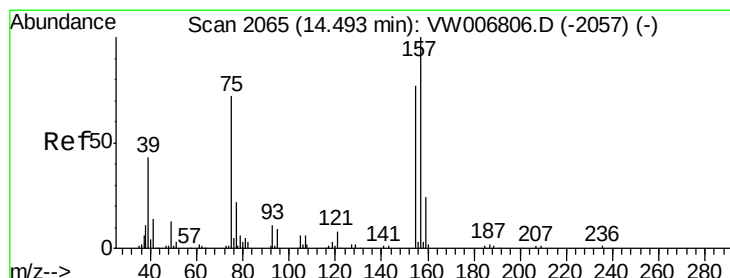
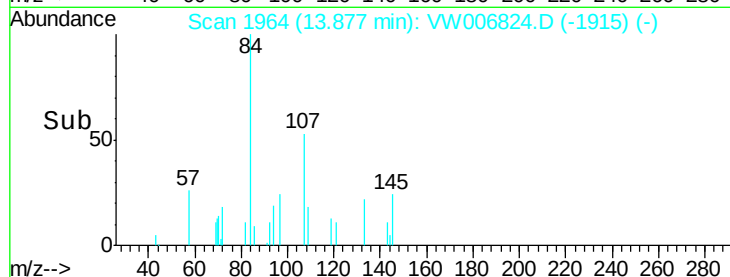
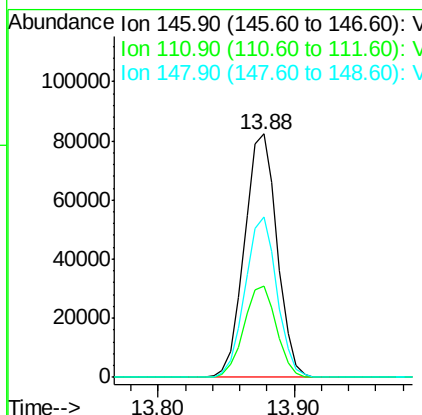
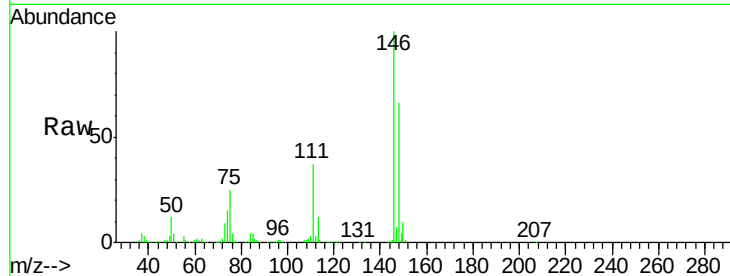
#91
 1,2-Dichlorobenzene
 Concen: 20.461 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006824.D
 Acq: 13 Nov 2018 00:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBSD02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.3	57.8
148	64.5	32.4	97.2

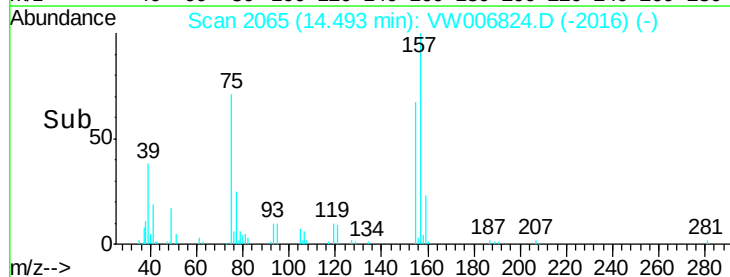
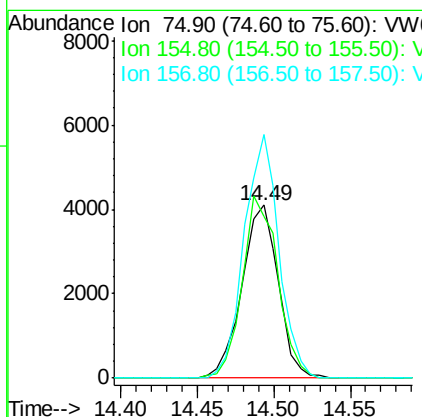
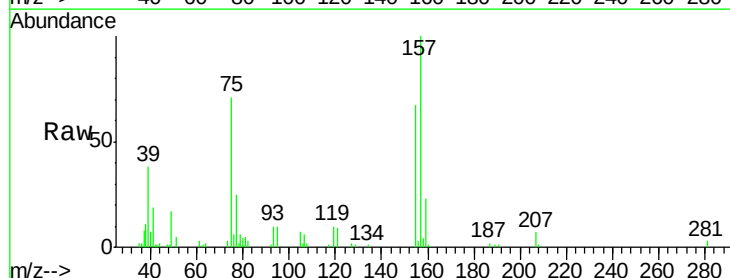
Manual Integrations
 APPROVED

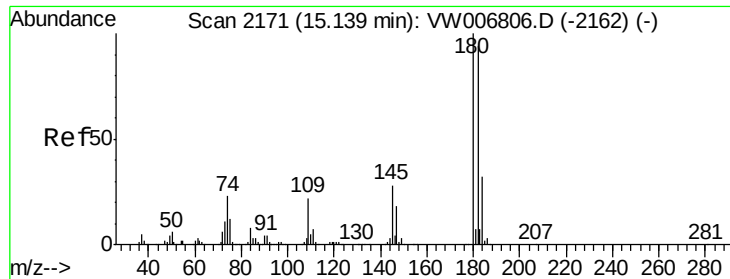
apatel
 11/13/2018 3:57:49 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.367 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW006824.D
 Acq: 13 Nov 2018 00:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.4	51.0	153.1
157	134.0	67.4	202.2





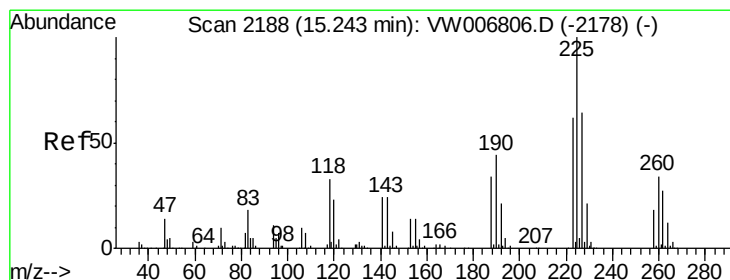
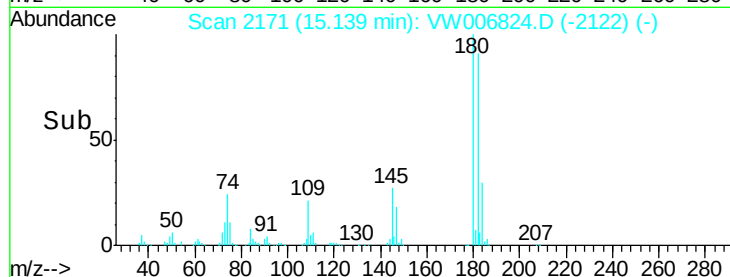
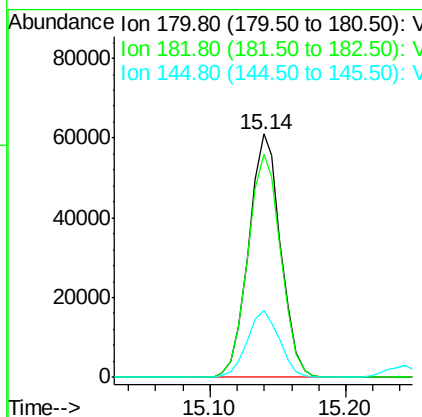
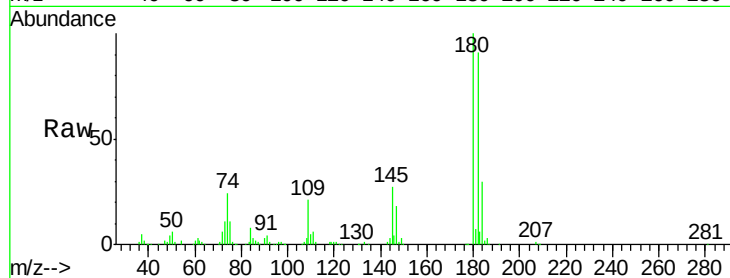
#93
 1,2,4-Trichlorobenzene
 Concen: 19.769 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW006824.D
 Acq: 13 Nov 2018 00:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	100552		
182	94.2	47.5	142.5	
145	27.4	14.0	41.9	

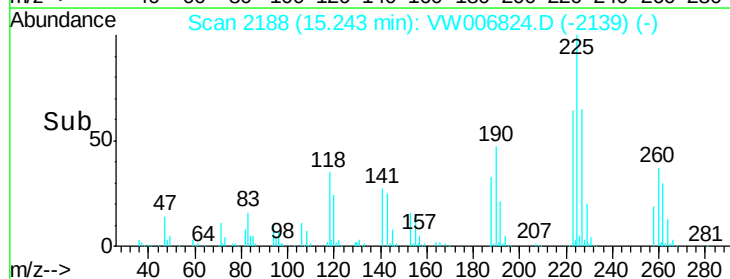
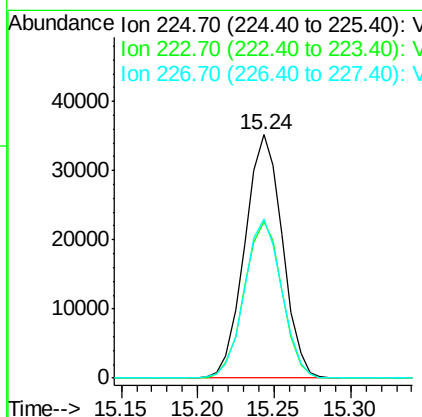
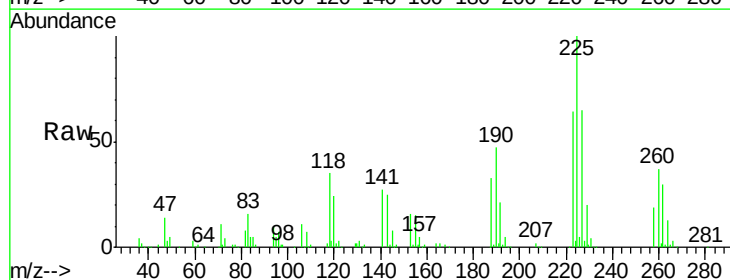
Manual Integrations
 APPROVED

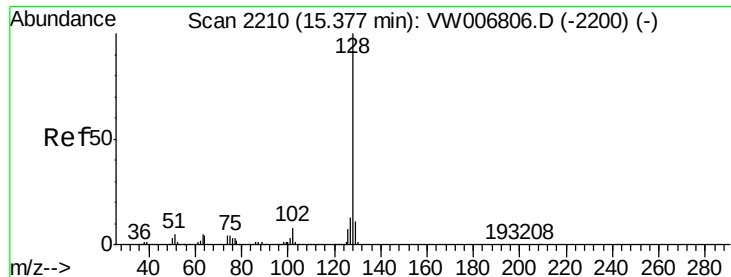
apatel
 11/13/2018 3:57:49 PM



#94
 Hexachlorobutadiene
 Concen: 18.670 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006824.D
 Acq: 13 Nov 2018 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60172		
223	64.4	31.2	93.6	
227	64.8	32.3	96.9	





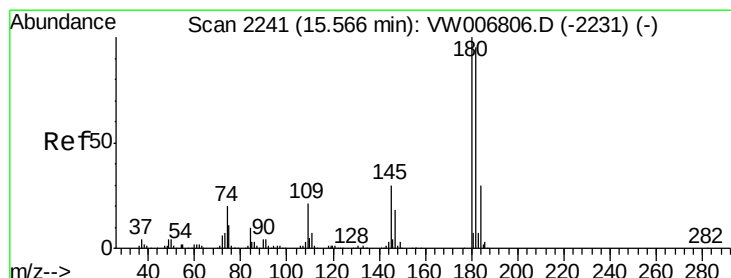
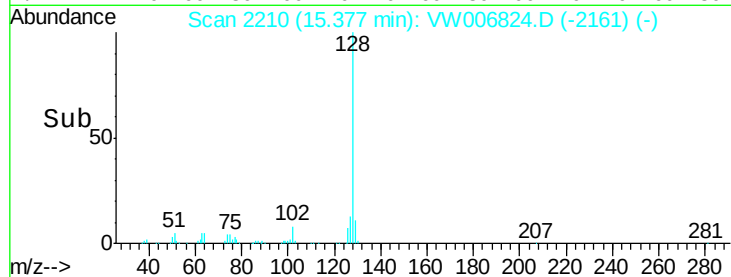
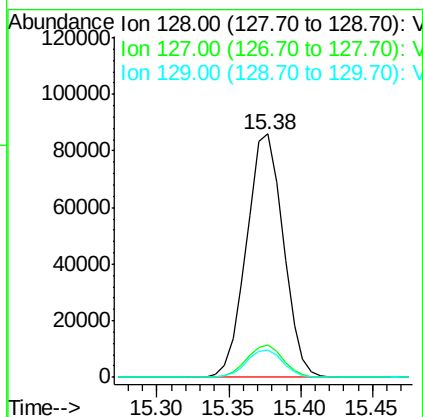
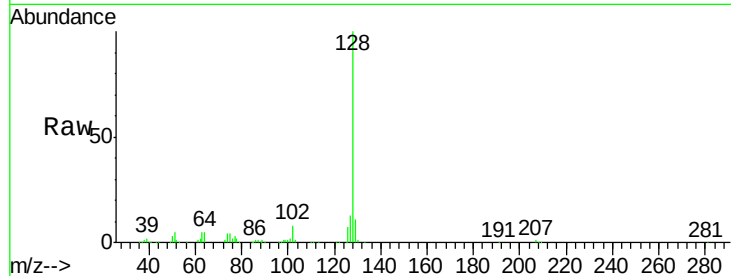
#95
Naphthalene
Concen: 20.019 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	152284		
127	13.0	10.3	15.5	
129	11.1	8.6	13.0	

Manual Integrations
APPROVED

apatel
11/13/2018 3:57:49 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.855 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006824.D
Acq: 13 Nov 2018 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	86665		
182	95.8	47.9	143.6	
145	29.0	15.2	45.5	

