

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081918\
 Data File : VW004737.D
 Acq On : 17 Aug 2018 16:46
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 8/20/2018 9:53:45 AM

Quant Time: Aug 18 01:33:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:25:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	664813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	997189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	940745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	508905	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	127302	19.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.62%	
35) Dibromofluoromethane	7.88	113	129691	20.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.70%	
50) Toluene-d8	10.33	98	513524	20.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.28%	
62) 4-Bromofluorobenzene	12.62	95	183096	20.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	90976	20.66	ug/l	95
3) Chloromethane	2.21	50	111708	19.40	ug/l	99
4) Vinyl Chloride	2.37	62	178574	21.07	ug/l	99
5) Bromomethane	2.78	94	107241	20.49	ug/l	99
6) Chloroethane	2.93	64	106845	20.89	ug/l	94
7) Trichlorofluoromethane	3.25	101	81359	20.38	ug/l	96
8) Diethyl Ether	3.67	74	72501	20.08	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	143455	20.87	ug/l	99
10) Methyl Iodide	4.27	142	215057	20.60	ug/l	100
11) Tert butyl alcohol	5.21	59	33611	92.87	ug/l	99
12) 1,1-Dichloroethene	4.03	96	141587	20.67	ug/l	98
13) Acrolein	3.89	56	50780	105.38	ug/l	97
14) Allyl chloride	4.67	41	207791	19.99	ug/l	100
15) Acrylonitrile	5.37	53	147967	97.74	ug/l	99
16) Acetone	4.14	43	166102	101.23	ug/l	100
17) Carbon Disulfide	4.38	76	460898	20.47	ug/l	98
18) Methyl Acetate	4.67	43	69214	19.69	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	175899	19.78	ug/l	92
20) Methylene Chloride	4.91	84	180241	20.13	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	149575	20.52	ug/l	97
22) Diisopropyl ether	6.31	45	415586	20.80	ug/l	98
23) Vinyl Acetate	6.26	43	1119425	99.04	ug/l	100
24) 1,1-Dichloroethane	6.21	63	263935	20.32	ug/l	98
25) 2-Butanone	7.18	43	230687	98.68	ug/l	98
26) 2,2-Dichloropropane	7.17	77	152993	20.40	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	156857	19.99	ug/l	98
28) Bromochloromethane	7.51	49	110522	20.21	ug/l	97
29) Tetrahydrofuran	7.54	42	114650	96.18	ug/l	100
30) Chloroform	7.68	83	259163	20.29	ug/l	98
31) Cyclohexane	7.96	56	253370	20.17	ug/l	96
32) 1,1,1-Trichloroethane	7.88	97	207603	20.51	ug/l	99
36) 1,1-Dichloropropene	8.09	75	212248	20.66	ug/l	99
37) Ethyl Acetate	7.26	43	83414	20.37	ug/l	99
38) Carbon Tetrachloride	8.07	117	195385	20.66	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081918\
 Data File : VW004737.D
 Acq On : 17 Aug 2018 16:46
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 8/20/2018 9:53:45 AM

Quant Time: Aug 18 01:33:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:25:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	258460	20.12	ug/l	97
40) Benzene	8.32	78	611818	20.49	ug/l	99
41) Methacrylonitrile	7.49	41	48902	21.04	ug/l	98
42) 1,2-Dichloroethane	8.40	62	157300	20.55	ug/l	100
43) Isopropyl Acetate	8.43	43	142597	19.39	ug/l	99
44) Trichloroethene	9.09	130	153073	20.20	ug/l	98
45) 1,2-Dichloropropane	9.37	63	149055	20.41	ug/l	98
46) Dibromomethane	9.46	93	73843	20.41	ug/l	99
47) Bromodichloromethane	9.65	83	174401	20.18	ug/l	98
48) Methyl methacrylate	9.44	41	65964	19.11	ug/l	98
49) 1,4-Dioxane	9.48	88	20969	396.71	ug/l #	83
51) 4-Methyl-2-Pentanone	10.21	43	494370	99.45	ug/l	99
52) Toluene	10.39	92	370944	20.72	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	175234	20.13	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	208515	20.09	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	106576	20.72	ug/l	99
56) Ethyl methacrylate	10.65	69	118710	19.54	ug/l	99
57) 1,3-Dichloropropane	10.93	76	181782	20.48	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	293531	103.35	ug/l	99
59) 2-Hexanone	10.98	43	342656	101.73	ug/l	98
60) Dibromochloromethane	11.13	129	116386	20.17	ug/l	99
61) 1,2-Dibromoethane	11.24	107	100245	20.39	ug/l	99
64) Tetrachloroethene	10.87	164	132329	20.58	ug/l	99
65) Chlorobenzene	11.66	112	410833	20.29	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	136041	19.90	ug/l	99
67) Ethyl Benzene	11.74	91	691991	20.16	ug/l	99
68) m/p-Xylenes	11.85	106	552345	41.36	ug/l	99
69) o-Xylene	12.17	106	250614	20.27	ug/l	100
70) Styrene	12.19	104	426836	20.55	ug/l	100
71) Bromoform	12.35	173	70295	19.48	ug/l	100
73) Isopropylbenzene	12.47	105	697269	20.14	ug/l	100
74) N-amyl acetate	12.28	43	139815	19.26	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	126954	19.79	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	100246m	13.30	ug/l	
77) Bromobenzene	12.76	156	167776	20.02	ug/l	99
78) n-propylbenzene	12.81	91	867951	20.54	ug/l	100
79) 2-Chlorotoluene	12.90	91	491902	20.20	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	607704	20.66	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	37174	19.26	ug/l	98
82) 4-Chlorotoluene	12.99	91	528128	20.41	ug/l	100
83) tert-Butylbenzene	13.21	119	504092	20.04	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	624206	20.63	ug/l	100
85) sec-Butylbenzene	13.39	105	765935	20.39	ug/l	100
86) p-Isopropyltoluene	13.51	119	672408	20.57	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	347947	20.41	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	344139	20.20	ug/l	99
89) n-Butylbenzene	13.83	91	639599	20.24	ug/l	99
90) Hexachloroethane	14.10	117	116821	19.61	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	308718	20.16	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19383	19.34	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081918\
Data File : VW004737.D
Acq On : 17 Aug 2018 16:46
Operator : SY/AP
Sample : VSTDICC020
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

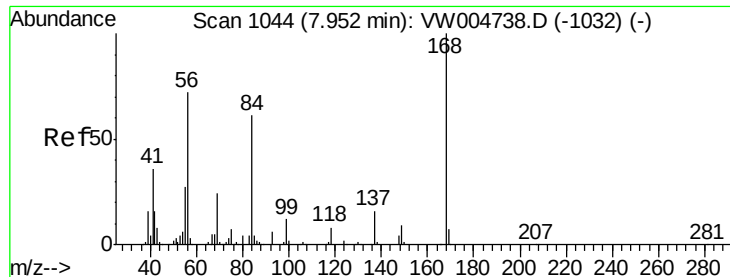
Manual Integrations
APPROVED

apatel
8/20/2018 9:53:45 AM

Quant Time: Aug 18 01:33:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:25:38 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	216824	20.02	ug/l	98
94) Hexachlorobutadiene	15.25	225	136758	20.58	ug/l	99
95) Naphthalene	15.38	128	360270	19.24	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	194972	20.30	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 664813

Ion Ratio Lower Upper

168 100

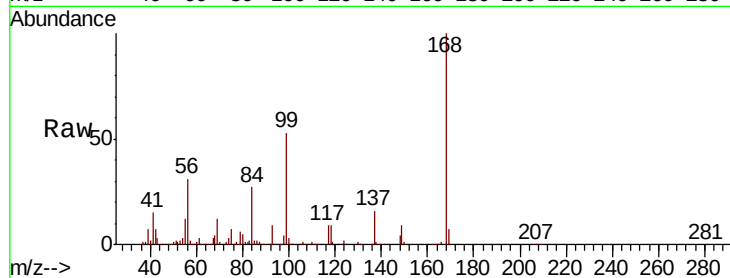
99 52.6 41.0 61.4

Manual Integrations

APPROVED

apatel

8/20/2018 9:53:45 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

300000

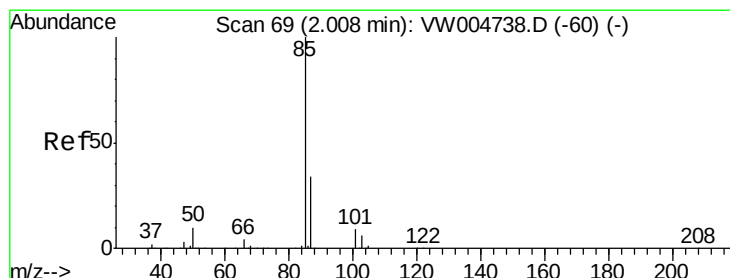
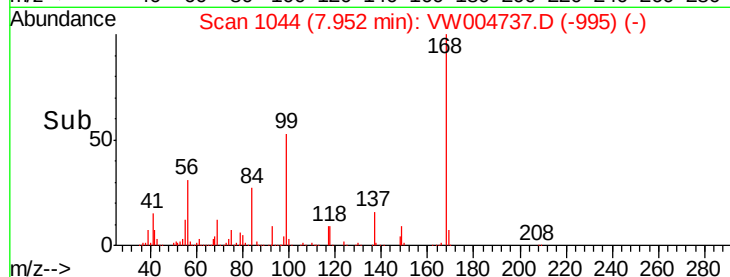
200000

100000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.66 ug/l

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW004737.D

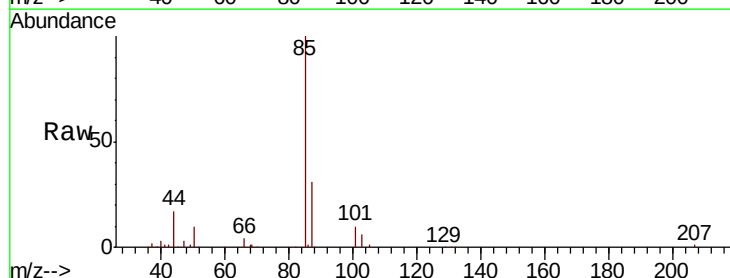
Acq: 17 Aug 2018 16:46

Tgt Ion: 85 Resp: 90976

Ion Ratio Lower Upper

85 100

87 30.7 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

15000

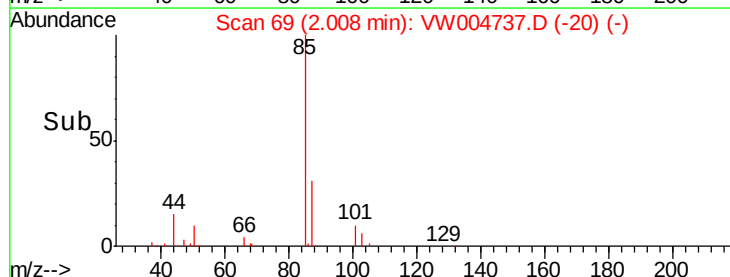
10000

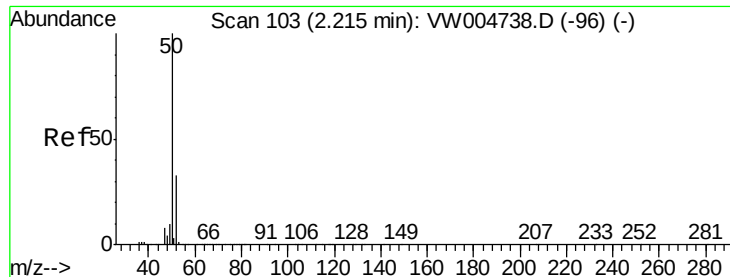
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 19.40 ug/l

RT: 2.21 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 111708

Ion Ratio Lower Upper

50 100

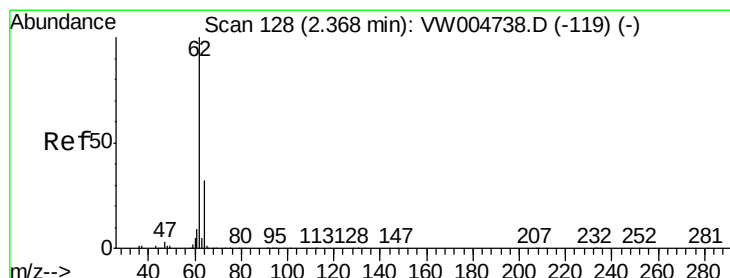
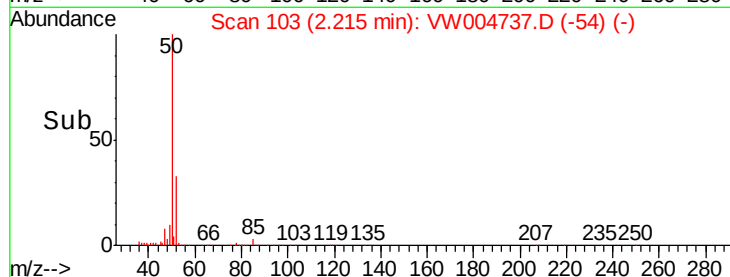
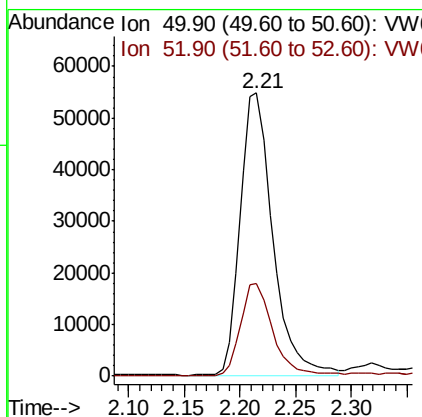
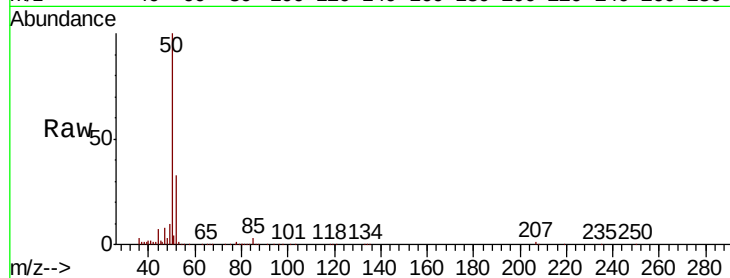
52 32.8 26.7 40.1

Manual Integrations

APPROVED

apatel

8/20/2018 9:53:45 AM



#4

Vinyl Chloride

Concen: 21.07 ug/l

RT: 2.37 min Scan# 128

Delta R.T. -0.00 min

Lab File: VW004737.D

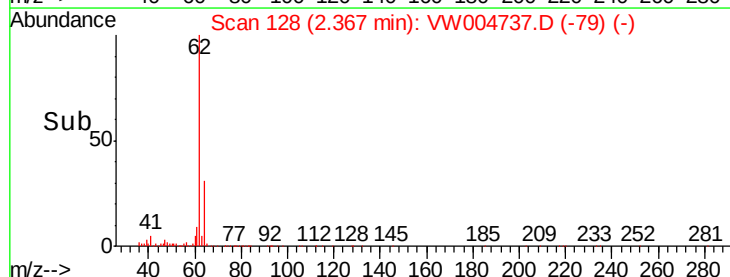
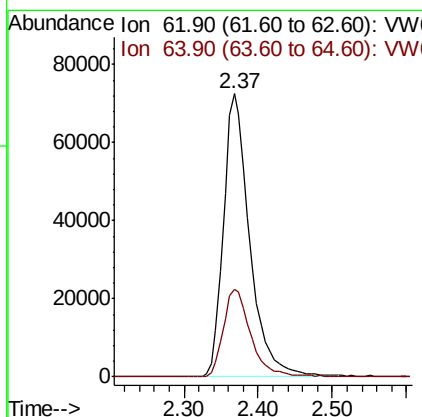
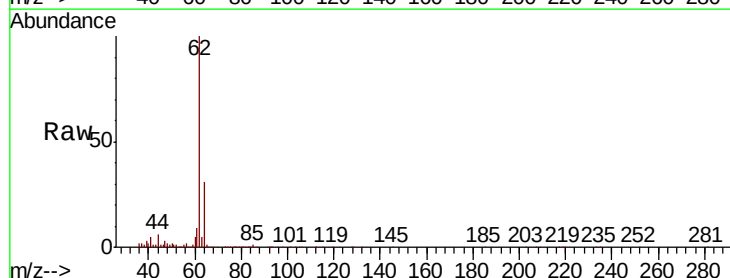
Acq: 17 Aug 2018 16:46

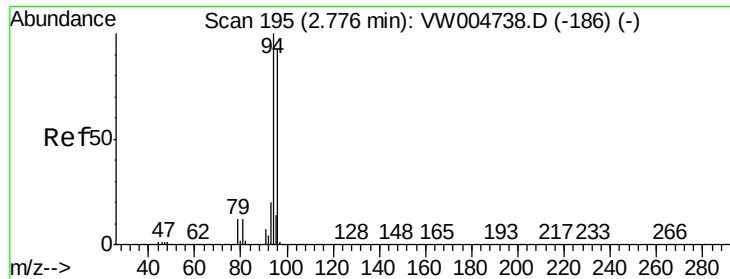
Tgt Ion: 62 Resp: 178574

Ion Ratio Lower Upper

62 100

64 30.9 25.2 37.8





#5

Bromomethane

Concen: 20.49 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 94 Resp: 107241

Ion Ratio Lower Upper

94 100

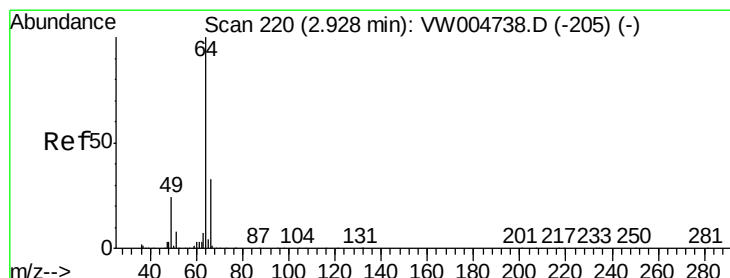
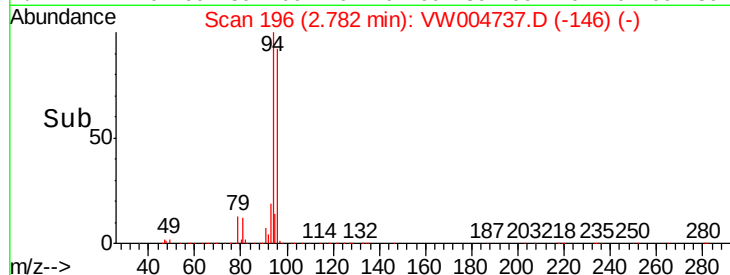
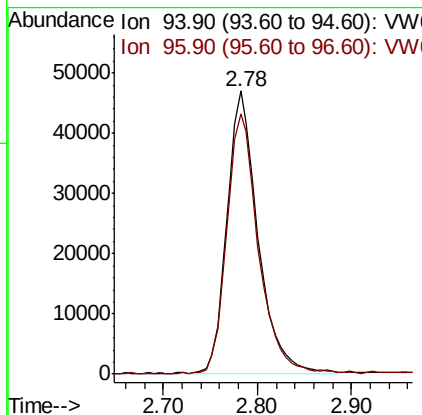
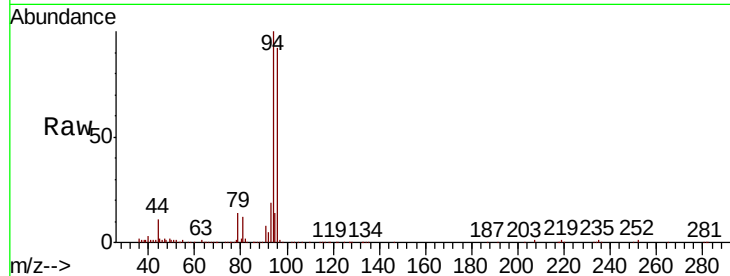
96 92.1 74.3 111.5

Manual Integrations

APPROVED

apatel

8/20/2018 9:53:45 AM



#6

Chloroethane

Concen: 20.89 ug/l

RT: 2.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VW004737.D

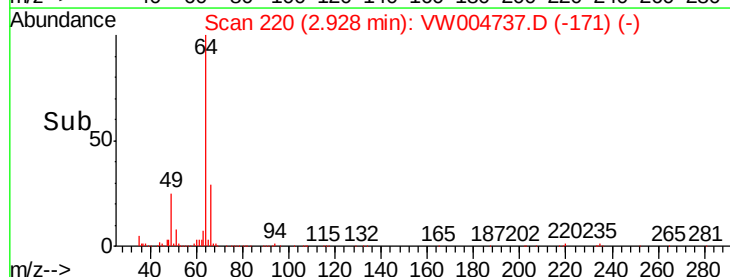
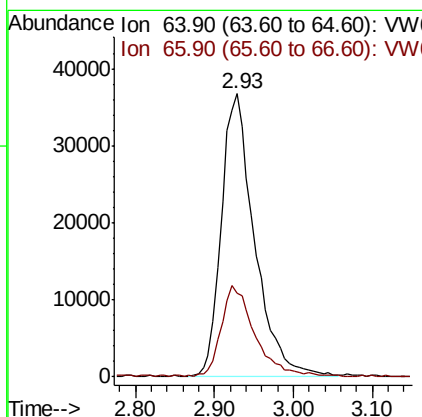
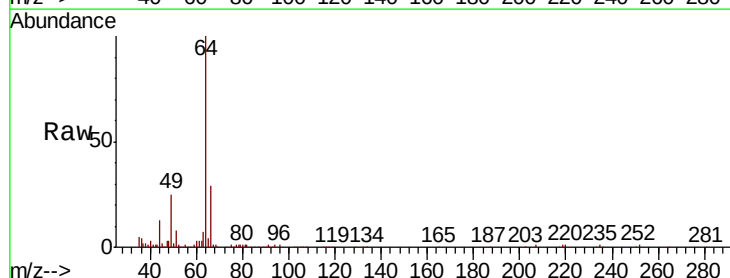
Acq: 17 Aug 2018 16:46

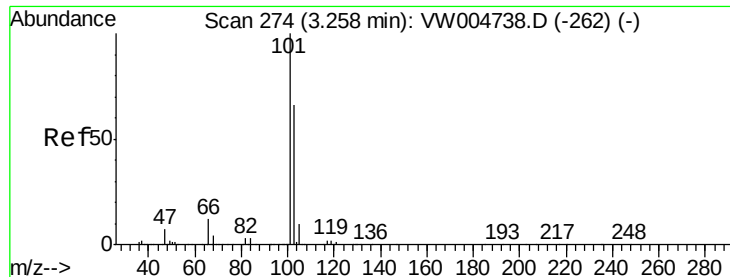
Tgt Ion: 64 Resp: 106845

Ion Ratio Lower Upper

64 100

66 29.1 26.1 39.1





#7

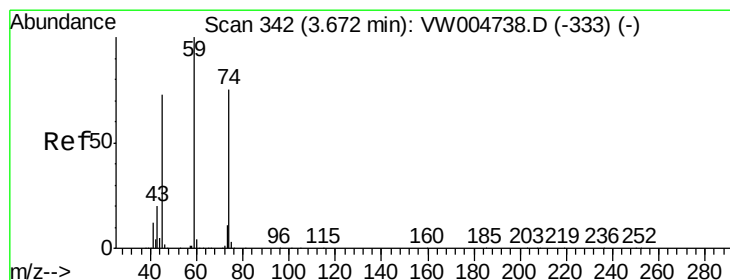
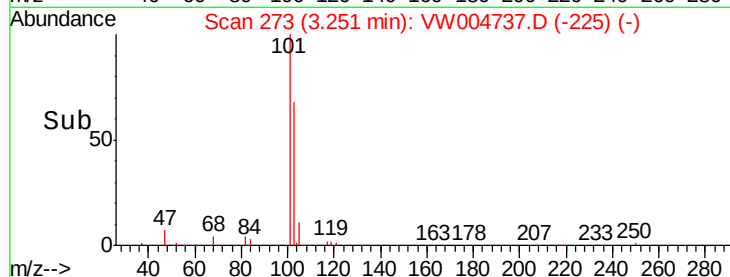
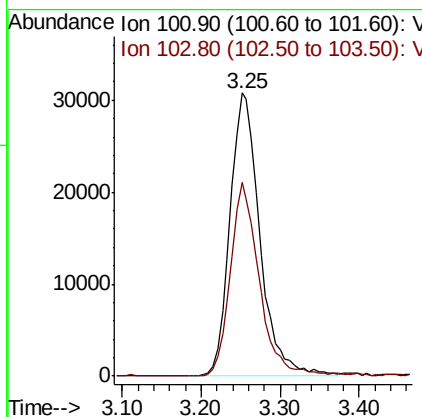
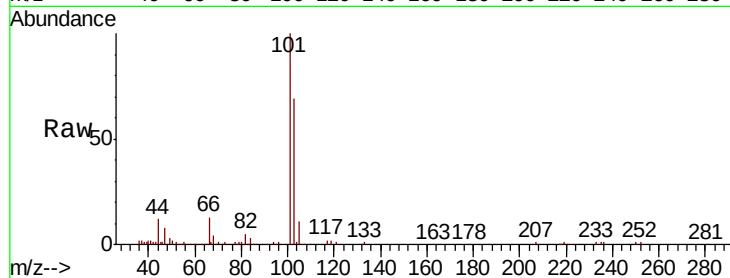
Trichlorofluoromethane
 Concen: 20.38 ug/l
 RT: 3.25 min Scan# 273
 Delta R.T. -0.01 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.6	52.5	78.7

Manual Integrations
 APPROVED

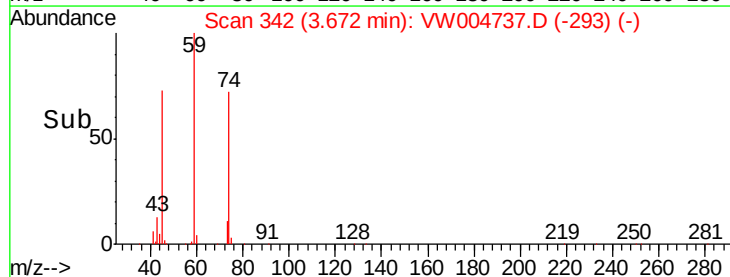
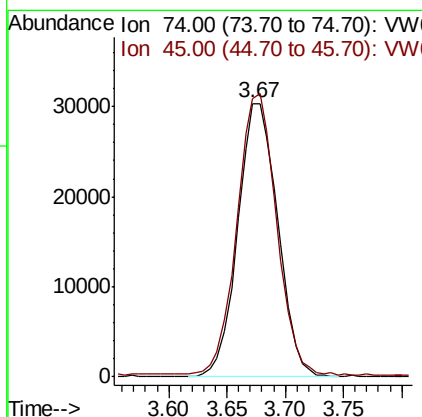
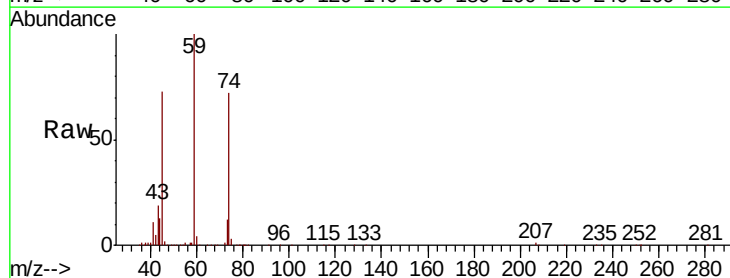
apatel
 8/20/2018 9:53:45 AM

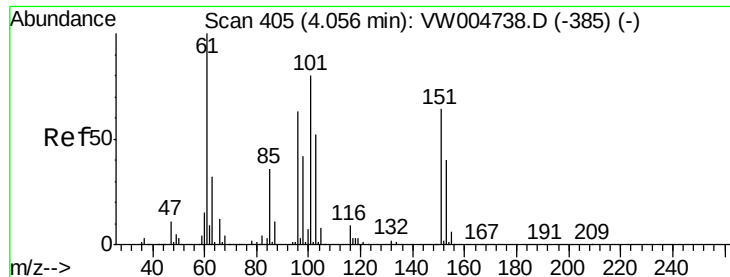


#8

Diethyl Ether
 Concen: 20.08 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.7	49.8	149.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.87 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

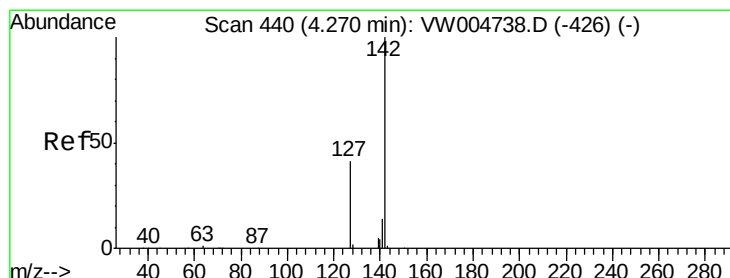
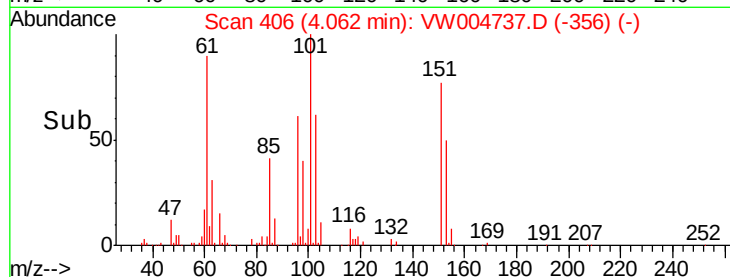
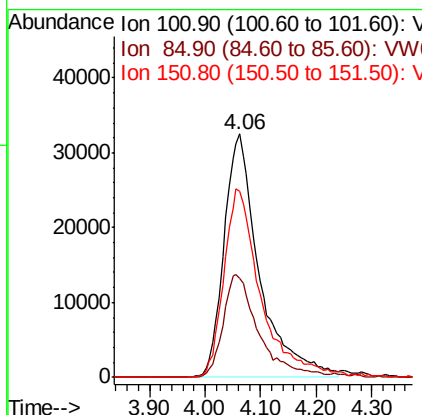
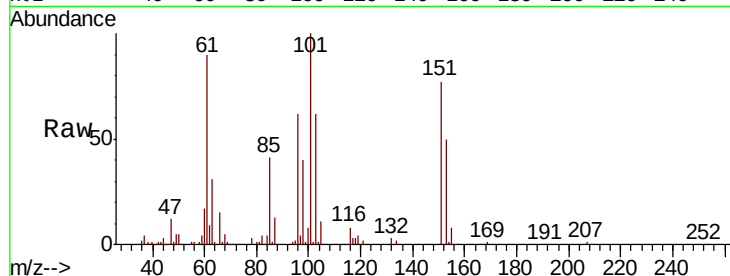
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	143455
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.9	50.9
151	80.7	63.4	95.2

Manual Integrations
APPROVED

apatel
8/20/2018 9:53:45 AM



#10

Methyl Iodide

Concen: 20.60 ug/l

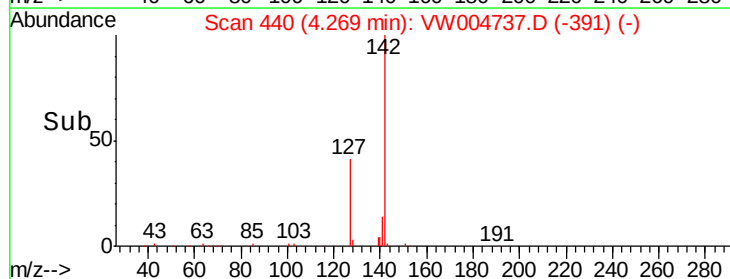
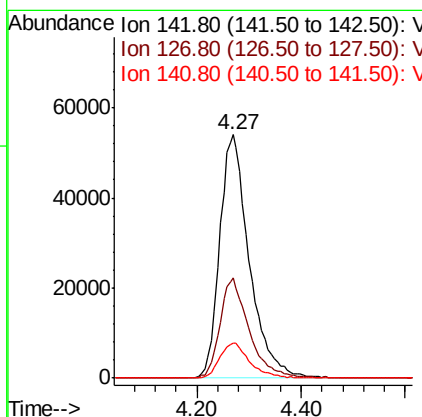
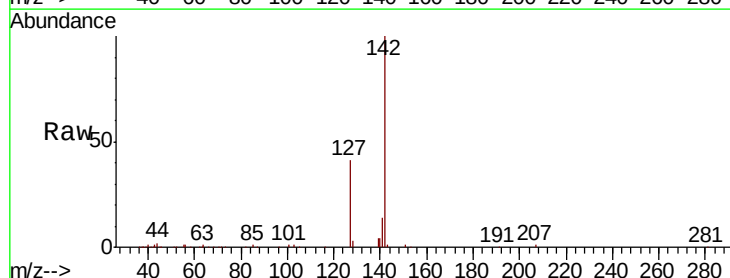
RT: 4.27 min Scan# 440

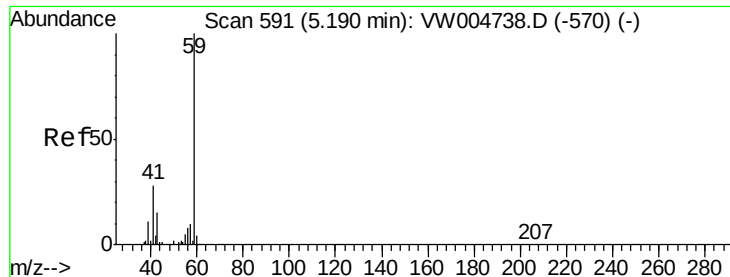
Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Tgt Ion:	142	Resp:	215057
Ion Ratio	Lower	Upper	
142	100		
127	40.2	32.1	48.1
141	14.4	11.7	17.5





#11

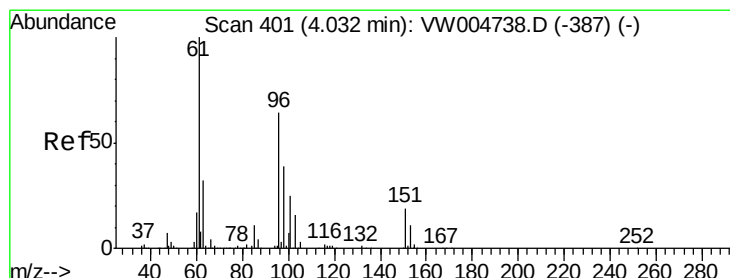
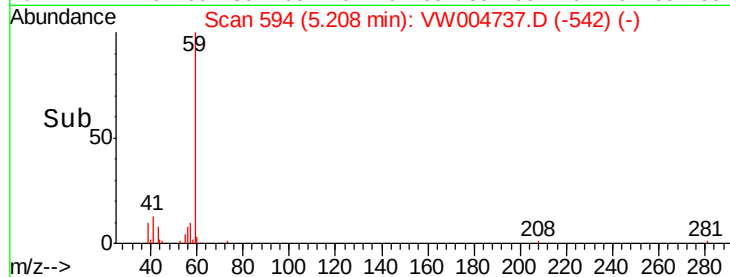
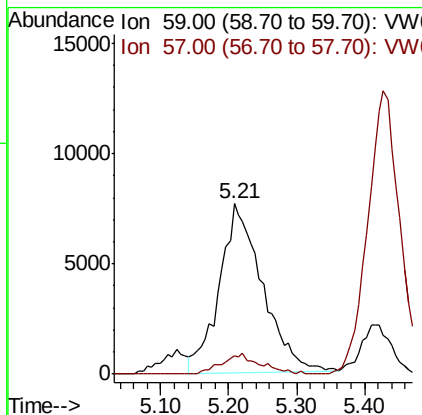
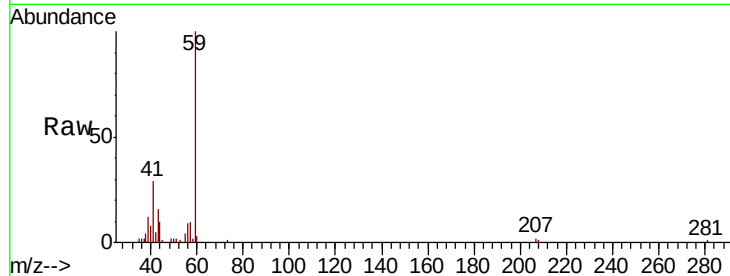
Tert butyl alcohol
Concen: 92.87 ug/l
RT: 5.21 min Scan# 594
Delta R.T. 0.02 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	59	Resp	33611
Ion Ratio	100	Lower	Upper
57	10.8	8.4	12.6

Manual Integrations
APPROVED

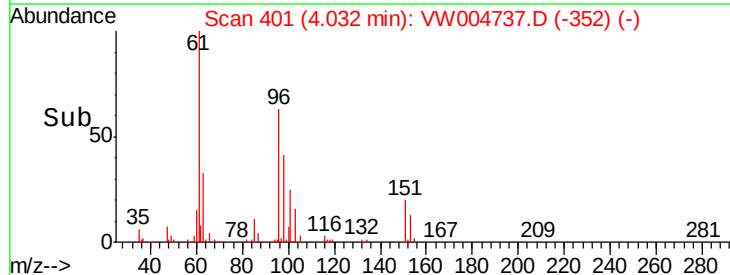
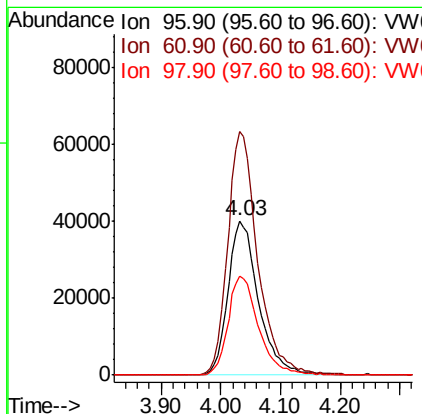
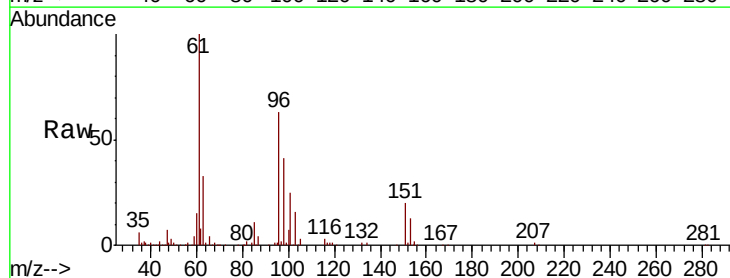
apatel
8/20/2018 9:53:45 AM

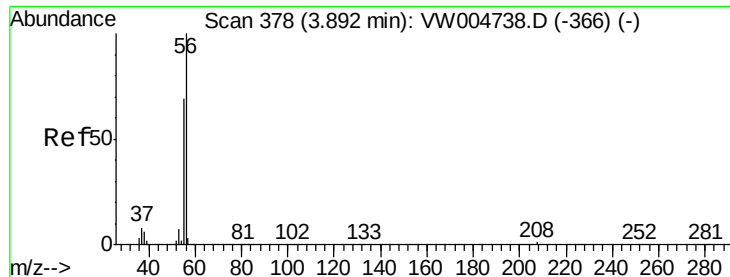


#12

1,1-Dichloroethene
Concen: 20.67 ug/l
RT: 4.03 min Scan# 401
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Tgt Ion	96	Resp	141587
Ion Ratio	100	Lower	Upper
61	158.4	125.6	188.4
98	64.4	49.4	74.0





#13

Acrolein

Concen: 105.38 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 50780

Ion Ratio Lower Upper

56 100

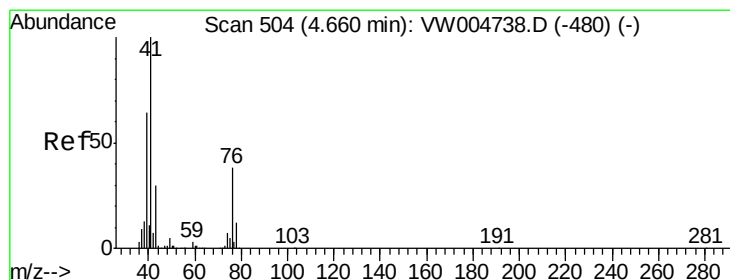
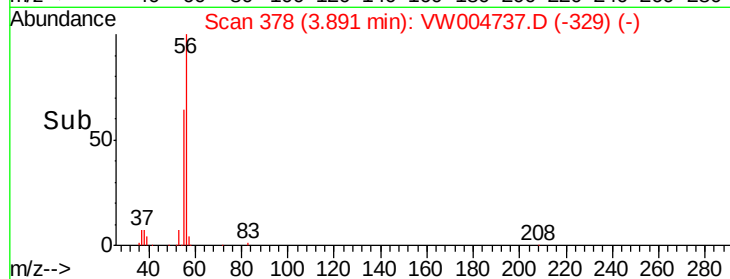
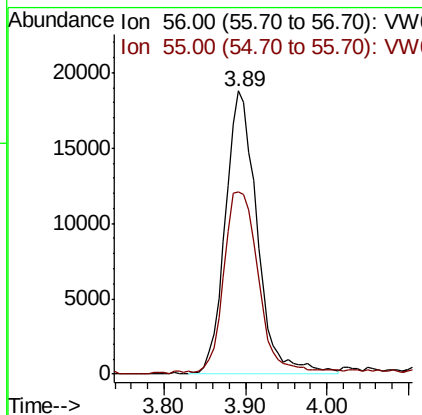
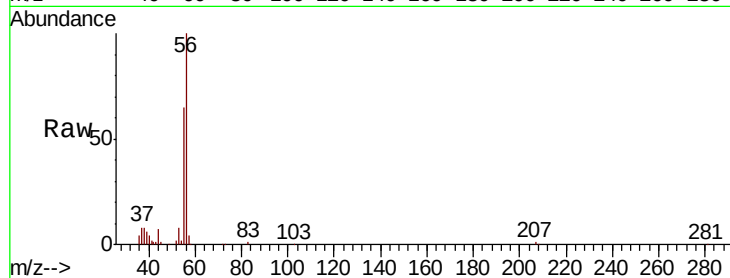
55 67.4 56.1 84.1

Manual Integrations

APPROVED

apatel

8/20/2018 9:53:45 AM



#14

Allyl chloride

Concen: 19.99 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.01 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

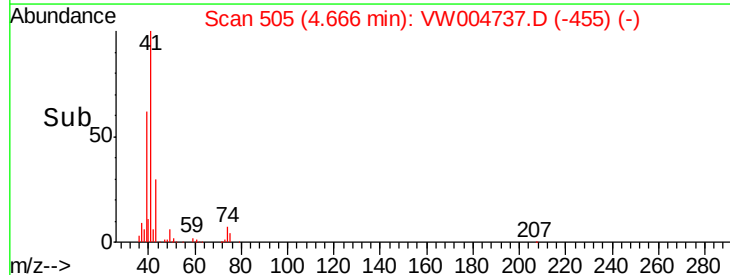
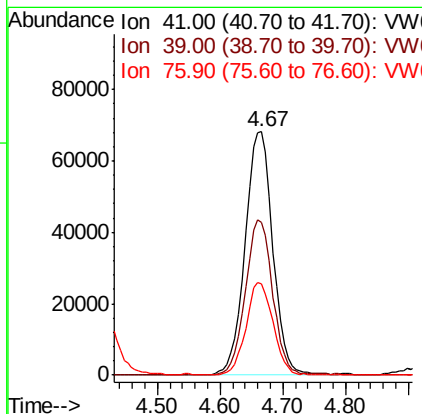
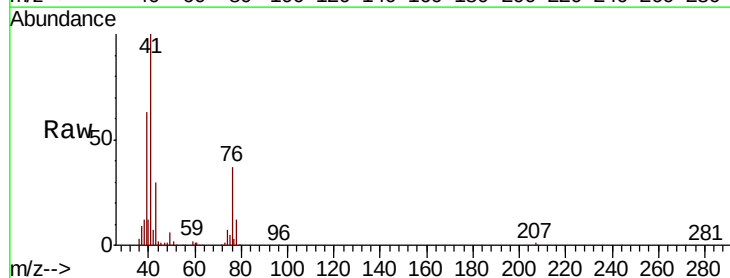
Tgt Ion: 41 Resp: 207791

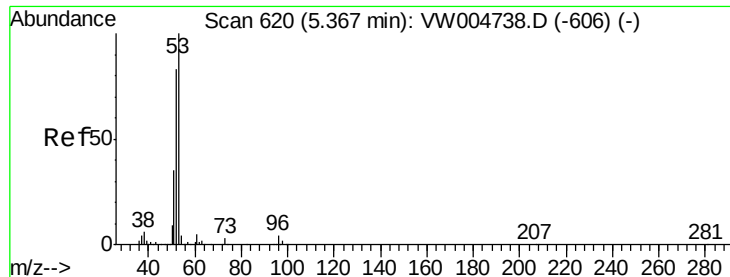
Ion Ratio Lower Upper

41 100

39 62.5 50.0 75.0

76 37.2 29.8 44.6





#15

Acrylonitrile

Concen: 97.74 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.01 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

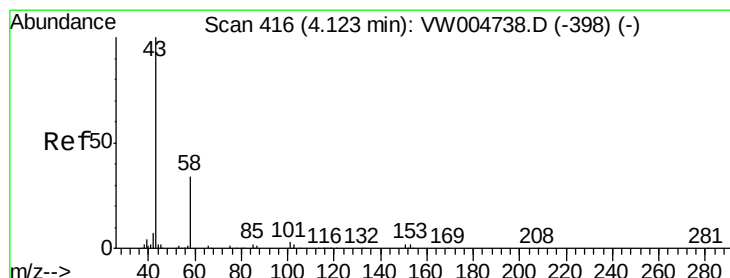
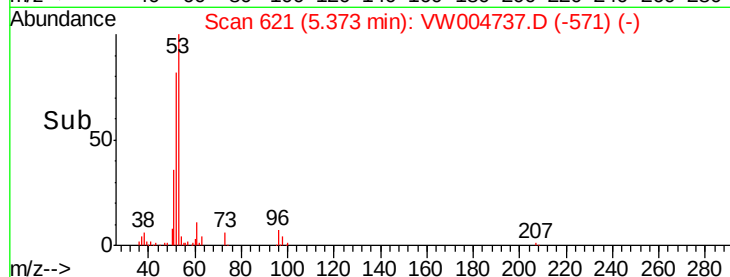
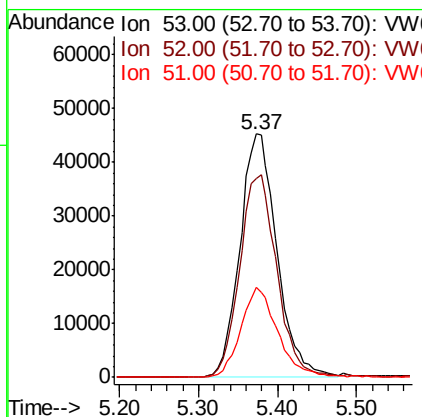
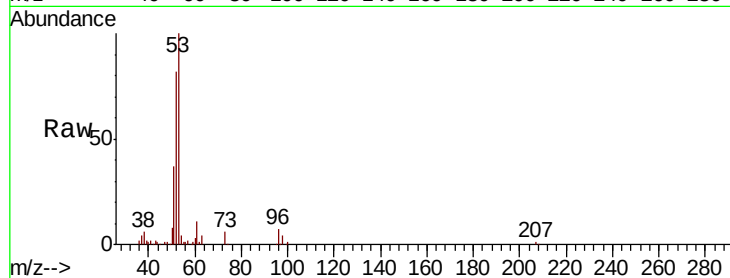
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	147967
Ion Ratio	Lower	Upper	
53	100		
52	83.5	65.8	98.6
51	36.6	28.7	43.1

Manual Integrations
APPROVED

apatel
8/20/2018 9:53:45 AM



#16

Acetone

Concen: 101.23 ug/l

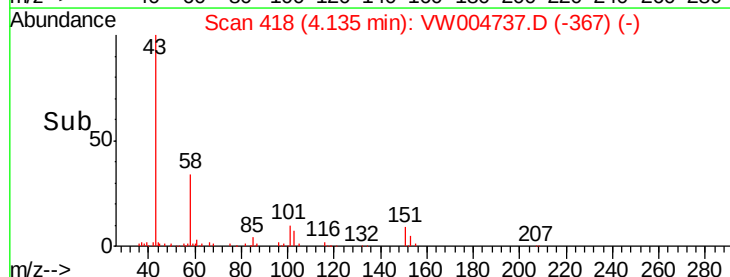
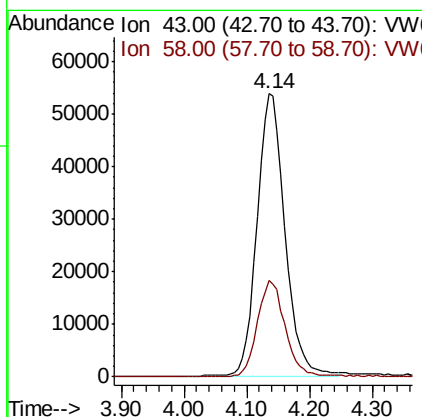
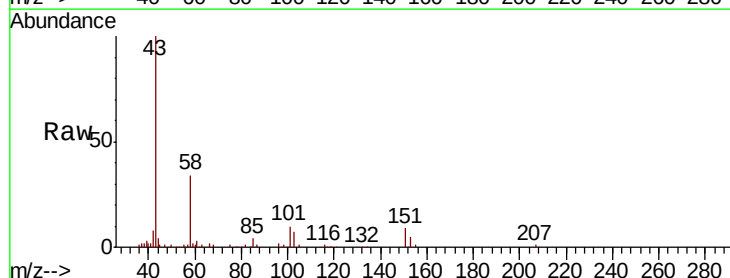
RT: 4.14 min Scan# 418

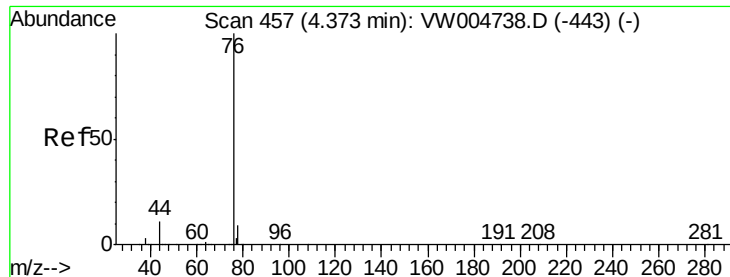
Delta R.T. 0.01 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Tgt Ion:	43	Resp:	166102
Ion Ratio	Lower	Upper	
43	100		
58	33.8	27.3	40.9





#17

Carbon Disulfide

Concen: 20.47 ug/l

RT: 4.38 min Scan# 458

Delta R.T. 0.01 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 460898

Ion Ratio Lower Upper

76 100

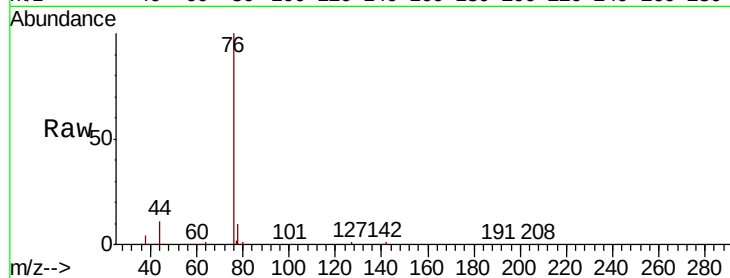
78 10.0 7.4 11.2

Manual Integrations

APPROVED

apatel

8/20/2018 9:53:45 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

150000

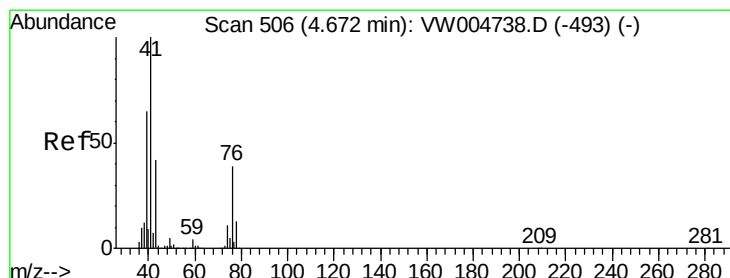
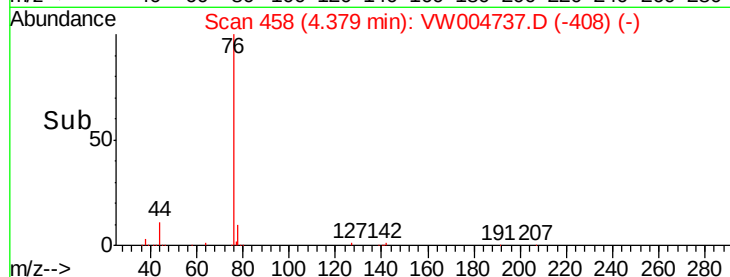
100000

50000

0

4.20 4.30 4.40 4.50 4.60

Time-->



#18

Methyl Acetate

Concen: 19.69 ug/l

RT: 4.67 min Scan# 506

Delta R.T. -0.00 min

Lab File: VW004737.D

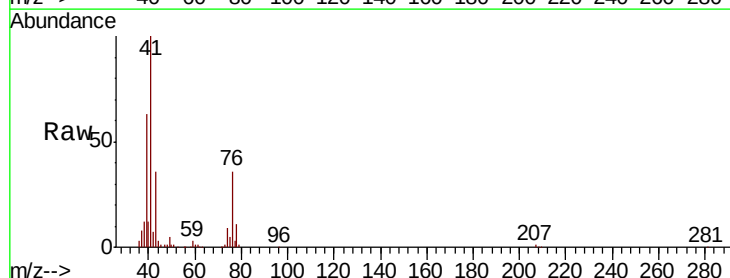
Acq: 17 Aug 2018 16:46

Tgt Ion: 43 Resp: 69214

Ion Ratio Lower Upper

43 100

74 24.1 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

25000

20000

15000

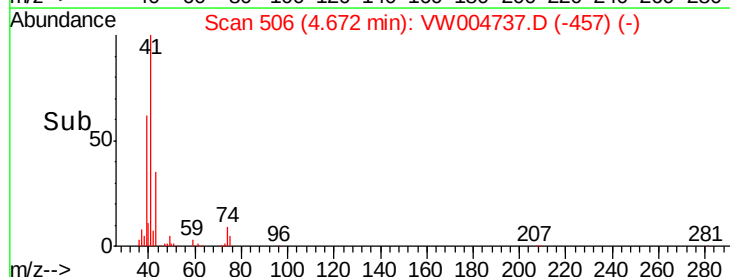
10000

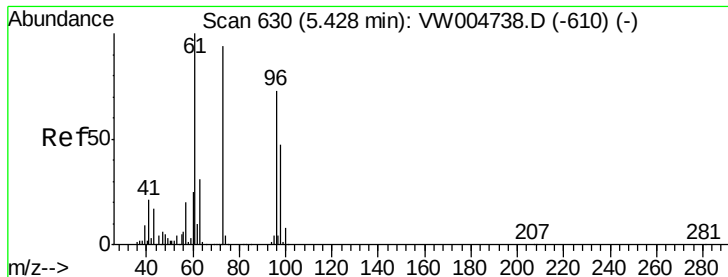
5000

0

4.50 4.60 4.70 4.80

Time-->





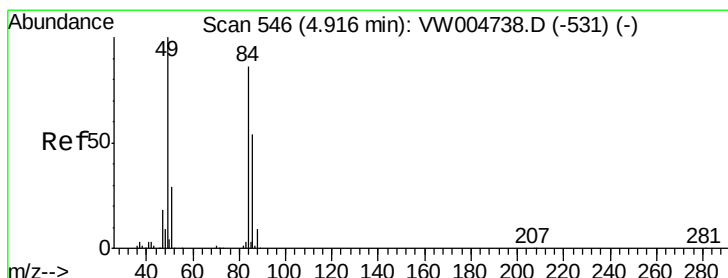
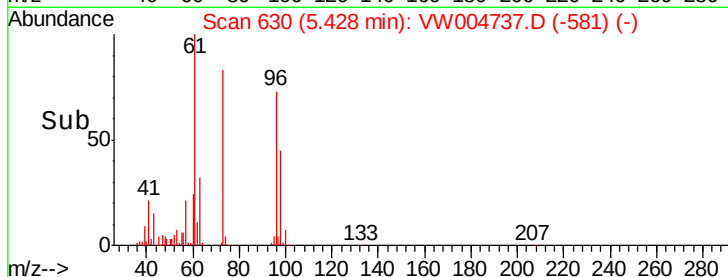
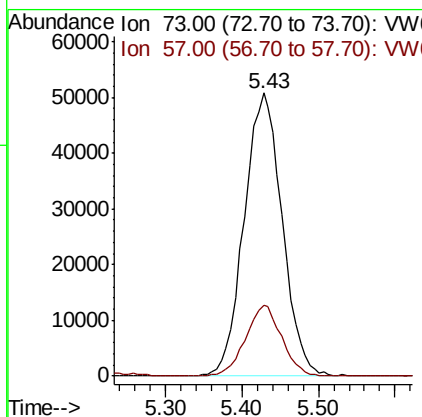
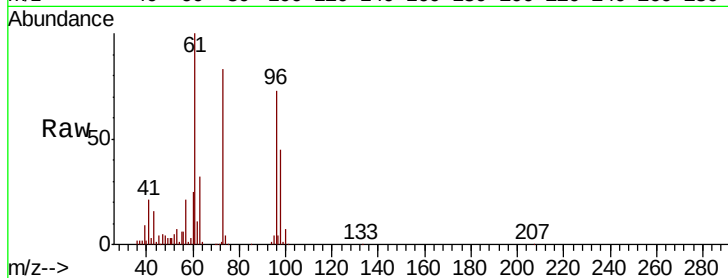
#19
Methyl tert-butyl Ether
Concen: 19.78 ug/l
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.3	17.3	25.9

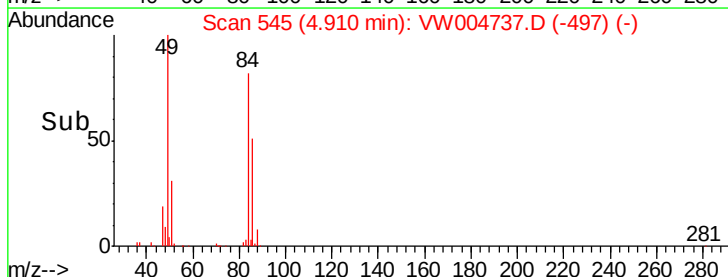
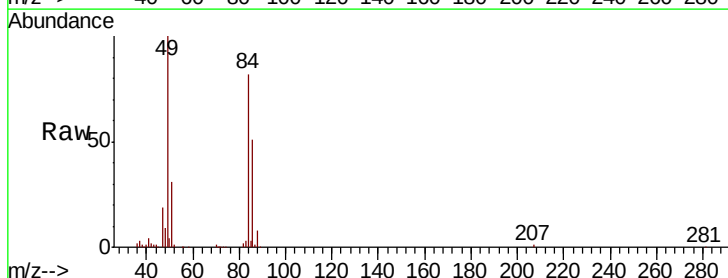
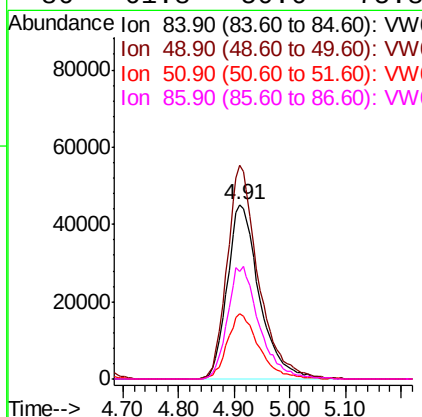
Manual Integrations
APPROVED

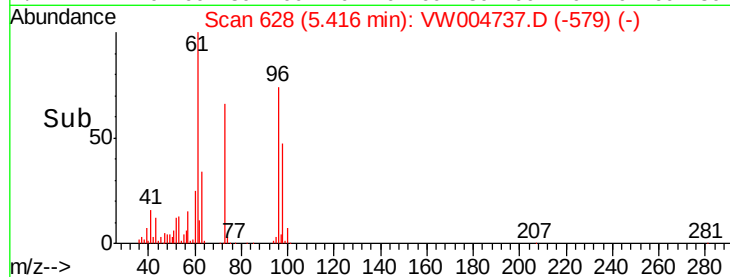
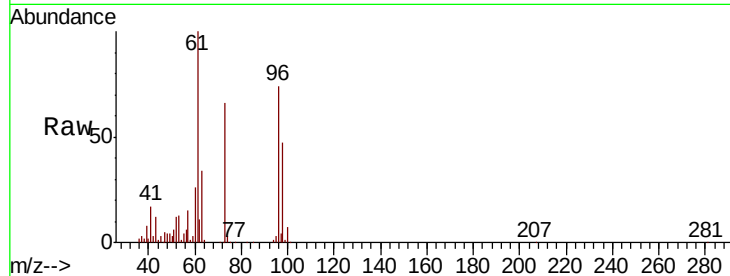
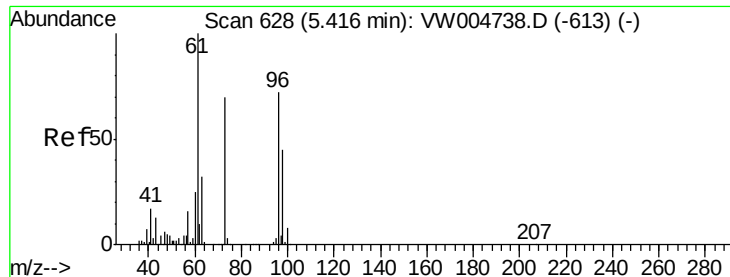
apatel
8/20/2018 9:53:45 AM



#20
Methylene Chloride
Concen: 20.13 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.4	93.2	139.8
51	37.7	27.4	41.0
86	61.8	50.6	75.8





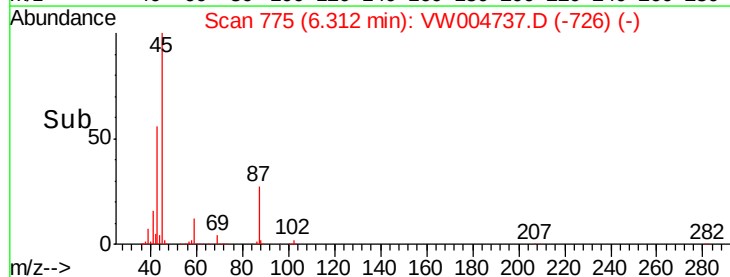
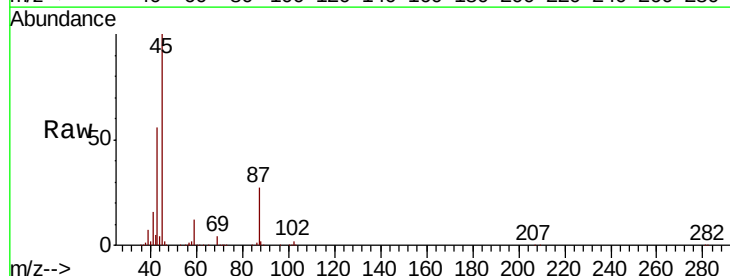
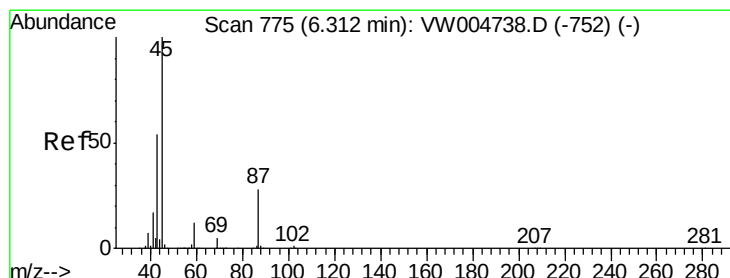
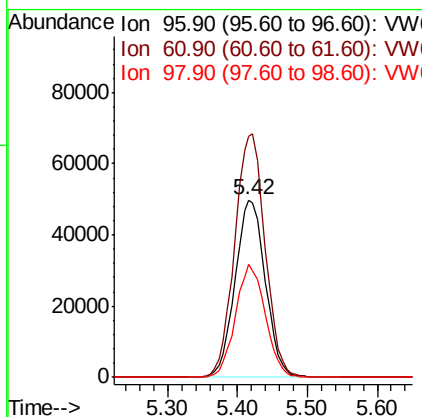
#21
trans-1,2-Dichloroethene
Concen: 20.52 ug/l
RT: 5.42 min Scan# 628
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Tot Ion	Ratio	Resp	Lower	Upper
96	100	149575		
61	135.8		111.4	167.0
98	63.7		49.7	74.5

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

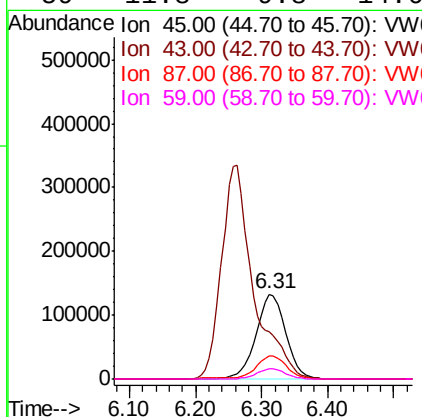
Manual Integrations
APPROVED

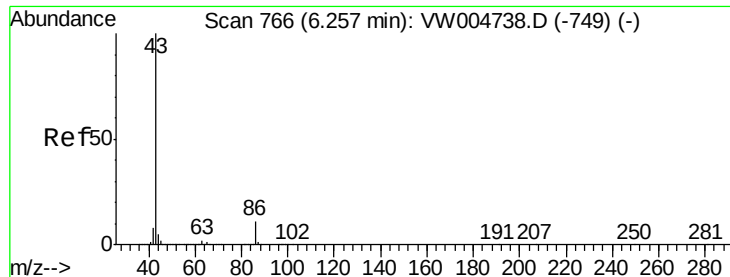
apatel
8/20/2018 9:53:45 AM



#22
Diisopropyl ether
Concen: 20.80 ug/l
RT: 6.31 min Scan# 775
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	415586		
43	55.4		43.0	64.6
87	27.2		22.2	33.4
59	11.8		9.8	14.6





#23

Vinyl Acetate

Concen: 99.04 ug/l

RT: 6.26 min Scan# 767

Delta R.T. 0.01 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Tot Ion: 43 Resp: 1119425

Ion Ratio Lower Upper

43 100

86 10.5 8.5 12.7

Instrument :

MSVOA_W

ClientSampleId :

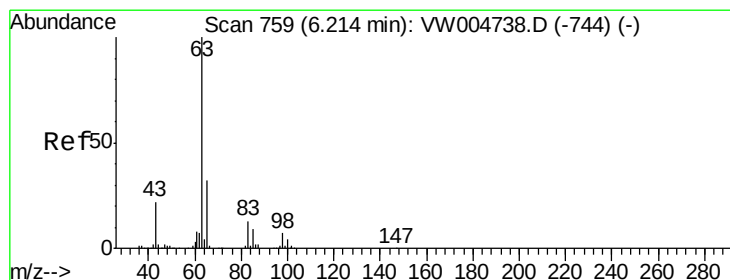
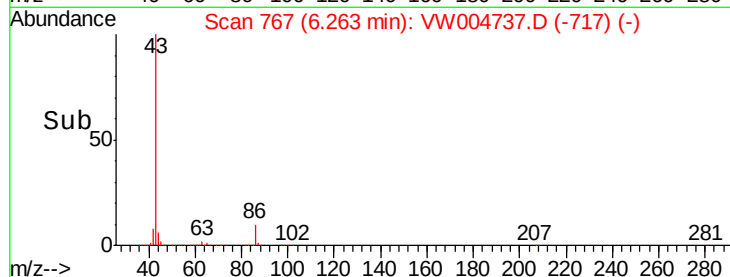
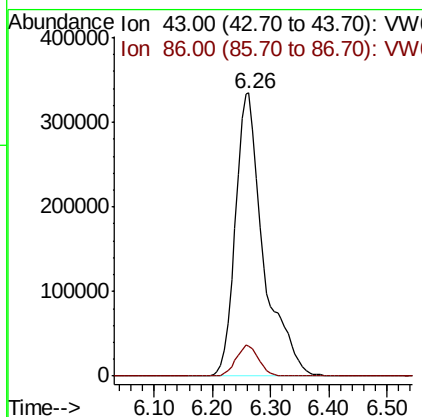
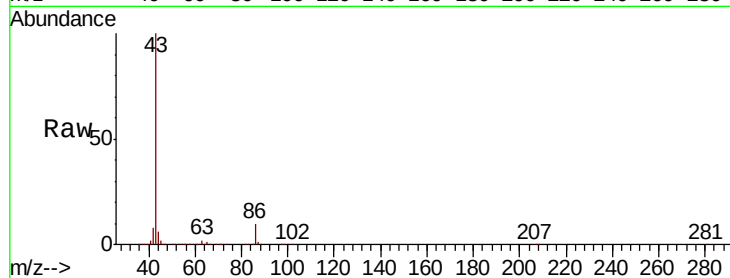
VSTDIC020

Manual Integrations

APPROVED

apatel

8/20/2018 9:53:45 AM



#24

1,1-Dichloroethane

Concen: 20.32 ug/l

RT: 6.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

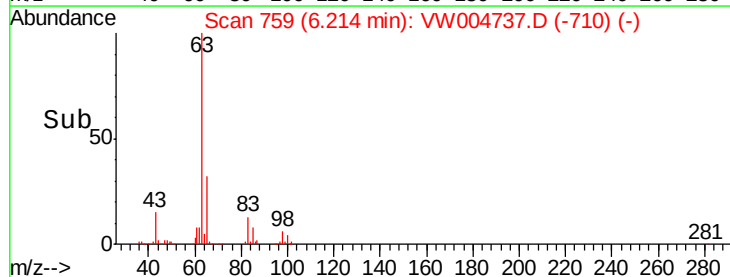
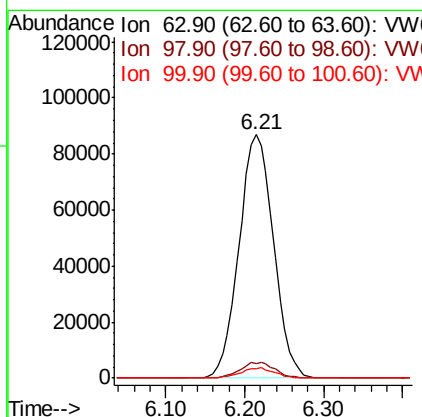
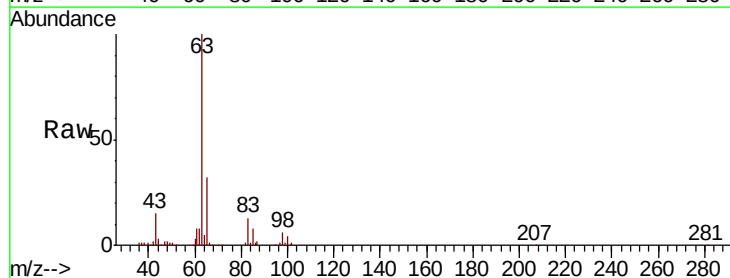
Tgt Ion: 63 Resp: 263935

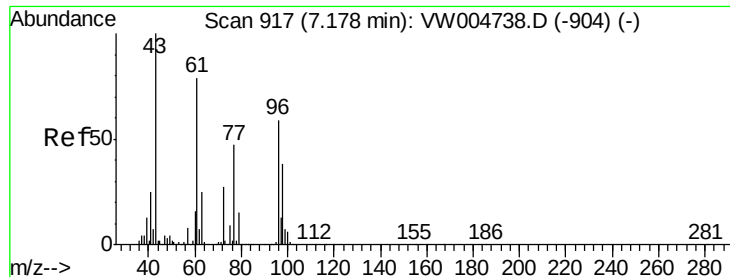
Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.4

100 3.9 2.1 6.3





#25

2-Butanone

Concen: 98.68 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 230687

Ion Ratio Lower Upper

43 100

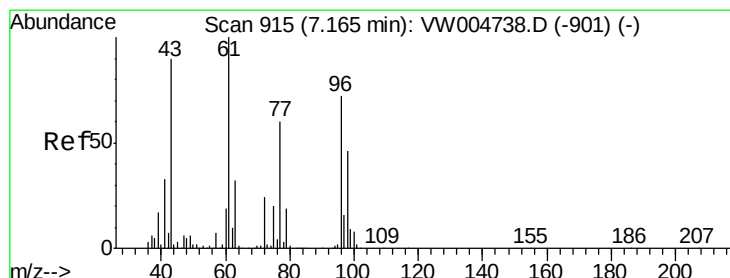
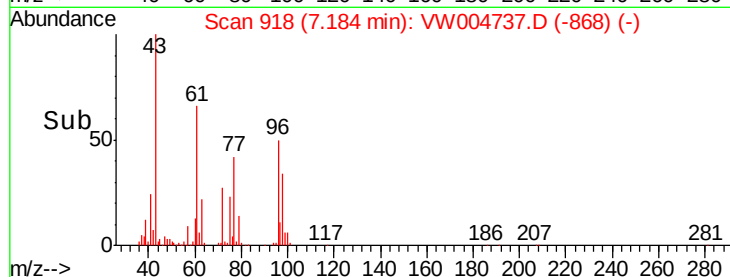
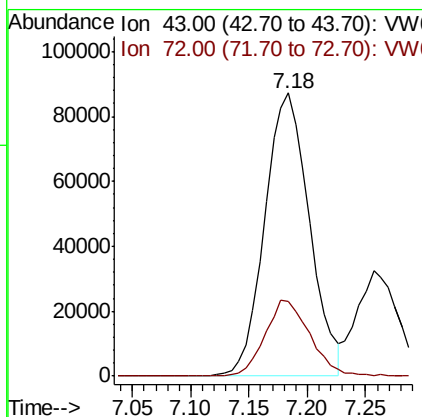
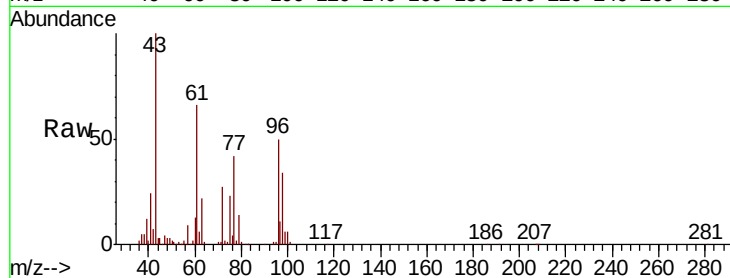
72 26.6 22.0 33.0

Manual Integrations

APPROVED

apatel

8/20/2018 9:53:45 AM



#26

2,2-Dichloropropane

Concen: 20.40 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW004737.D

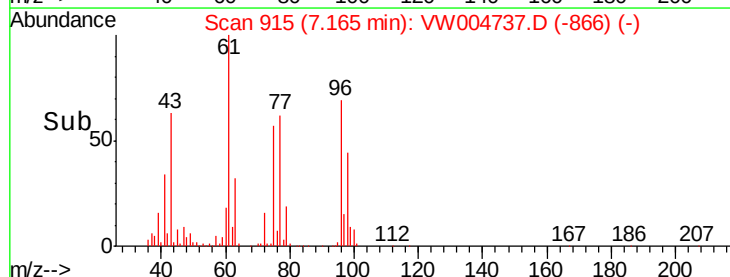
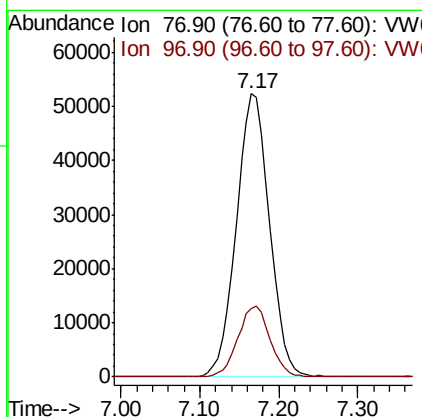
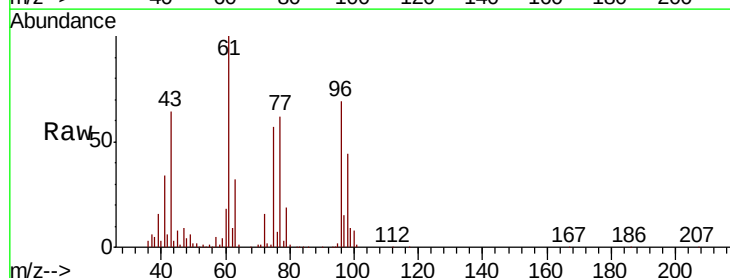
Acq: 17 Aug 2018 16:46

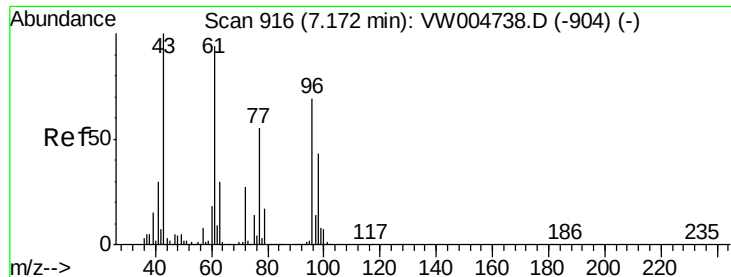
Tgt Ion: 77 Resp: 152993

Ion Ratio Lower Upper

77 100

97 24.1 12.6 37.8





#27

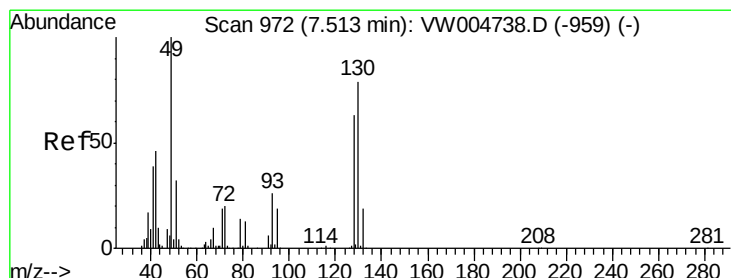
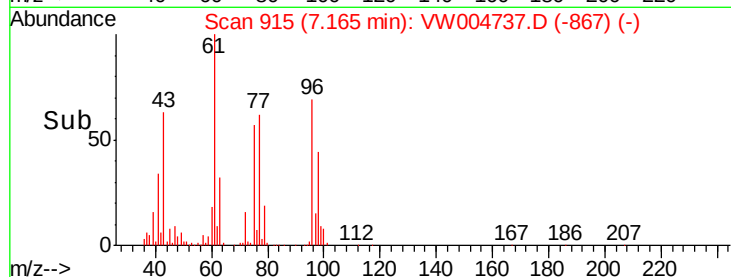
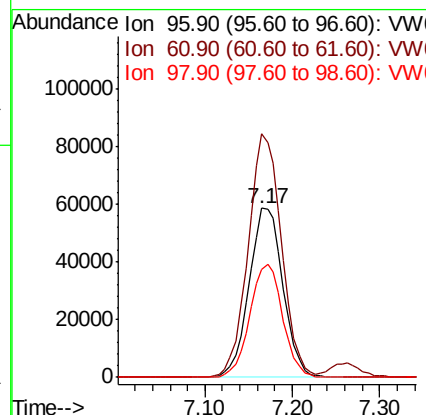
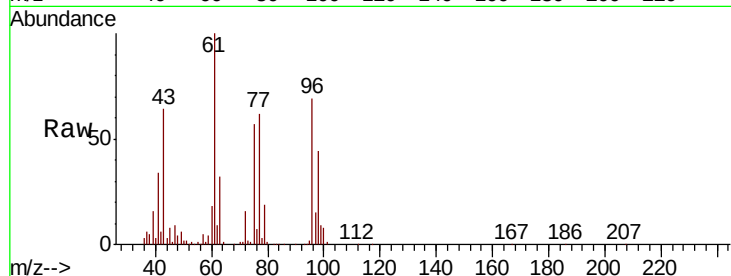
cis-1,2-Dichloroethene
 Concen: 19.99 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	156857		
61	141.5	0.0	277.6	
98	64.9	0.0	127.4	

Manual Integrations
 APPROVED

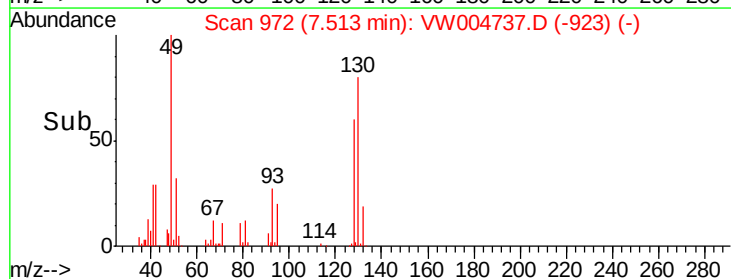
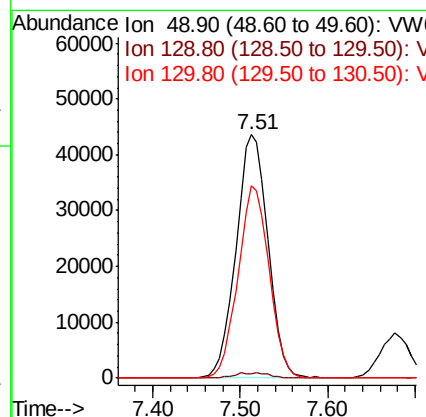
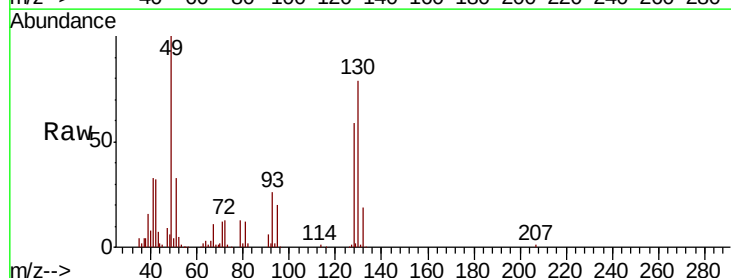
apatel
 8/20/2018 9:53:45 AM

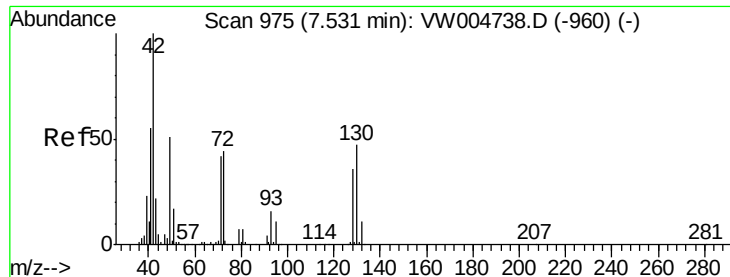


#28

Bromochloromethane
 Concen: 20.21 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	110522		
129	1.2	0.0	4.4	
130	76.9	63.7	95.5	





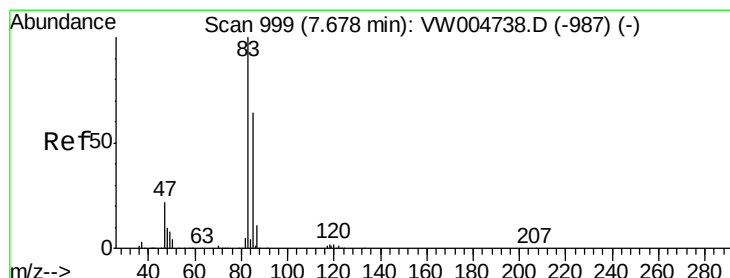
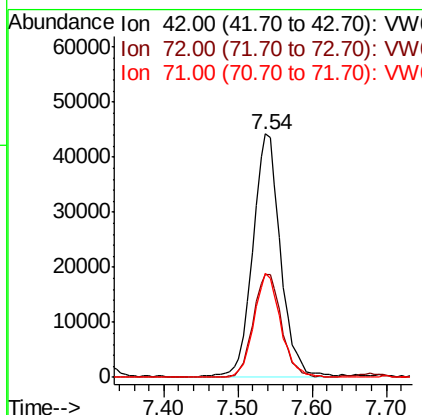
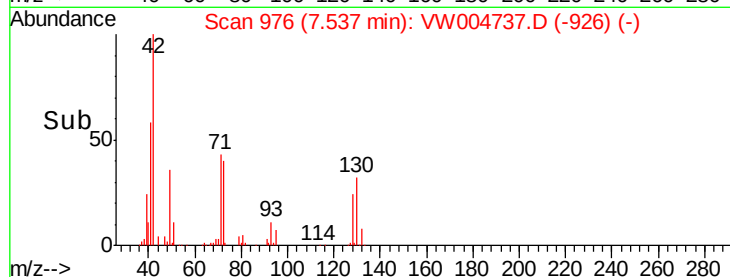
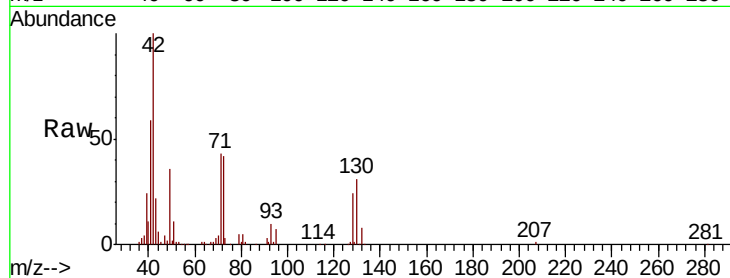
#29
Tetrahydrofuran
Concen: 96.18 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.9	52.3
71	41.7	33.8	50.6

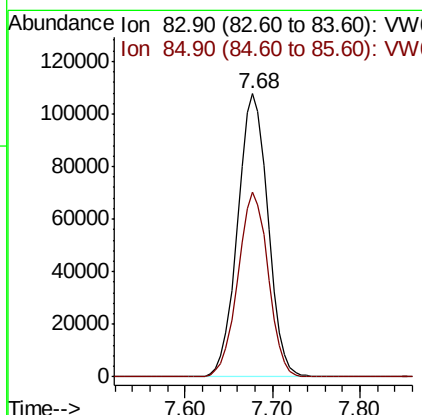
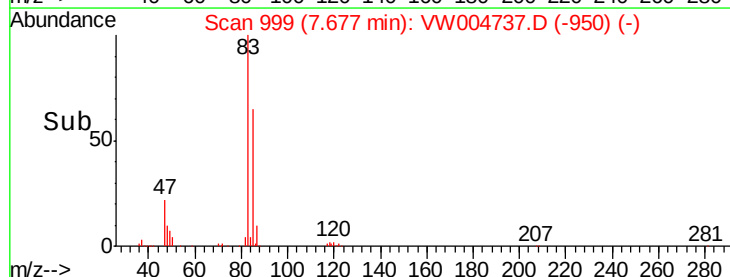
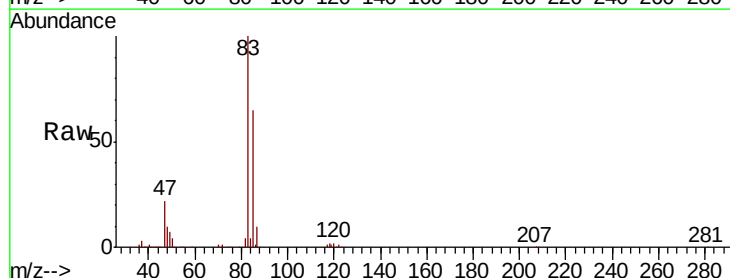
Manual Integrations
APPROVED

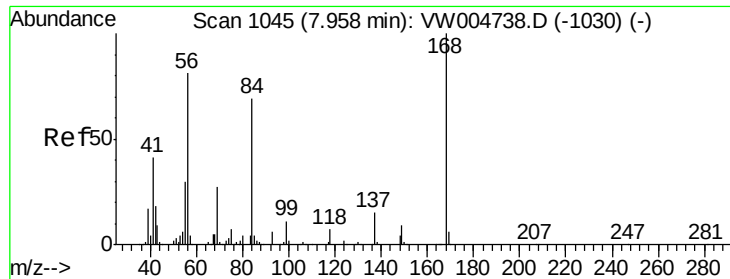
apatel
8/20/2018 9:53:45 AM



#30
Chloroform
Concen: 20.29 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.0	76.6





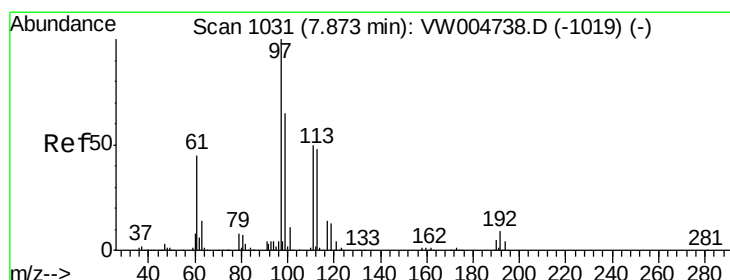
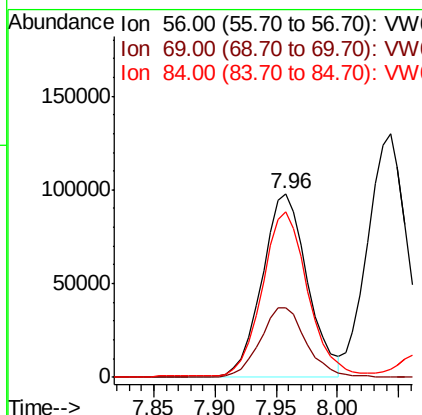
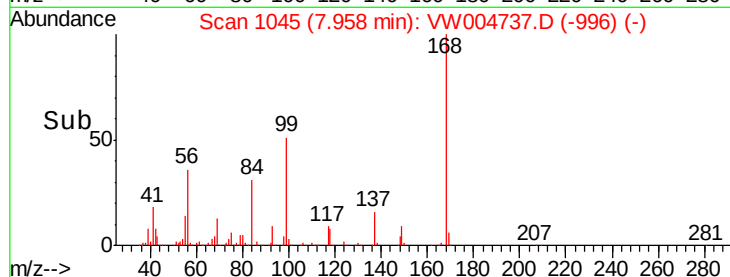
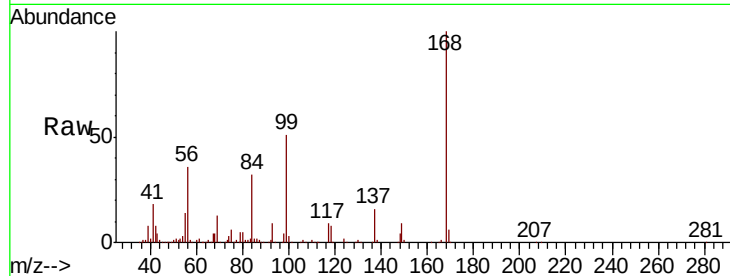
#31
Cyclohexane
Concen: 20.17 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.8	27.1	40.7
84	88.7	68.3	102.5

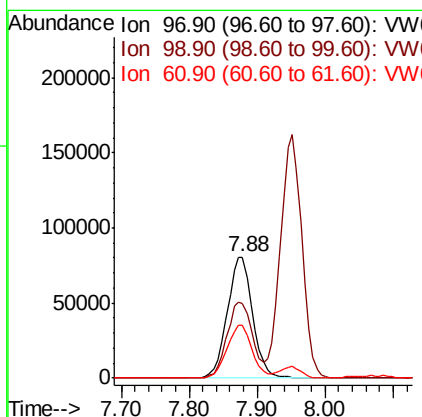
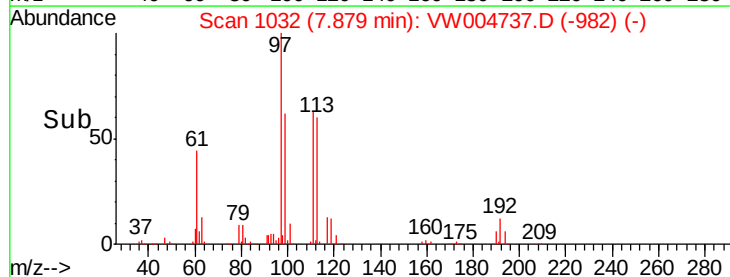
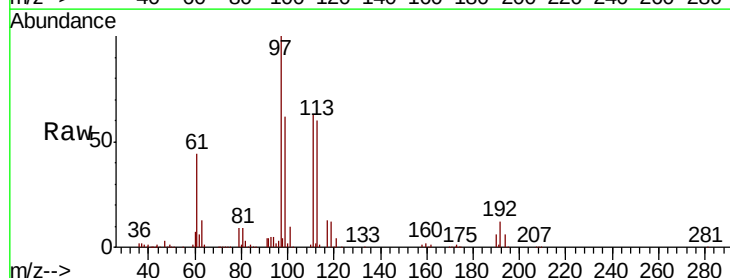
Manual Integrations
APPROVED

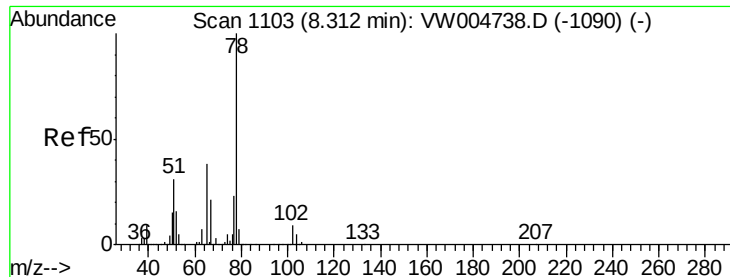
apatel
8/20/2018 9:53:45 AM



#32
1,1,1-Trichloroethane
Concen: 20.51 ug/l
RT: 7.88 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.7	77.5
61	43.5	34.4	51.6





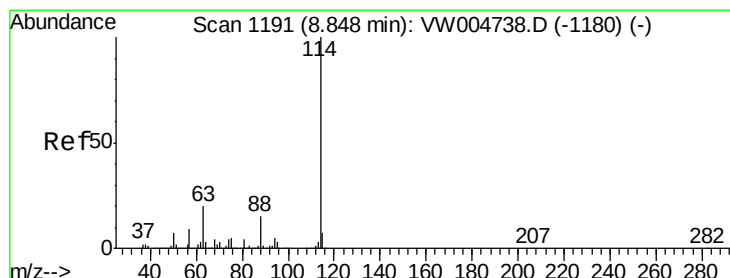
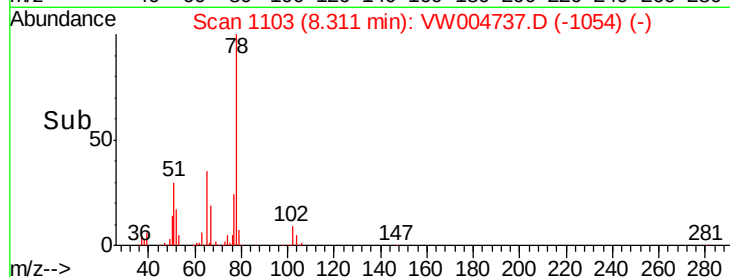
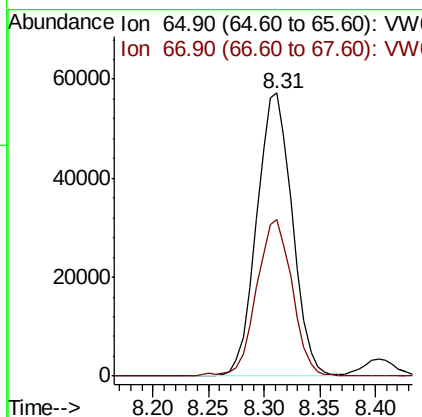
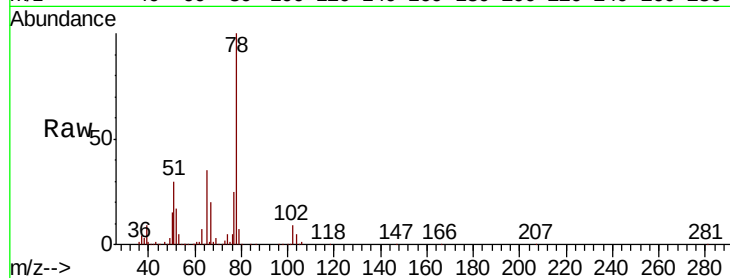
#33
 1,2-Dichloroethane-d4
 Concen: 19.81 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.2	0.0	109.4	

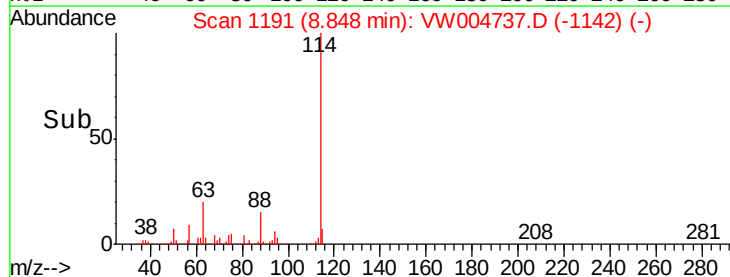
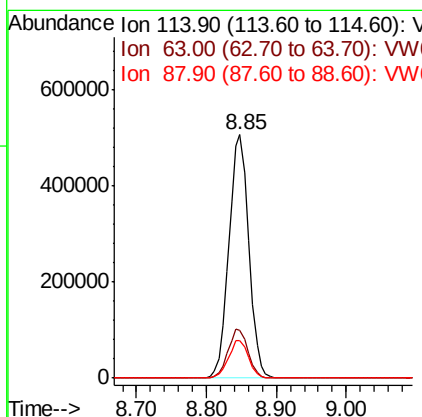
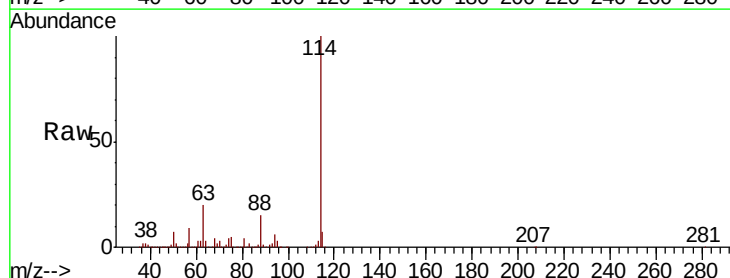
Manual Integrations
 APPROVED

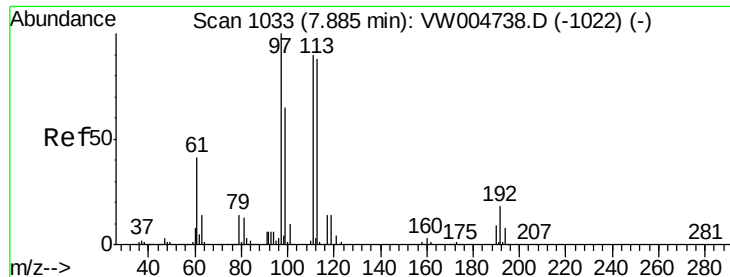
apatel
 8/20/2018 9:53:45 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.5	0.0	39.0	
88	15.3	0.0	30.0	





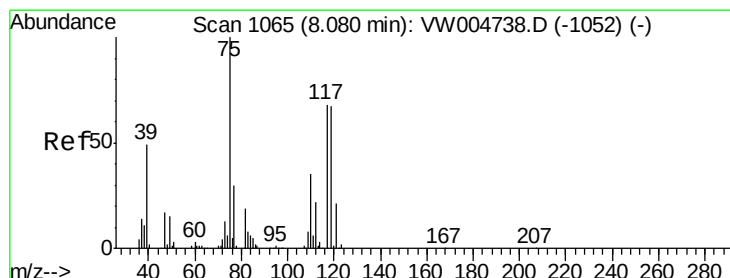
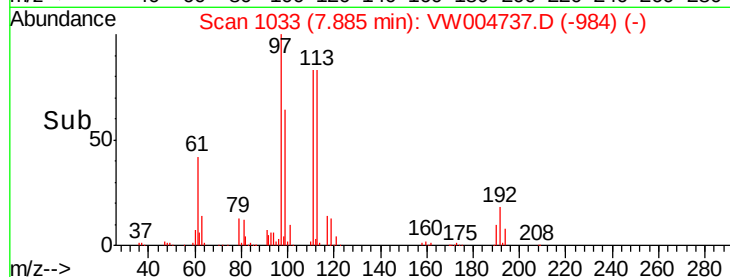
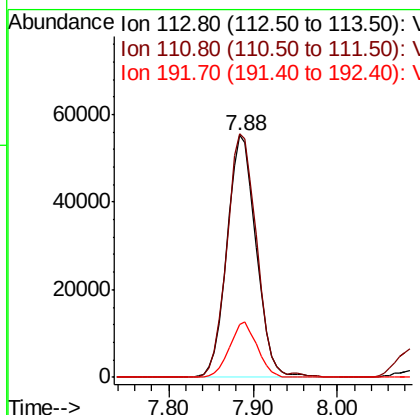
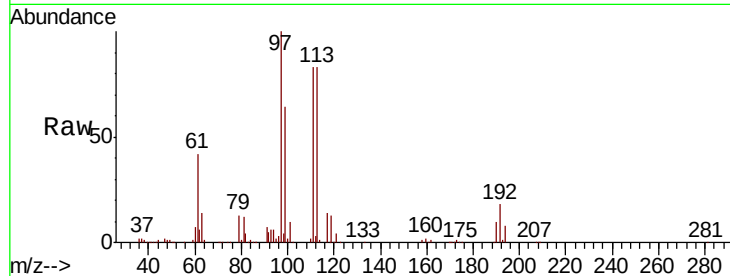
#35
 Dibromofluoromethane
 Concen: 20.35 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	129691		
111	101.4	82.4	123.6	
192	21.7	16.7	25.1	

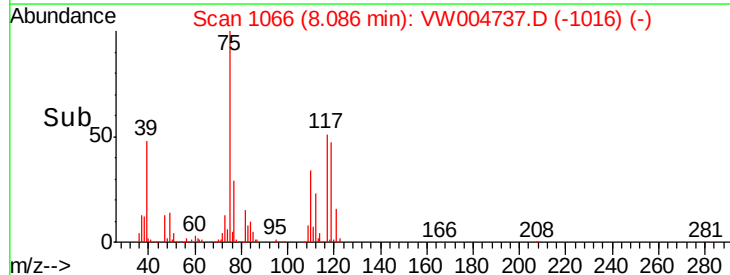
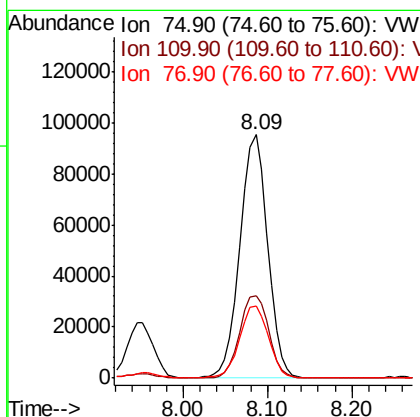
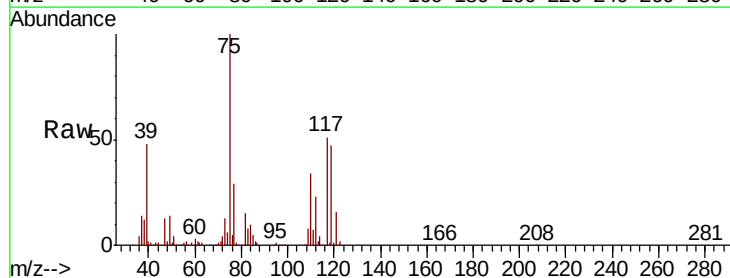
Manual Integrations
 APPROVED

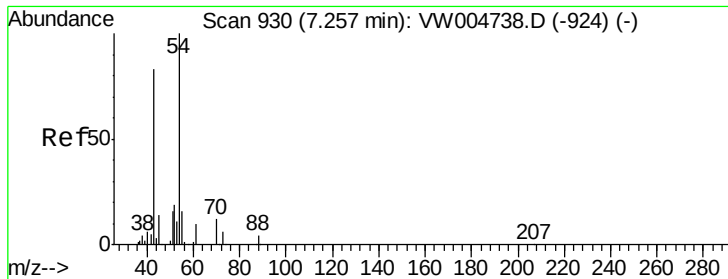
apatel
 8/20/2018 9:53:45 AM



#36
 1,1-Dichloropropene
 Concen: 20.66 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	212248		
110	35.3	17.8	53.5	
77	30.9	24.9	37.3	





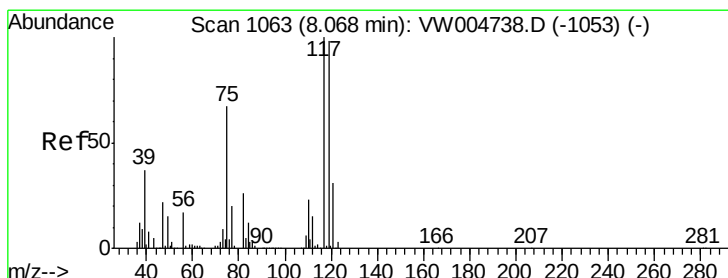
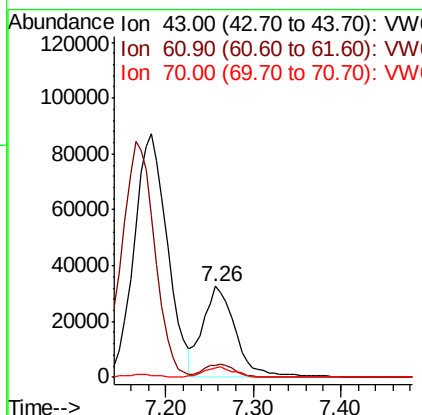
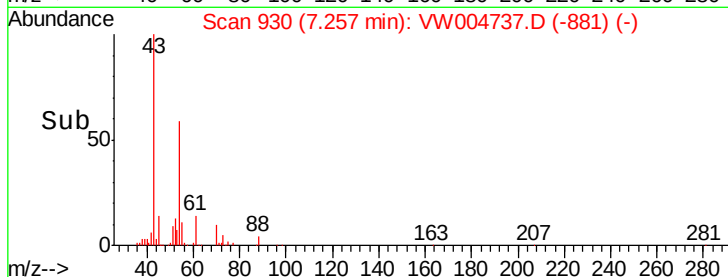
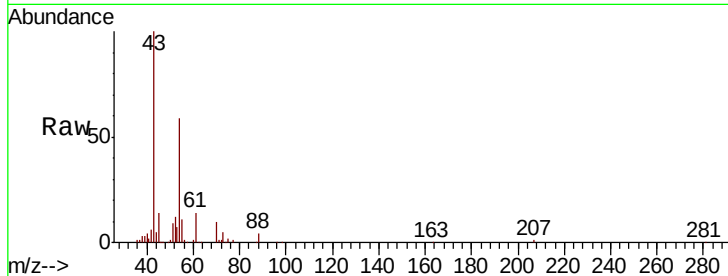
#37
Ethyl Acetate
Concen: 20.37 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.6	17.4
70	11.0	9.2	13.8

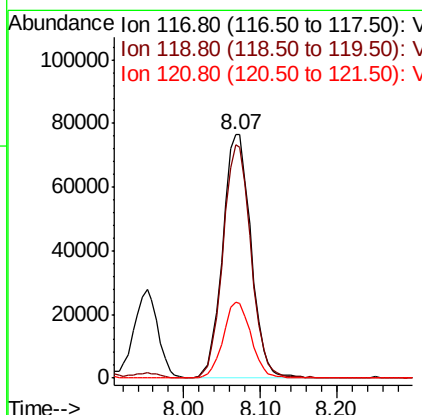
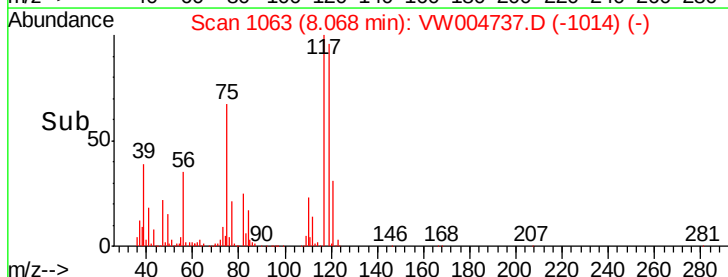
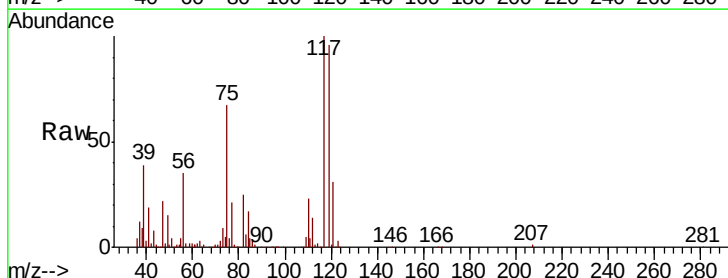
Manual Integrations
APPROVED

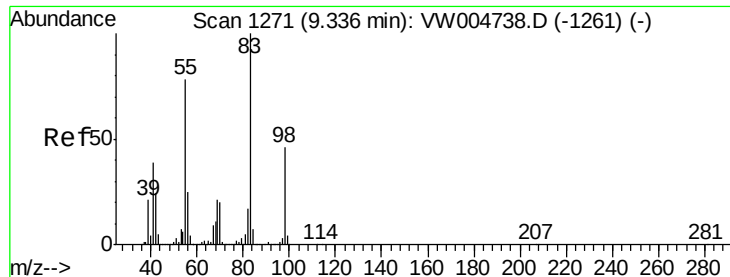
apatel
8/20/2018 9:53:45 AM



#38
Carbon Tetrachloride
Concen: 20.66 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	78.0	117.0
121	31.0	24.8	37.2





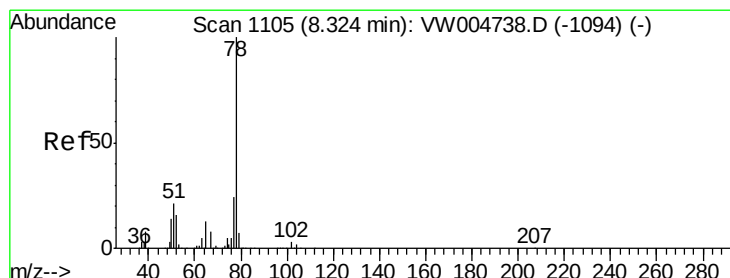
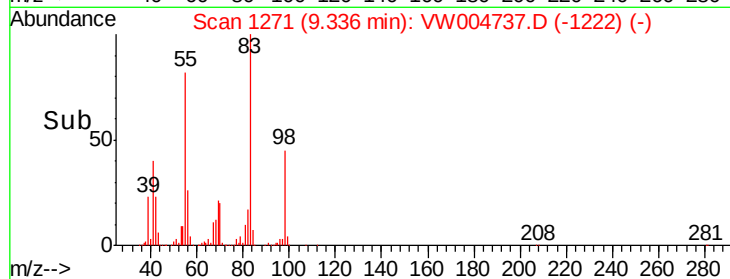
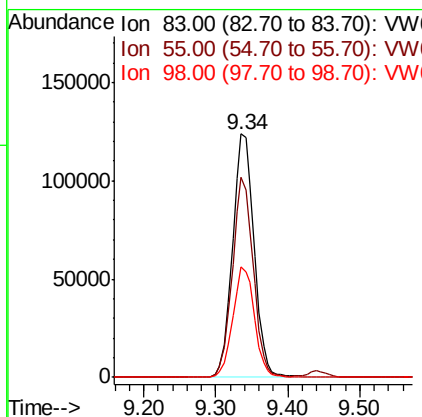
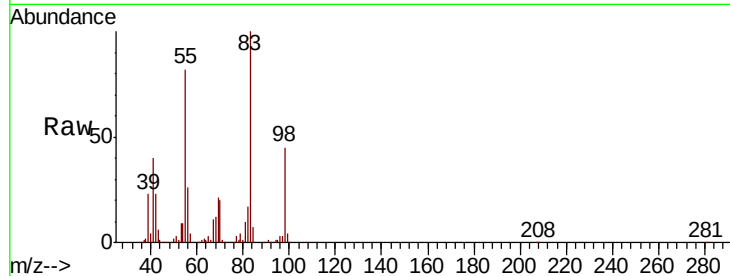
#39
Methylvlcyclohexane
Concen: 20.12 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.1	62.4	93.6
98	45.2	36.5	54.7

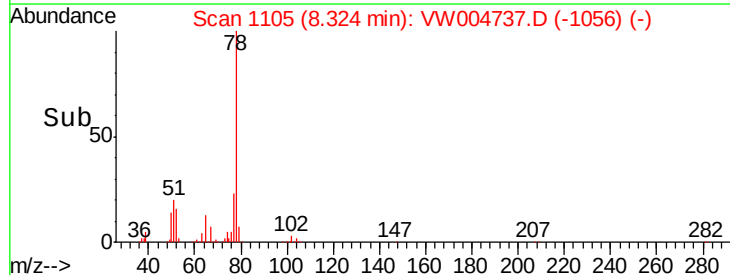
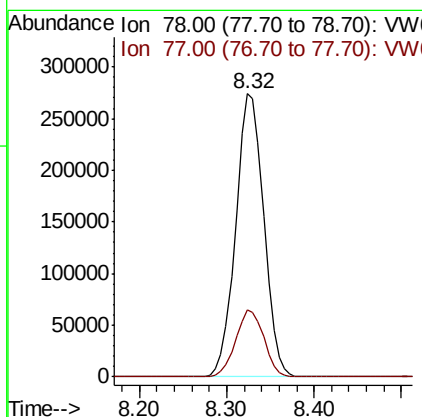
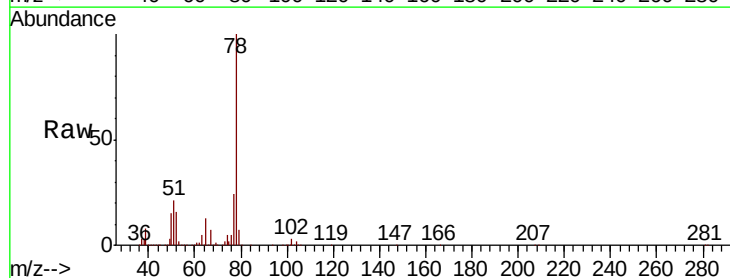
Manual Integrations
APPROVED

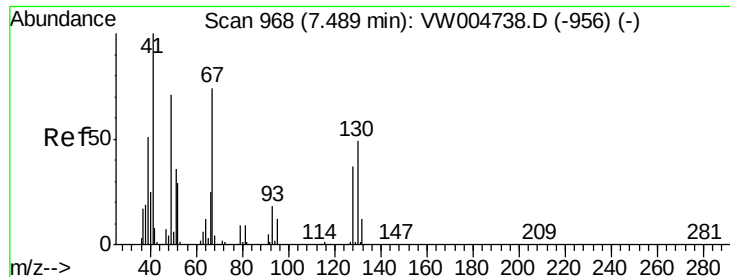
apatel
8/20/2018 9:53:45 AM



#40
Benzene
Concen: 20.49 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6





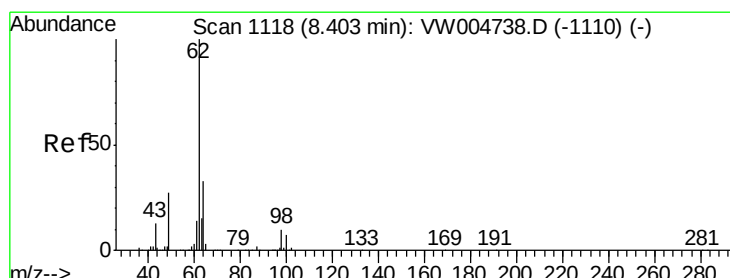
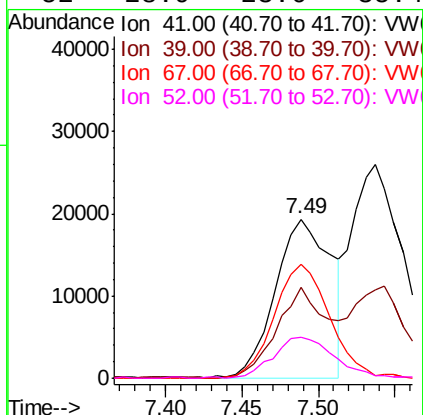
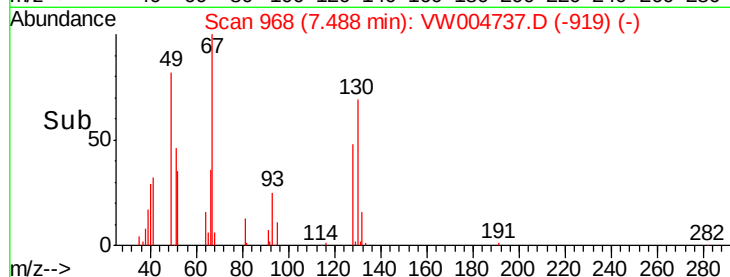
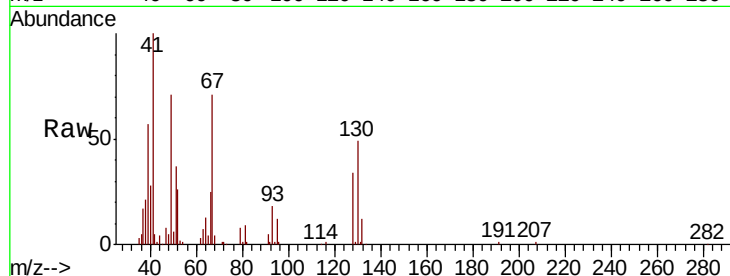
#41
Methacrylonitrile
Concen: 21.04 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.2	41.0	61.4	
67	71.3	59.5	89.3	
52	28.9	23.6	35.4	

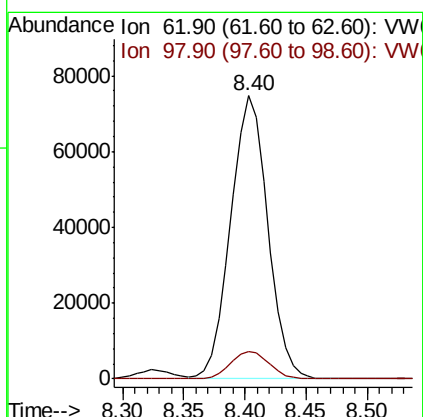
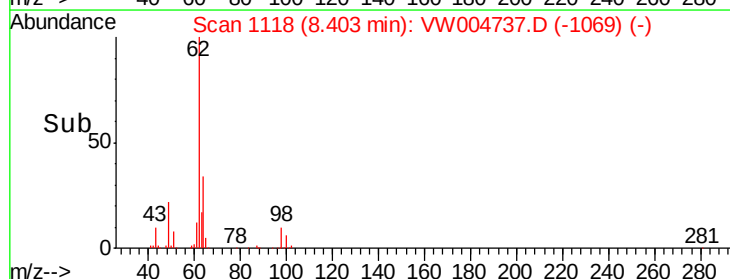
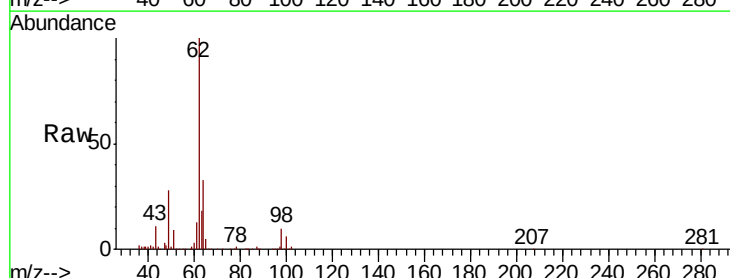
Manual Integrations
APPROVED

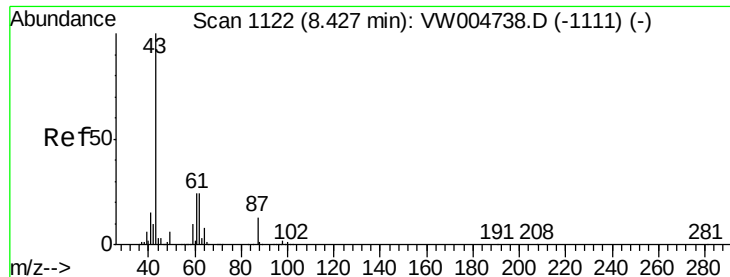
apatel
8/20/2018 9:53:45 AM



#42
1,2-Dichloroethane
Concen: 20.55 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	20.2	





#43

Isopropyl Acetate

Concen: 19.39 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

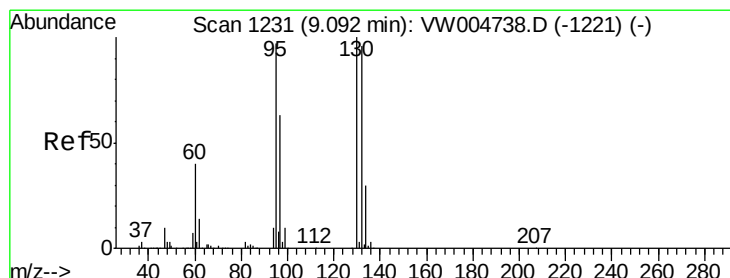
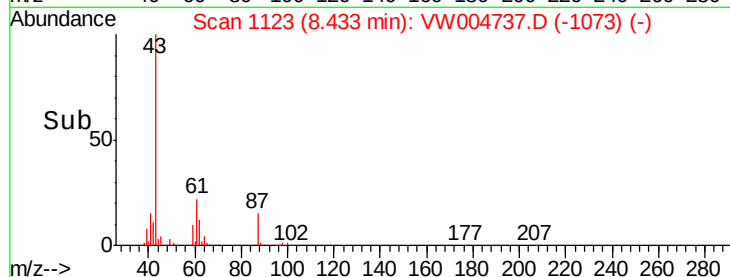
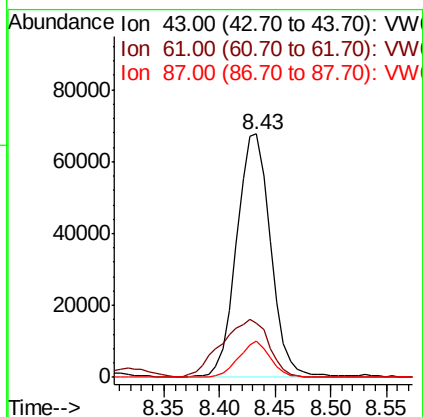
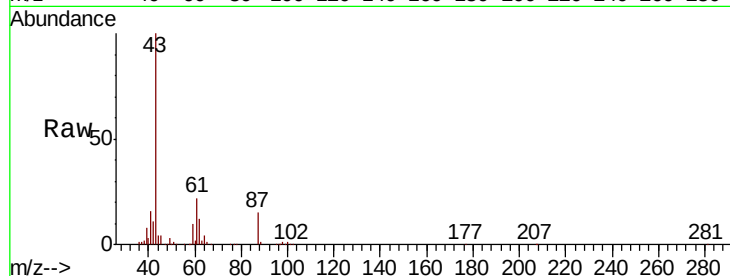
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	142597
Ion	Ratio	Lower	Upper
43	100		
61	33.7	26.2	39.4
87	13.9	10.9	16.3

Manual Integrations
APPROVED

apatel
8/20/2018 9:53:45 AM



#44

Trichloroethene

Concen: 20.20 ug/l

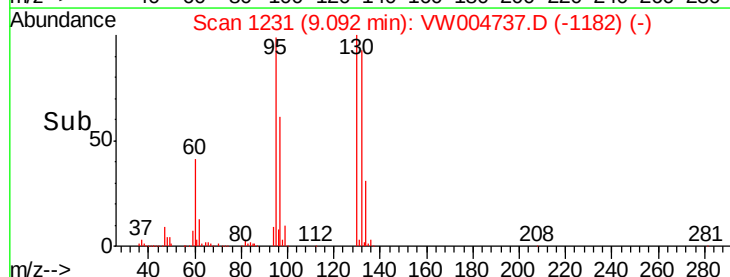
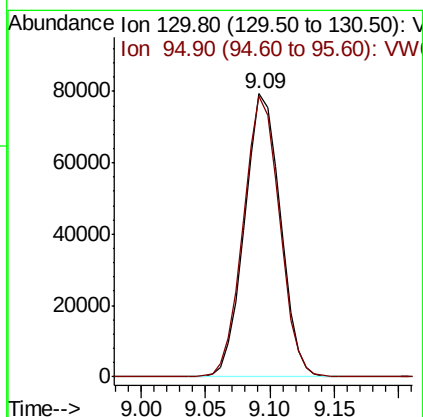
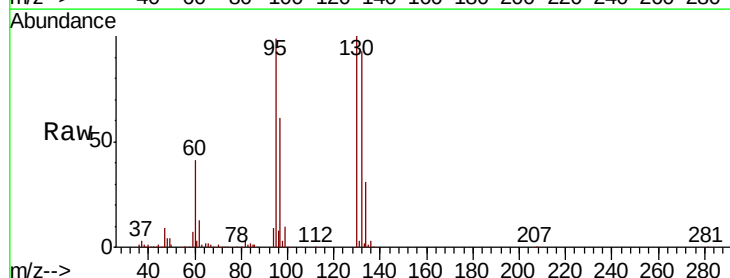
RT: 9.09 min Scan# 1231

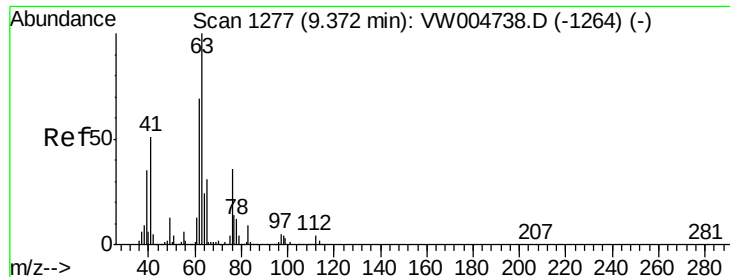
Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Tgt Ion:	130	Resp:	153073
Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	194.4





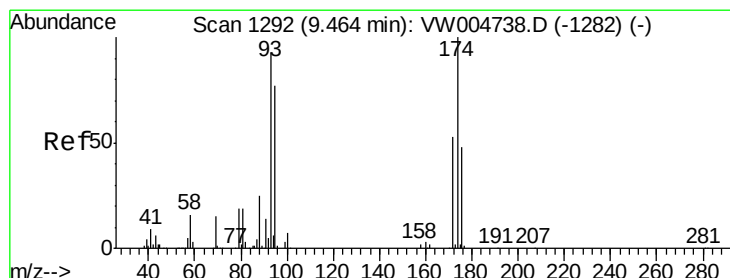
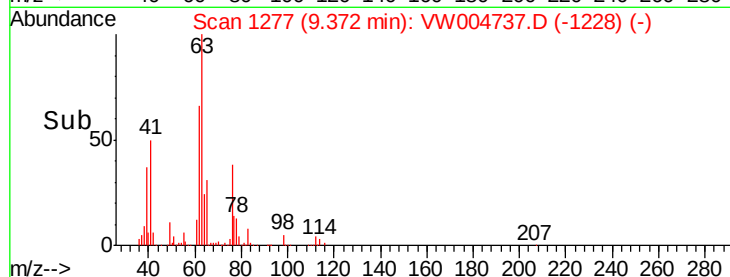
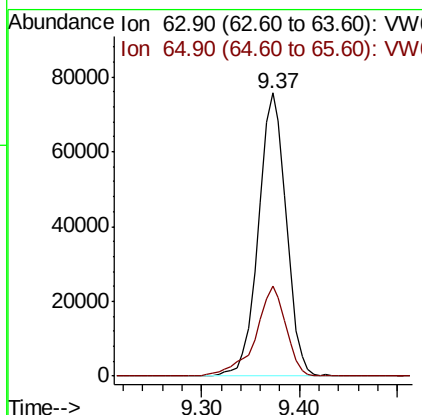
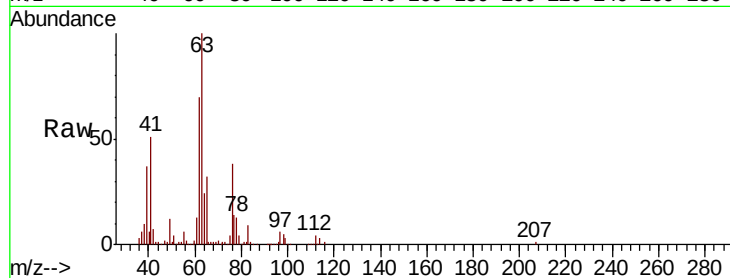
#45
 1,2-Dichloropropane
 Concen: 20.41 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.6	37.0

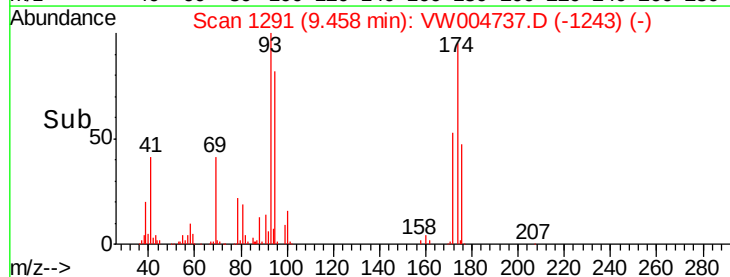
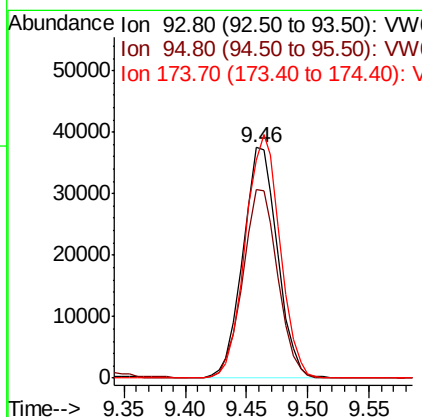
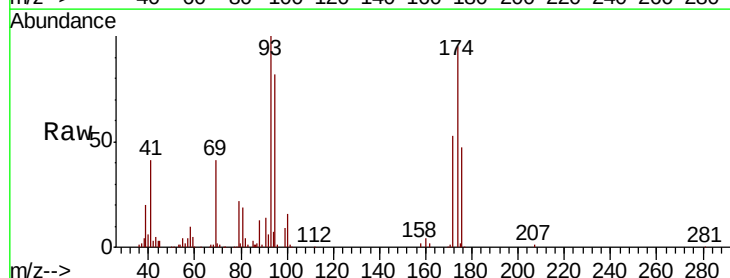
Manual Integrations
 APPROVED

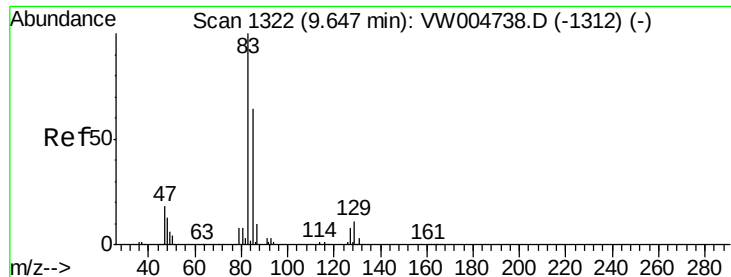
apatel
 8/20/2018 9:53:45 AM



#46
 Dibromomethane
 Concen: 20.41 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.6	99.8
174	106.0	85.3	127.9





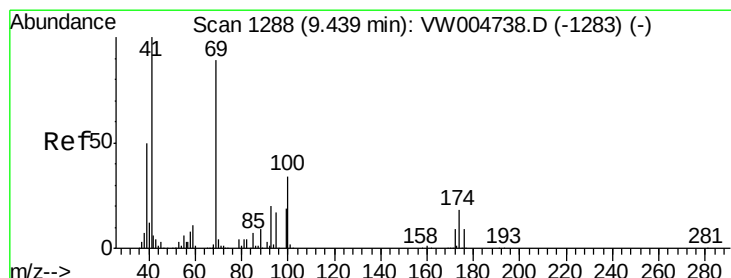
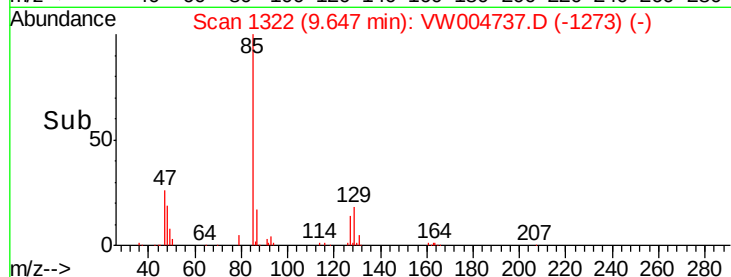
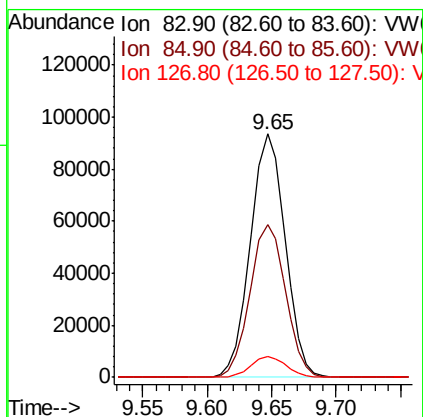
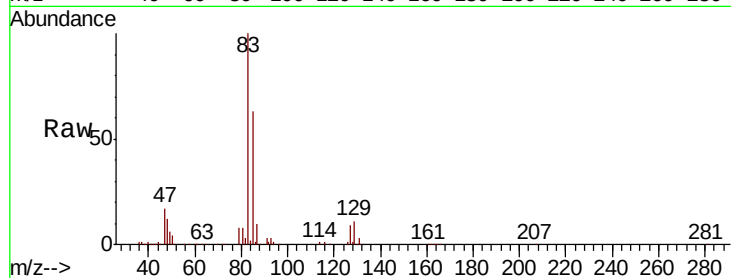
#47
Bromodichloromethane
Concen: 20.18 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.2	76.8
127	8.5	6.7	10.1

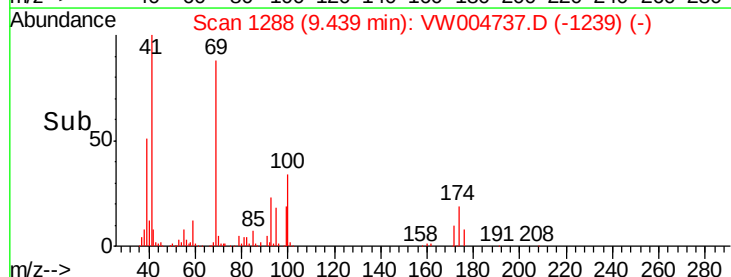
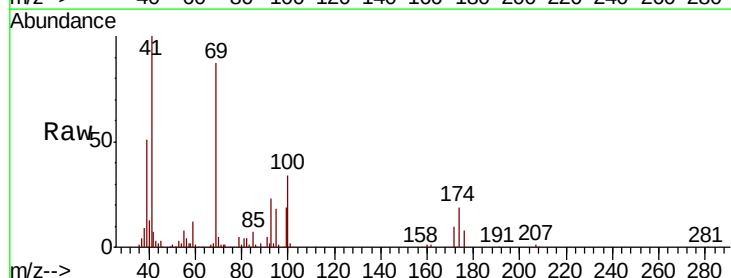
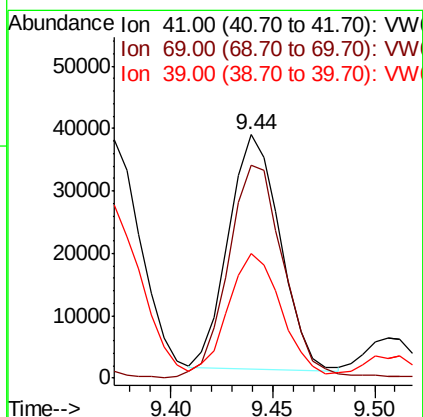
Manual Integrations
APPROVED

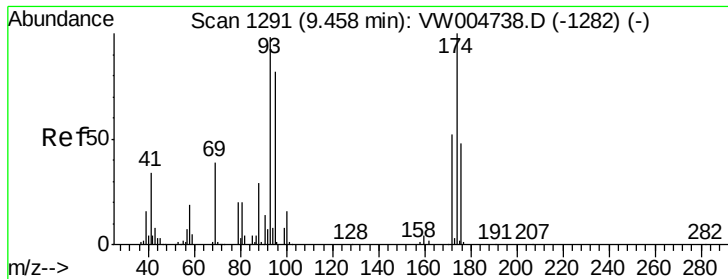
apatel
8/20/2018 9:53:45 AM



#48
Methyl methacrylate
Concen: 19.11 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Tgt Ion	Ratio	Lower	Upper
41	100		
69	96.5	75.2	112.8
39	50.8	39.8	59.6





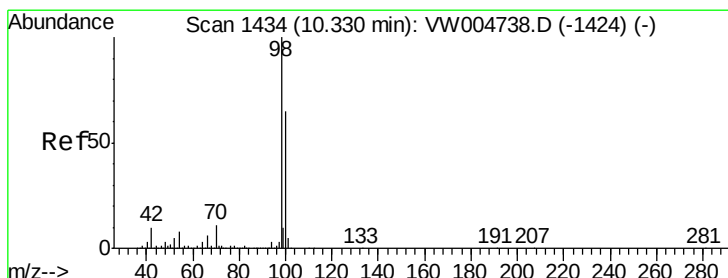
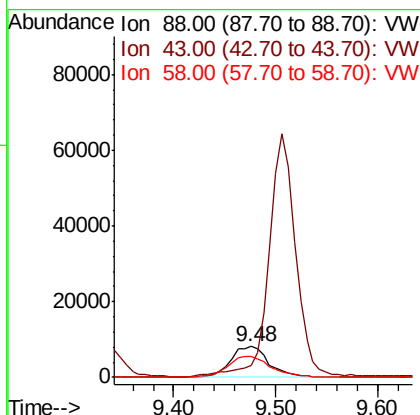
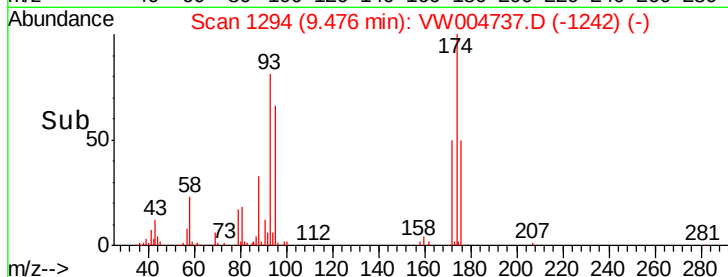
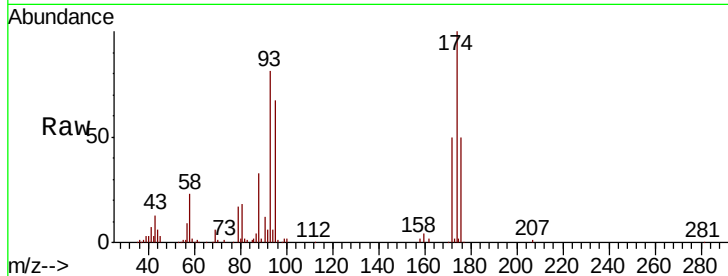
#49
 1,4-Dioxane
 Concen: 396.71 ug/l
 RT: 9.48 min Scan# 1294
 Delta R.T. 0.02 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	22.9	34.3#
58	77.9	60.0	90.0

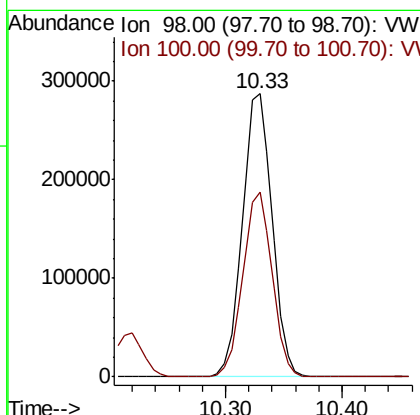
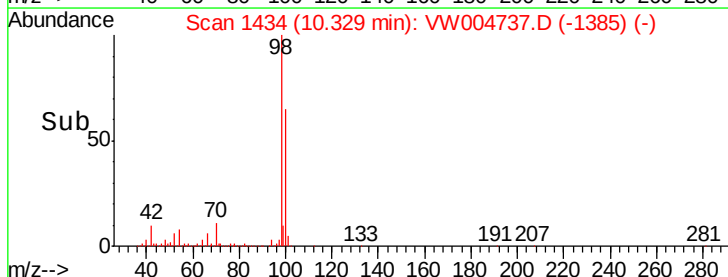
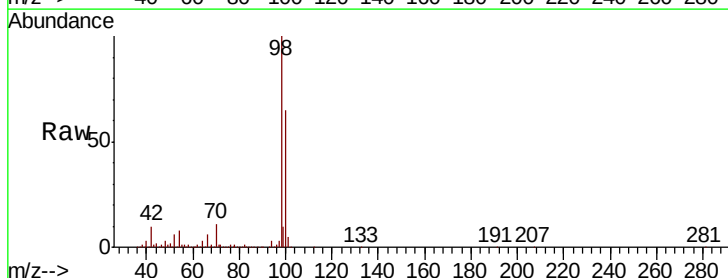
Manual Integrations
 APPROVED

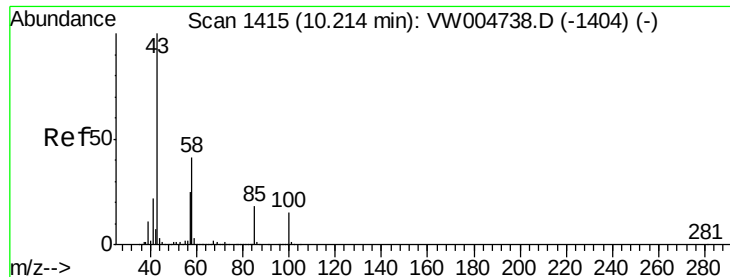
apatel
 8/20/2018 9:53:45 AM



#50
 Toluene-d8
 Concen: 20.64 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 99.45 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 494370

Ion Ratio Lower Upper

43 100

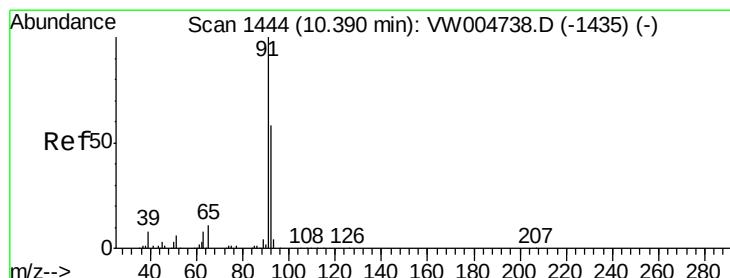
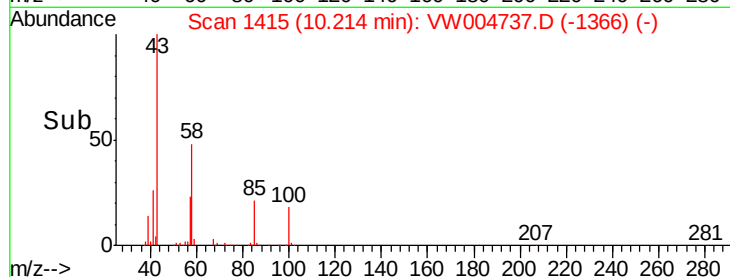
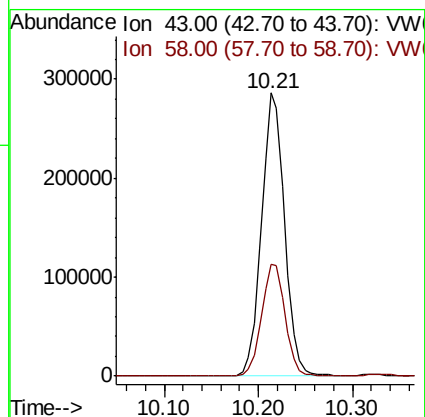
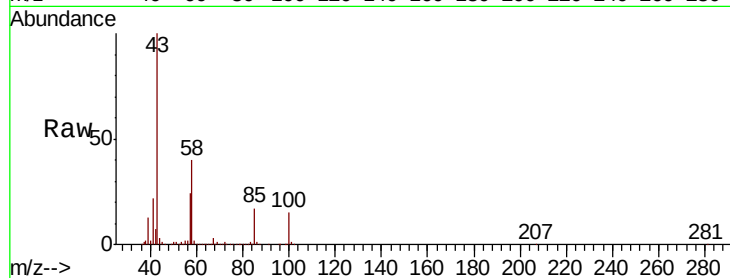
58 40.3 32.7 49.1

Manual Integrations

APPROVED

apatel

8/20/2018 9:53:45 AM



#52

Toluene

Concen: 20.72 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004737.D

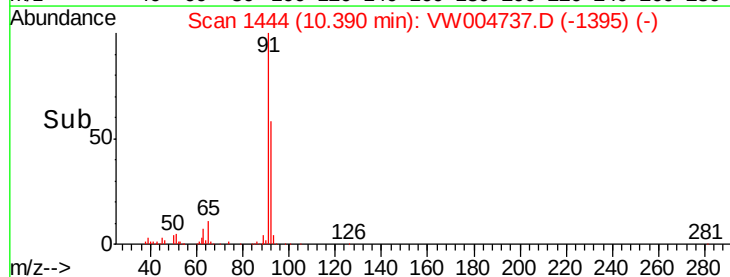
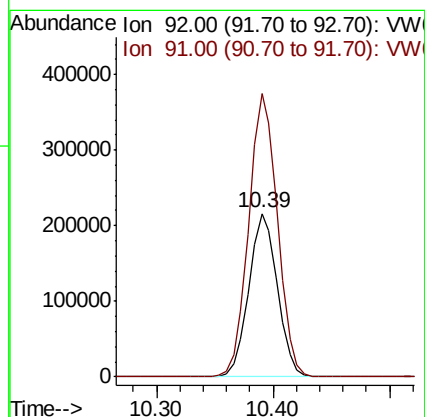
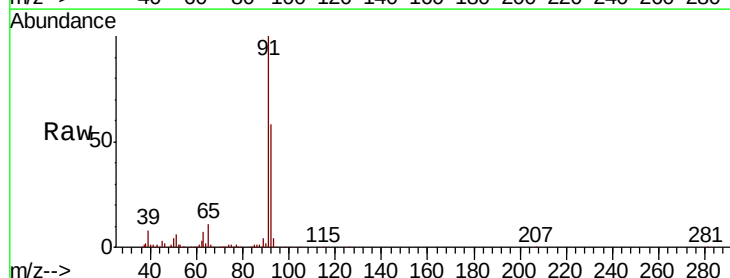
Acq: 17 Aug 2018 16:46

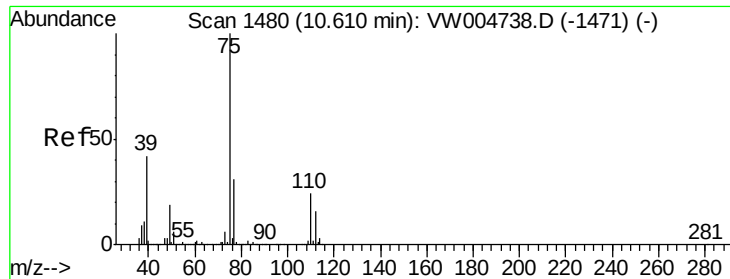
Tgt Ion: 92 Resp: 370944

Ion Ratio Lower Upper

92 100

91 174.3 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 20.13 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 75 Resp: 175234

Ion Ratio Lower Upper

75 100

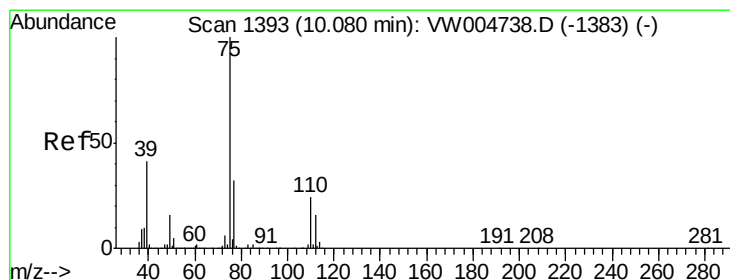
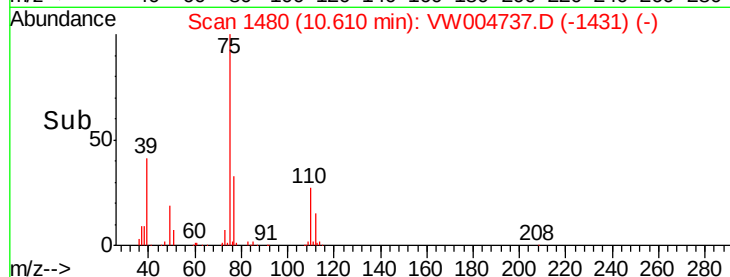
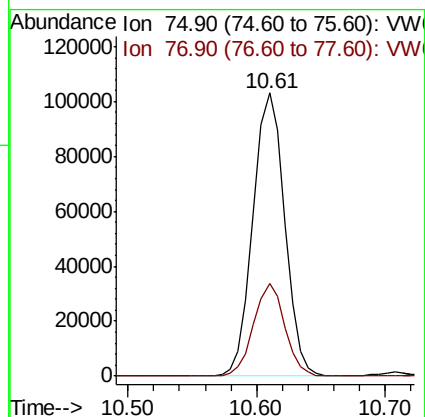
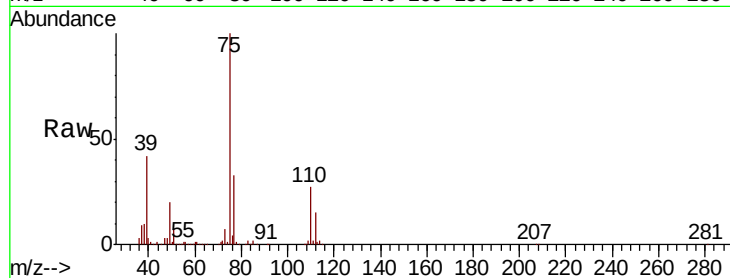
77 32.4 24.8 37.2

Manual Integrations

APPROVED

apatel

8/20/2018 9:53:45 AM



#54

cis-1,3-Dichloropropene

Concen: 20.09 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

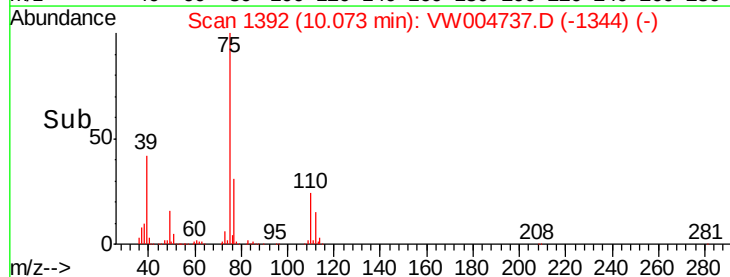
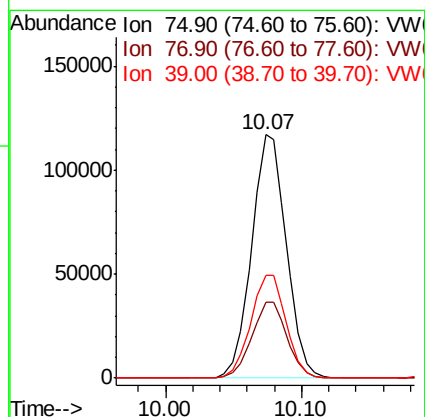
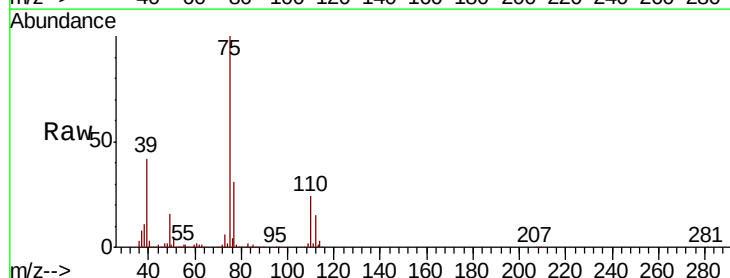
Tgt Ion: 75 Resp: 208515

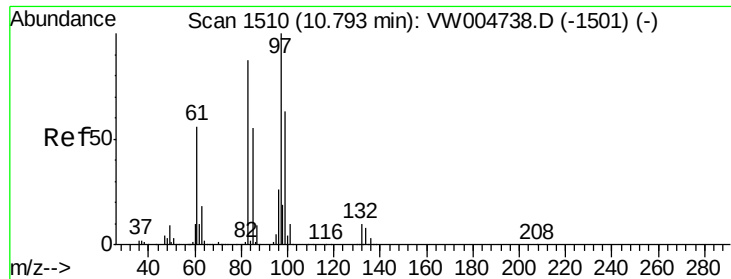
Ion Ratio Lower Upper

75 100

77 31.0 25.6 38.4

39 42.1 33.0 49.4





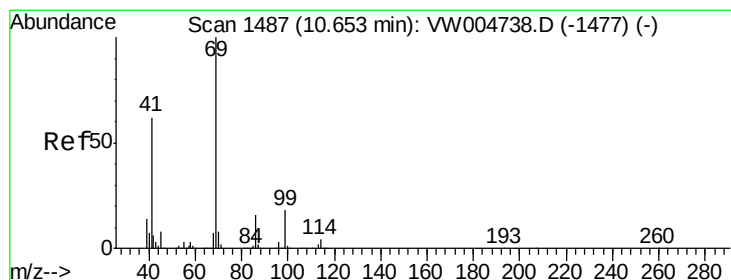
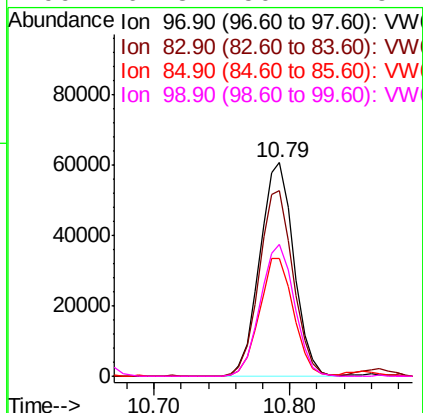
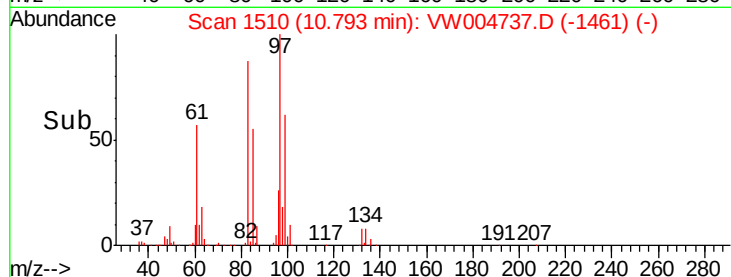
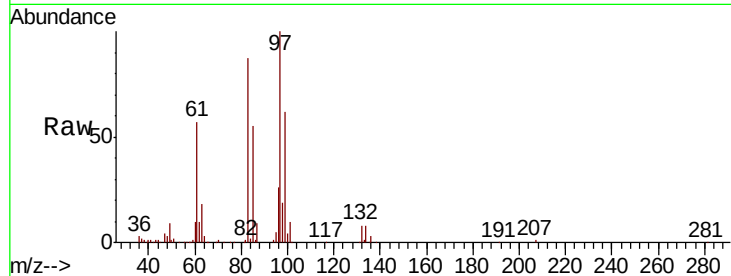
#55
 1,1,2-Trichloroethane
 Concen: 20.72 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.4	104.2
85	55.2	44.3	66.5
99	61.8	50.2	75.2

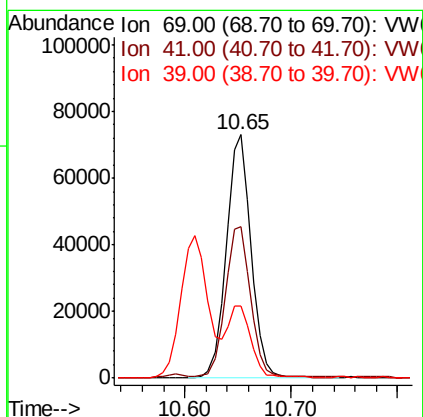
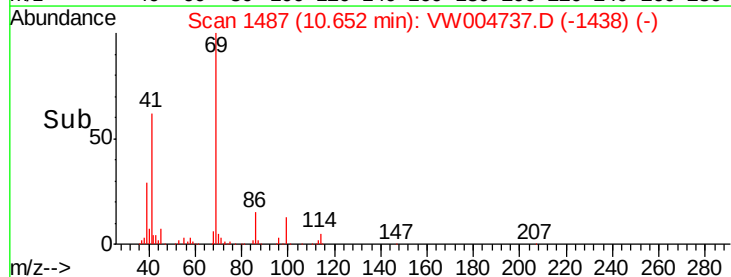
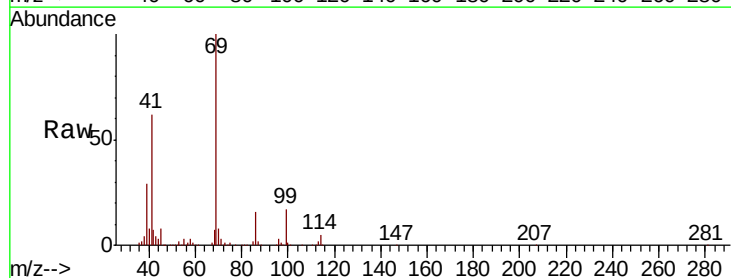
Manual Integrations
 APPROVED

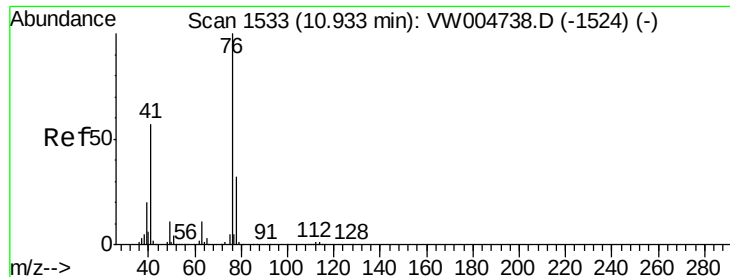
apatel
 8/20/2018 9:53:45 AM



#56
 Ethyl methacrylate
 Concen: 19.54 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.2	50.7	76.1
39	27.3	21.4	32.2





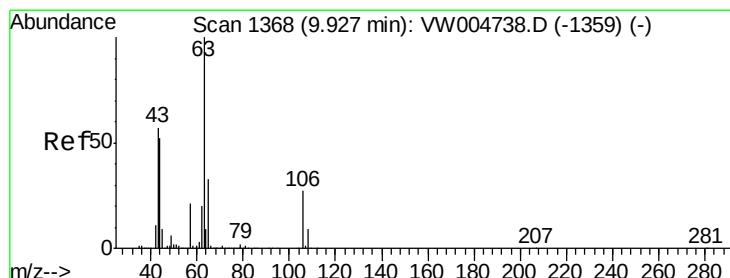
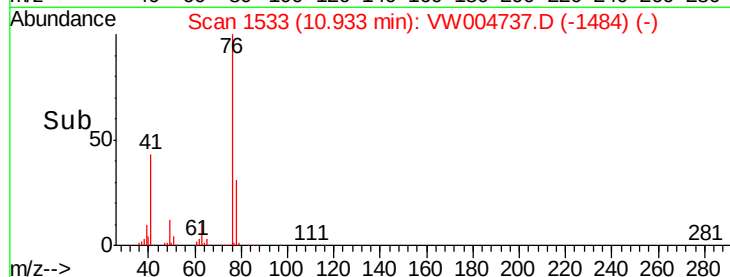
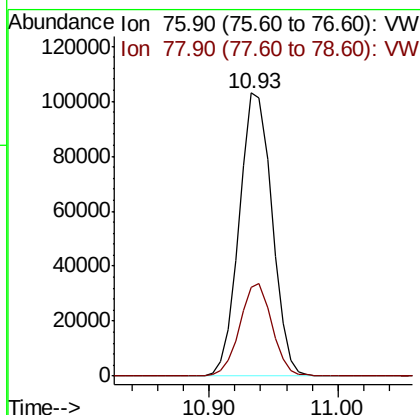
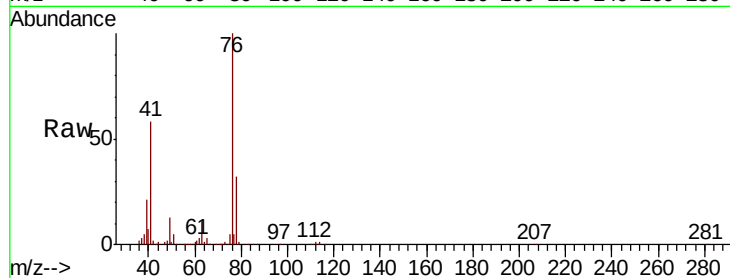
#57
 1,3-Dichloropropane
 Concen: 20.48 ug/l
 RT: 10.93 min Scan# 1533
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 181782
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.9 38.9

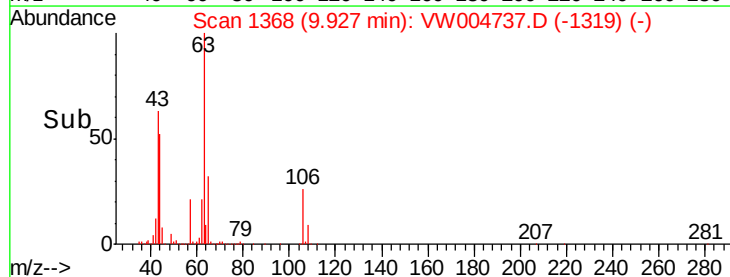
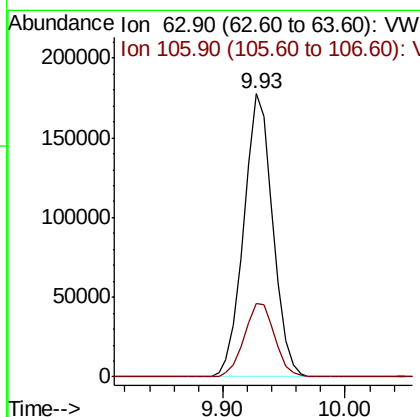
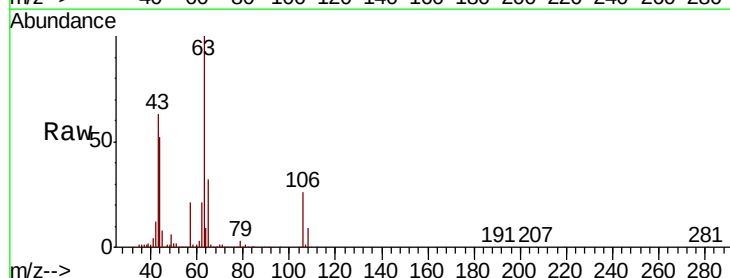
Manual Integrations
 APPROVED

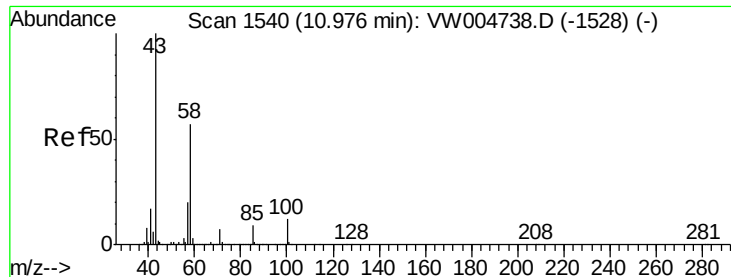
apatel
 8/20/2018 9:53:45 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.35 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Tgt Ion: 63 Resp: 293531
 Ion Ratio Lower Upper
 63 100
 106 27.3 22.1 33.1





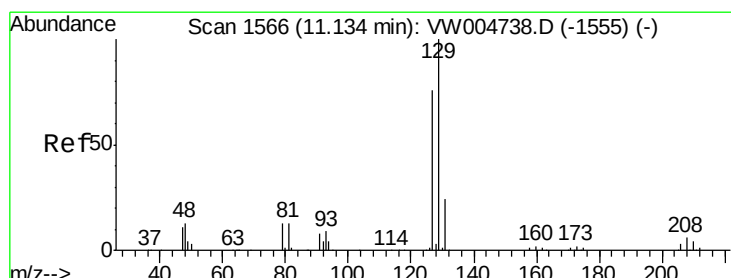
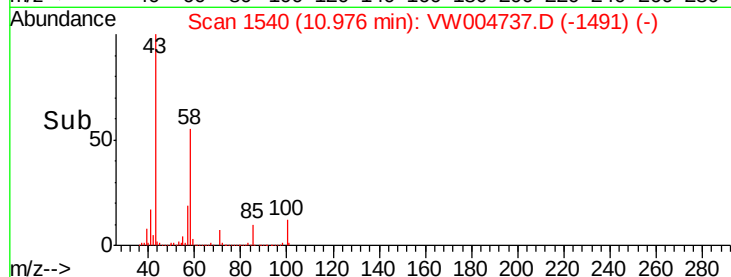
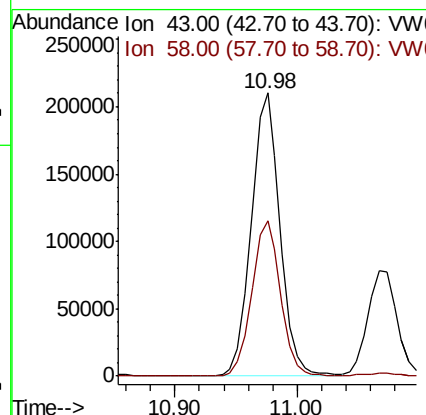
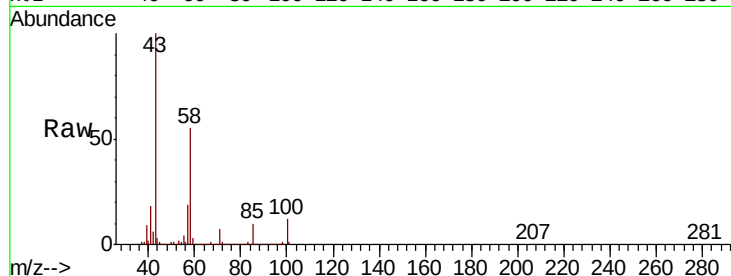
#59
2-Hexanone
Concen: 101.73 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.0	28.1	84.4

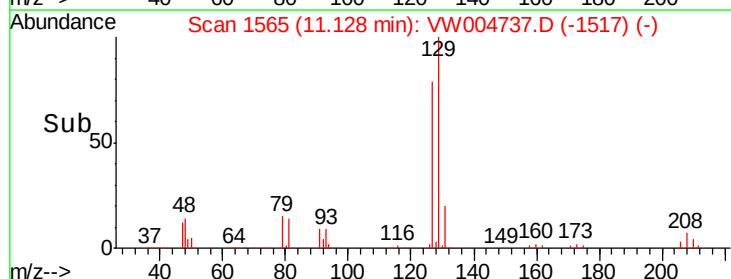
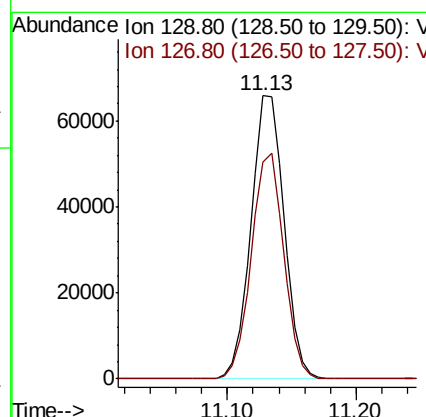
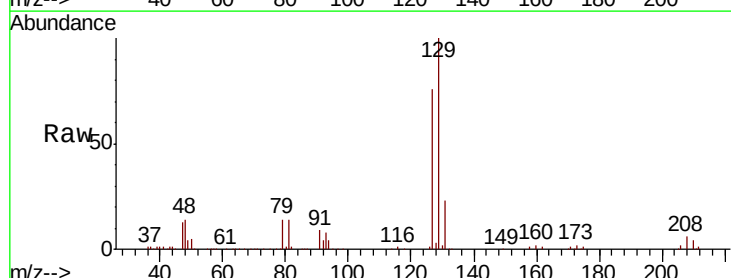
Manual Integrations
APPROVED

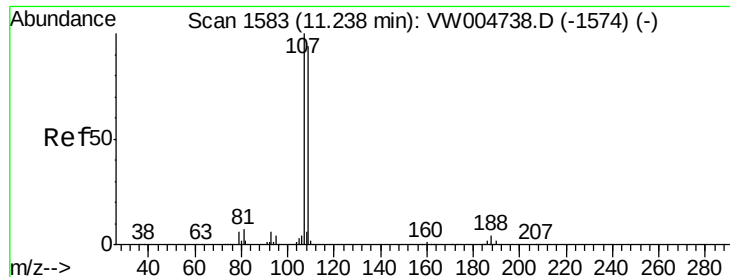
apatel
8/20/2018 9:53:45 AM



#60
Dibromochloromethane
Concen: 20.17 ug/l
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.5	115.5





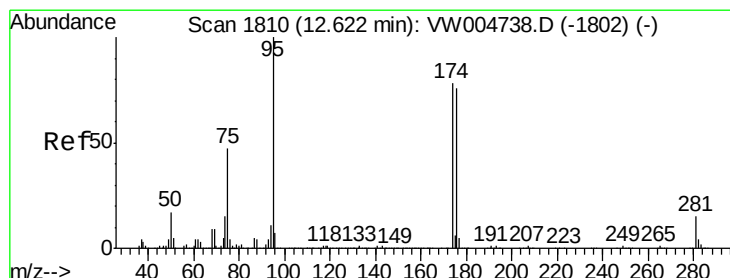
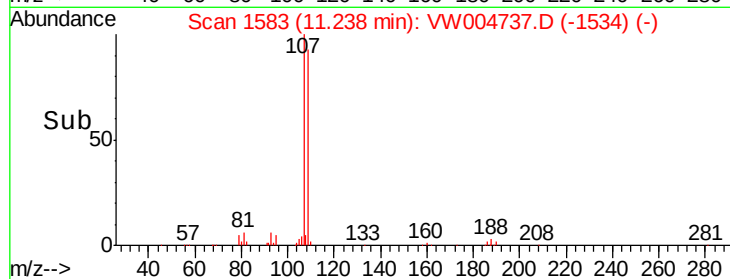
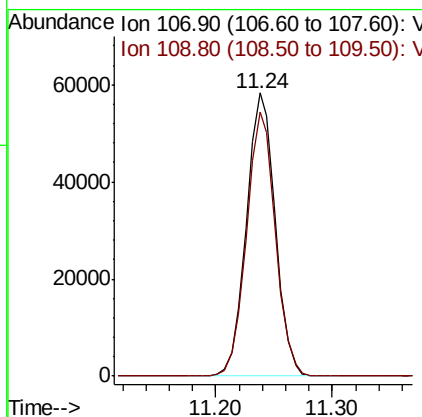
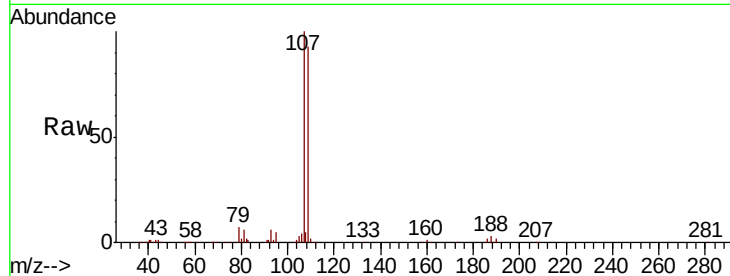
#61
 1,2-Dibromoethane
 Concen: 20.39 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
107	100	100245		
109	93.5	75.5	113.3	

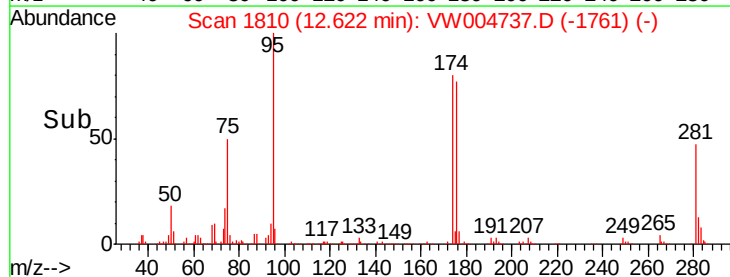
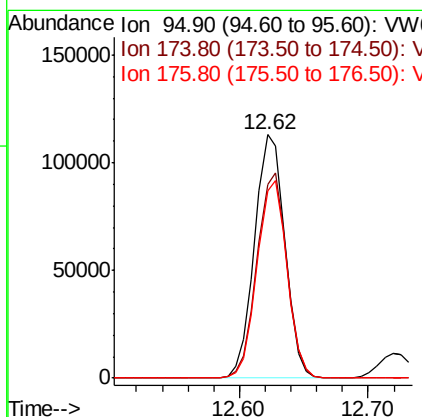
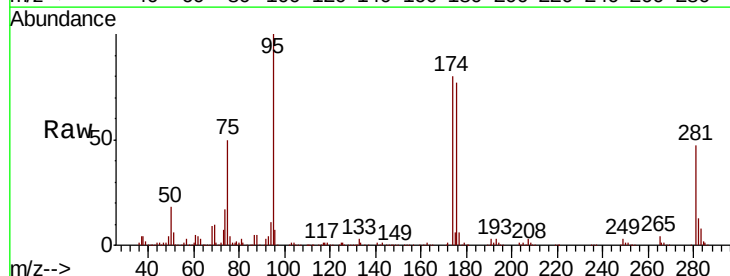
Manual Integrations
 APPROVED

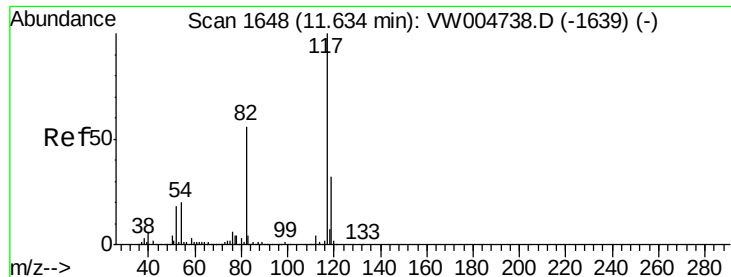
apatel
 8/20/2018 9:53:45 AM



#62
 4-Bromofluorobenzene
 Concen: 20.46 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	183096		
174	83.4	0.0	165.8	
176	80.3	0.0	159.8	





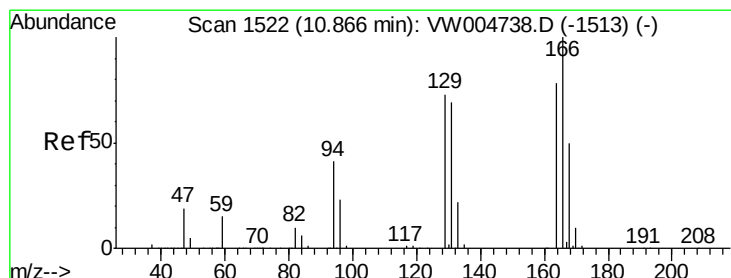
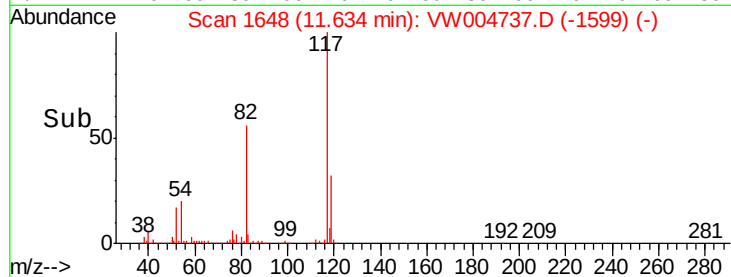
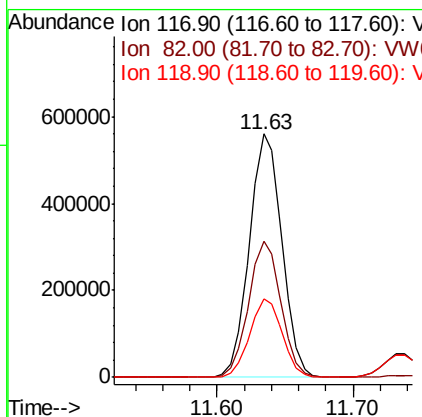
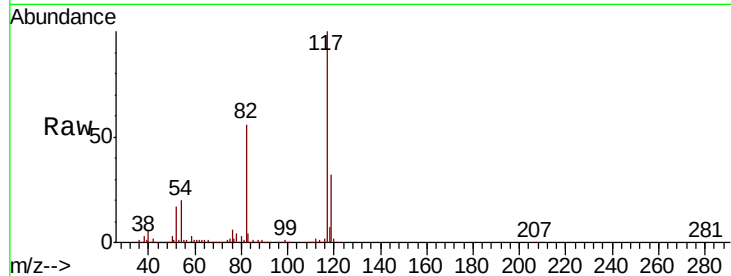
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	940745		
82	55.8		44.6	67.0
119	32.0		25.6	38.4

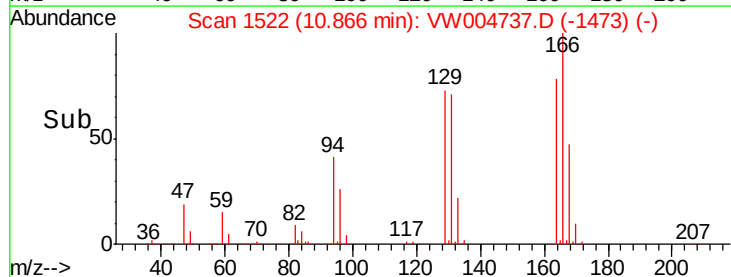
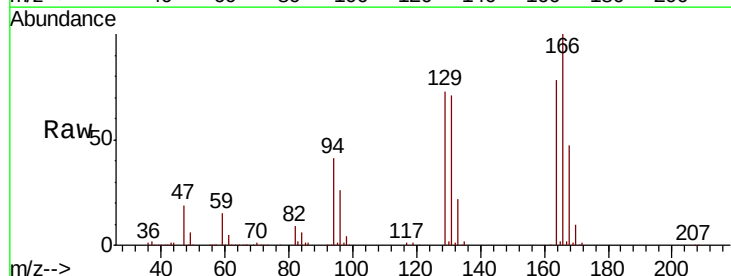
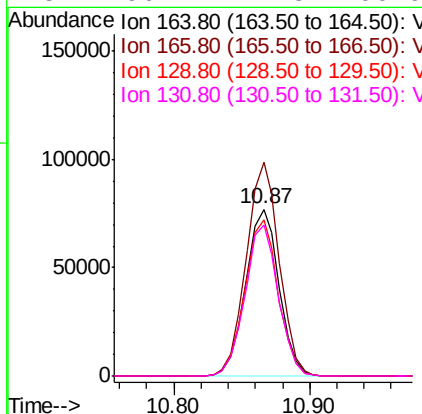
Manual Integrations
APPROVED

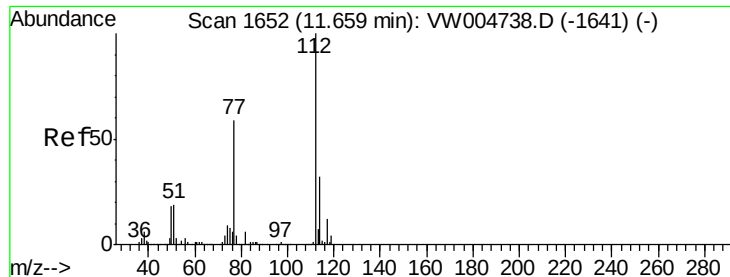
apatel
8/20/2018 9:53:45 AM



#64
Tetrachloroethene
Concen: 20.58 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	132329		
166	128.1		102.5	153.7
129	93.5		75.1	112.7
131	90.7		71.3	106.9





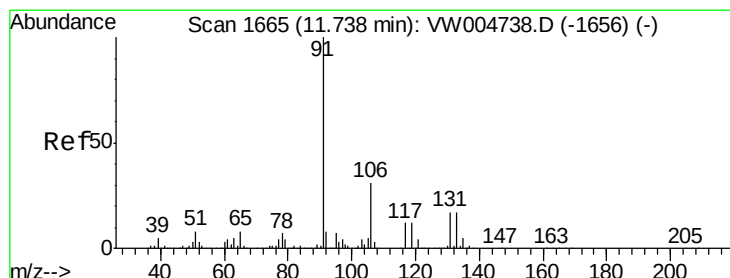
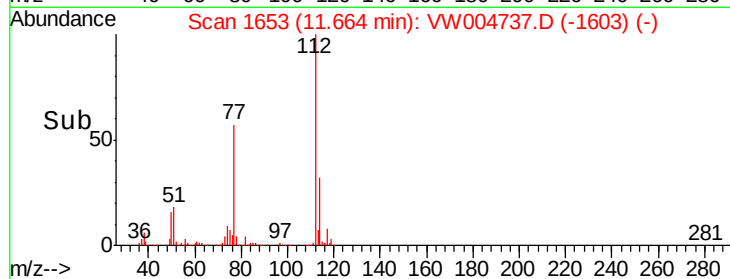
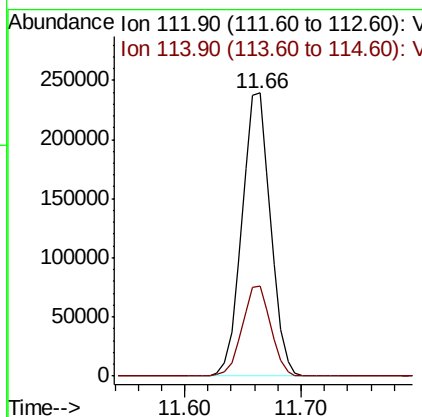
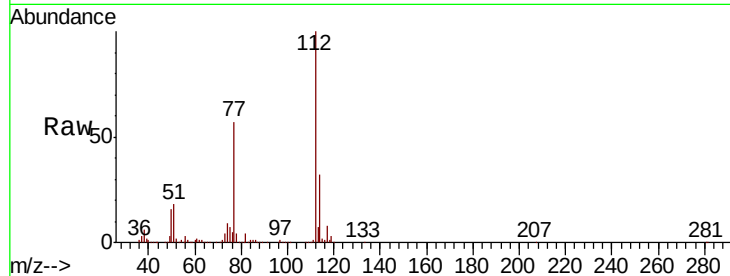
#65
Chlorobenzene
Concen: 20.29 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.01 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.4	38.2

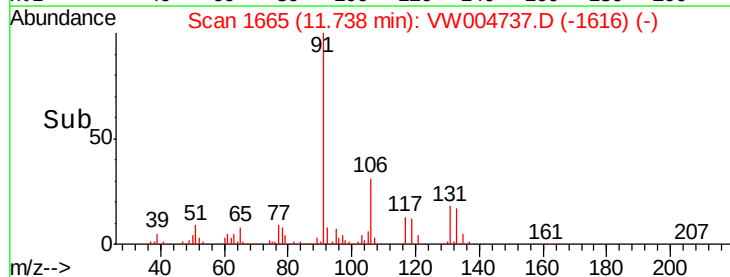
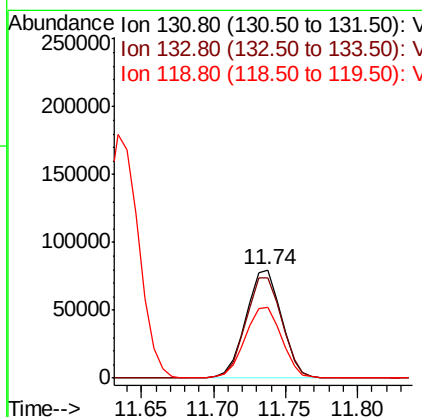
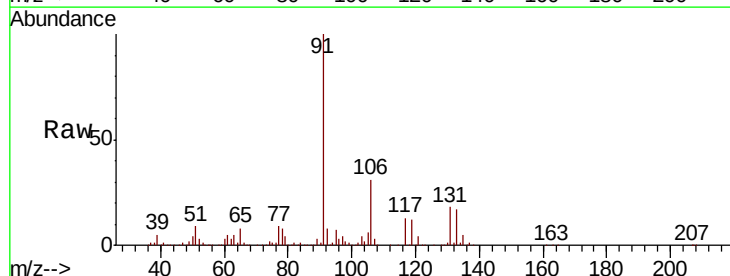
Manual Integrations
APPROVED

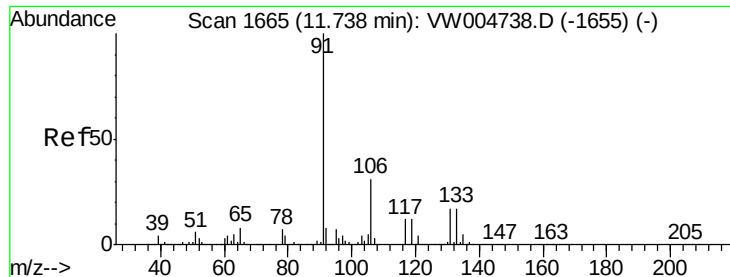
apatel
8/20/2018 9:53:45 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.90 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	48.2	144.6
119	67.6	34.0	102.0





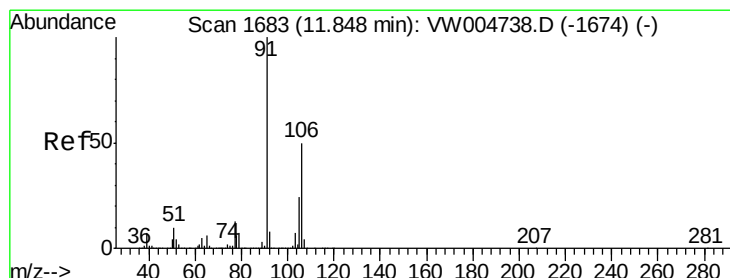
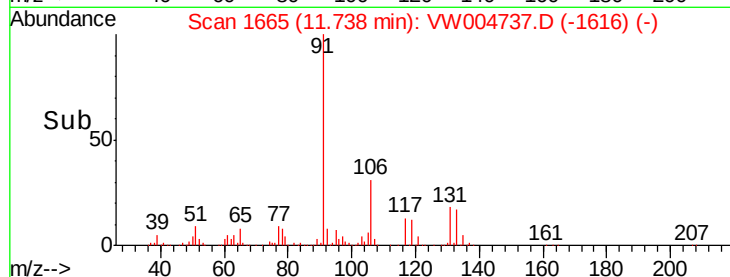
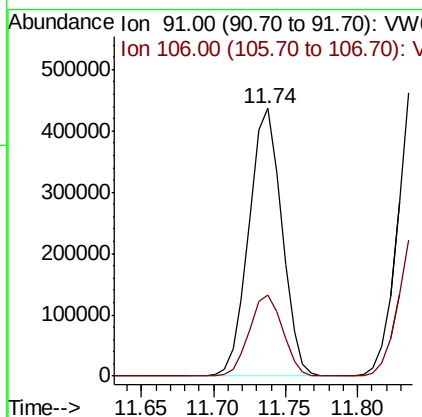
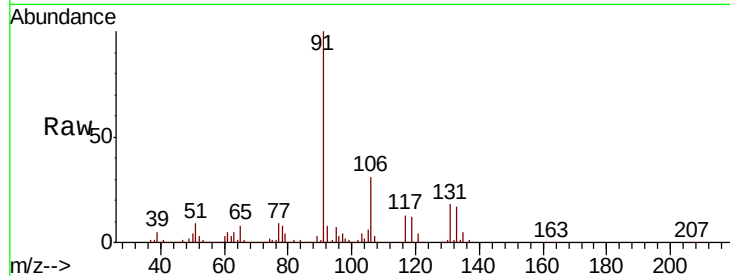
#67
Ethyl Benzene
Concen: 20.16 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.9	37.3

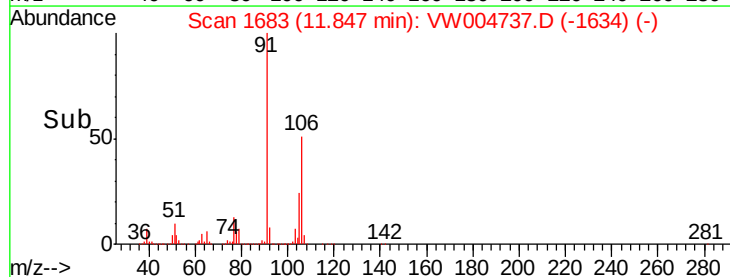
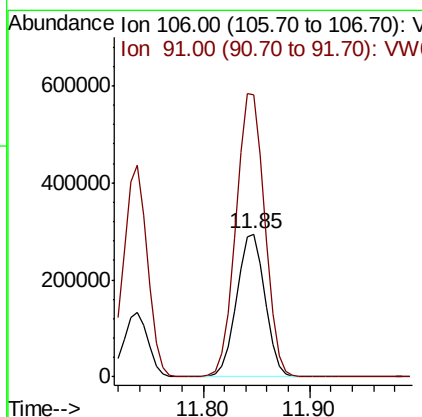
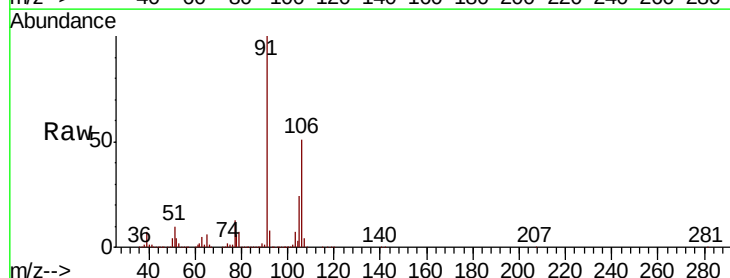
Manual Integrations
APPROVED

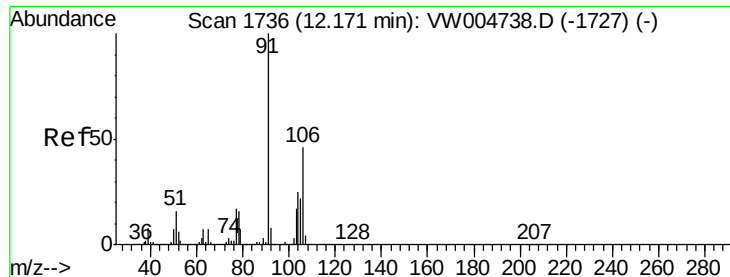
apatel
8/20/2018 9:53:45 AM



#68
m/p-Xylenes
Concen: 41.36 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.8	159.9	239.9





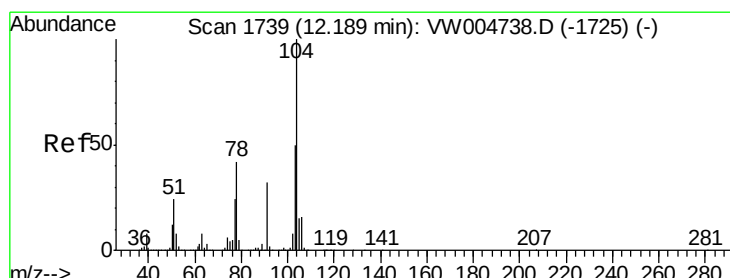
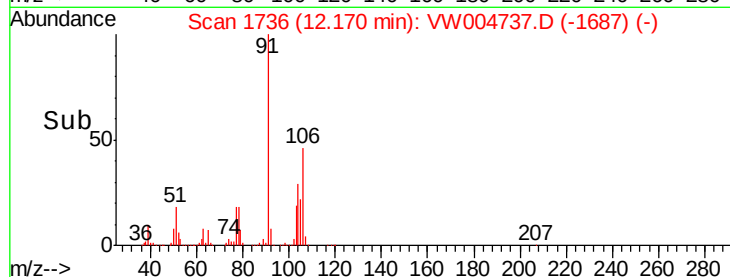
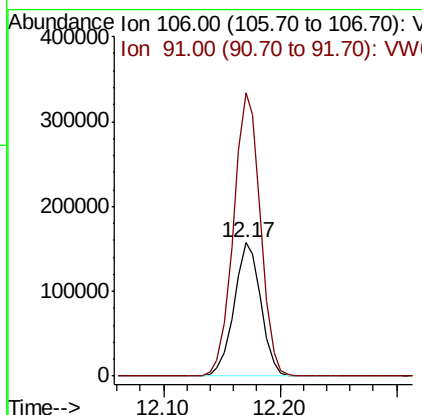
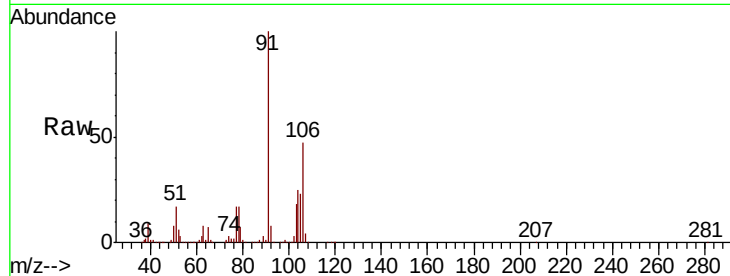
#69
o-Xylene
Concen: 20.27 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.2	107.3	321.8

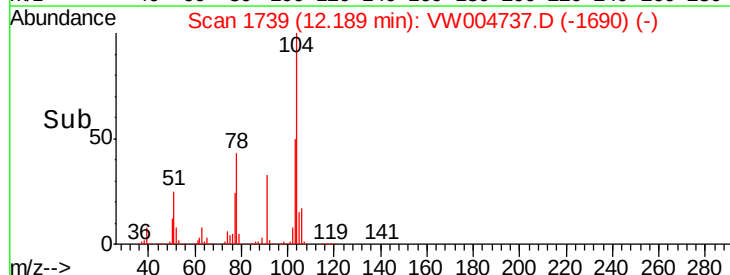
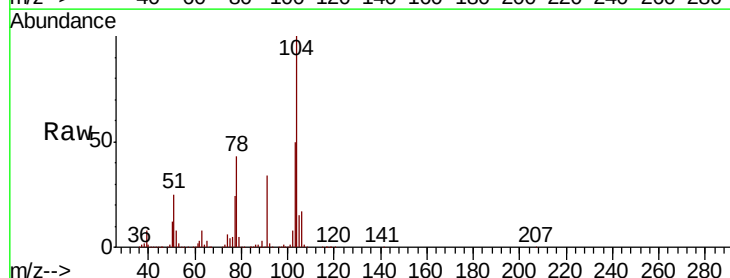
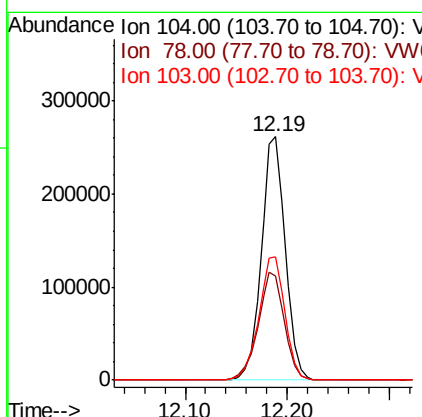
Manual Integrations
APPROVED

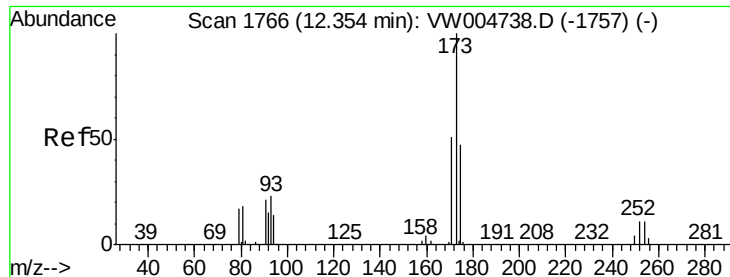
apatel
8/20/2018 9:53:45 AM



#70
Styrene
Concen: 20.55 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.4	38.4	57.6
103	55.2	44.1	66.1





#71

Bromoform

Concen: 19.48 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

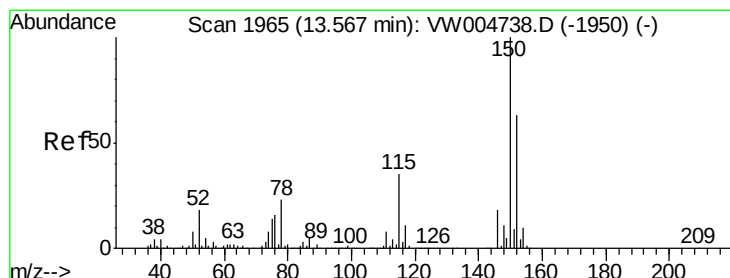
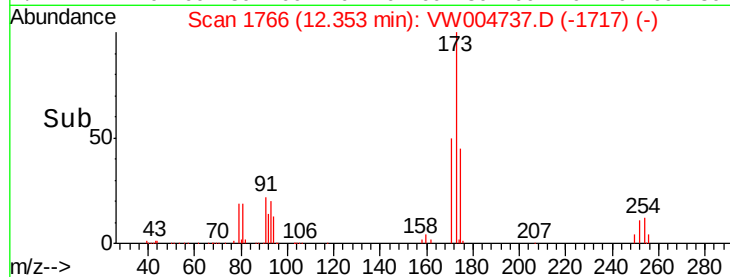
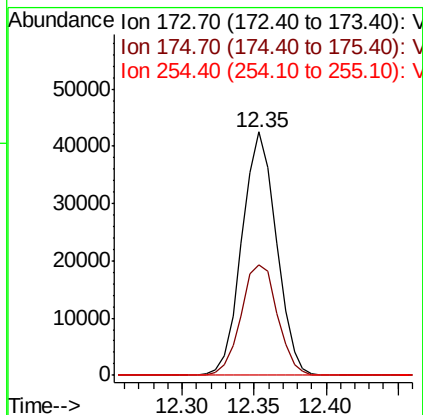
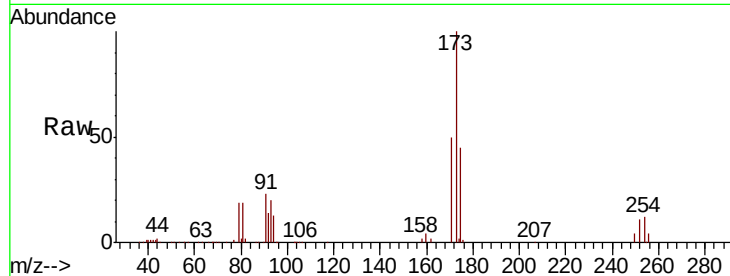
ClientSampled :

VSTDIC020

Tot Ion:	173	Resp:	70295
Ion Ratio	Lower	Upper	
173	100		
175	47.8	23.8	71.4
254	0.1	0.1	0.1

Manual Integrations
APPROVED

apatel
8/20/2018 9:53:45 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

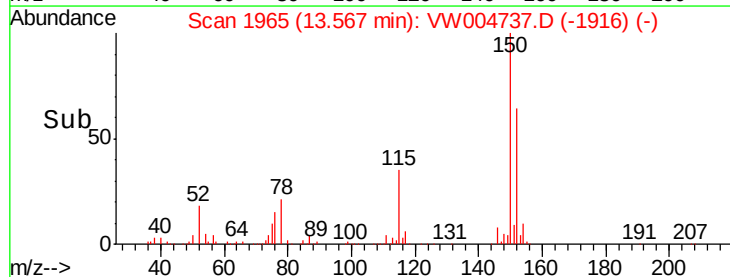
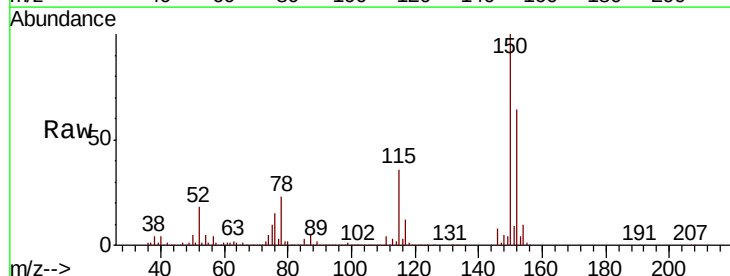
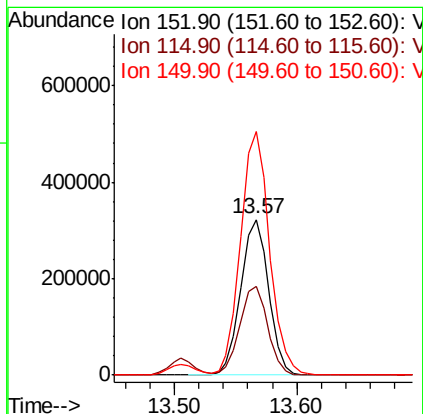
RT: 13.57 min Scan# 1965

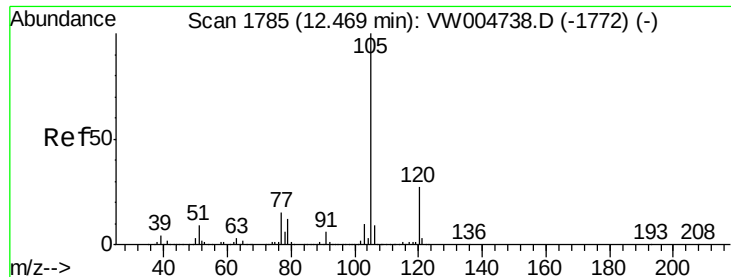
Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Tgt Ion:	152	Resp:	508905
Ion Ratio	Lower	Upper	
152	100		
115	57.4	28.5	85.5
150	163.0	0.0	344.8





#73

Isopropylbenzene

Concen: 20.14 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 105 Resp: 697269

Ion Ratio Lower Upper

105 100

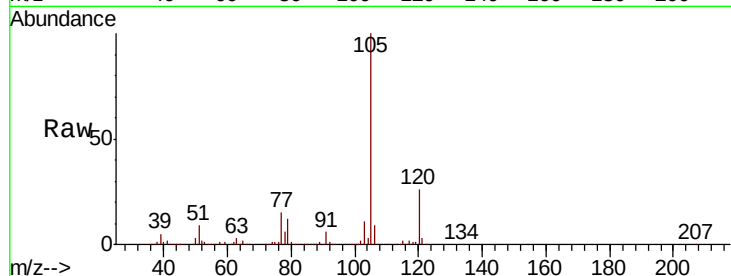
120 26.4 13.3 39.9

Manual Integrations

APPROVED

apatel

8/20/2018 9:53:45 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

500000

400000

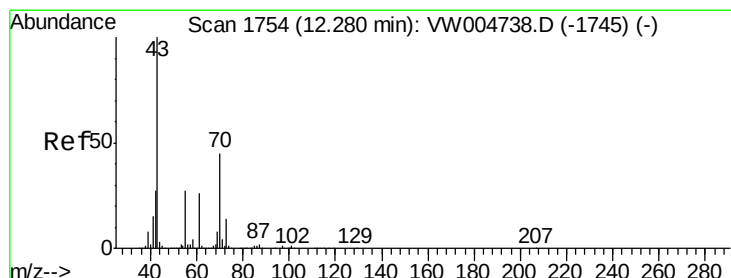
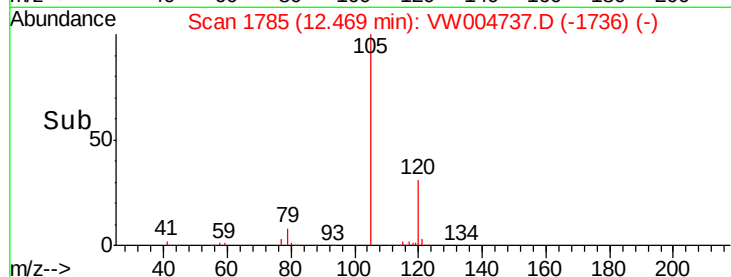
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.26 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Tgt Ion: 43 Resp: 139815

Ion Ratio Lower Upper

43 100

70 44.2 36.3 54.5

55 30.3 22.6 33.8

61 23.9 20.2 30.4

Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

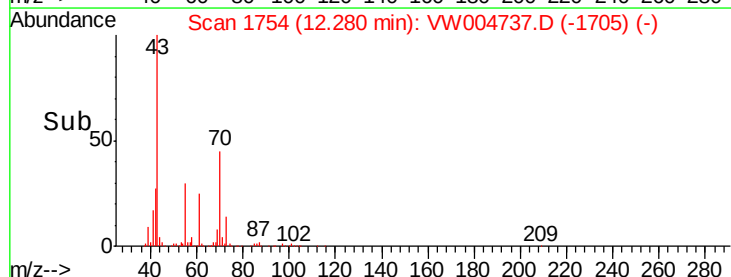
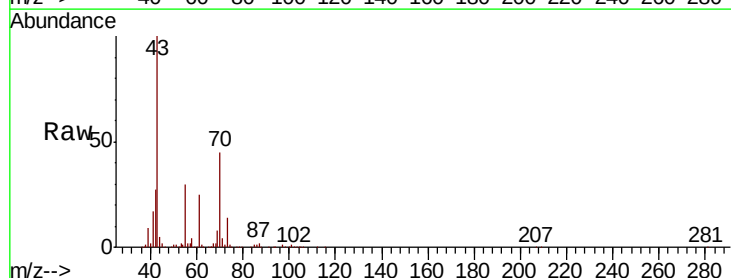
12.28

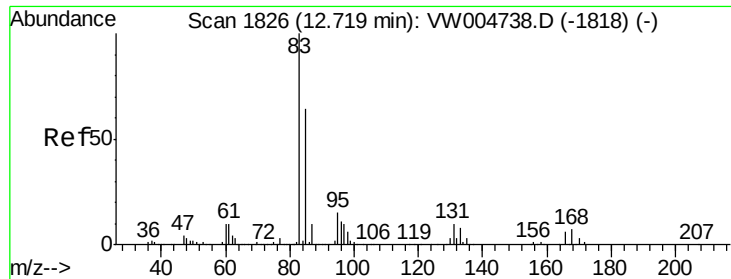
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.79 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

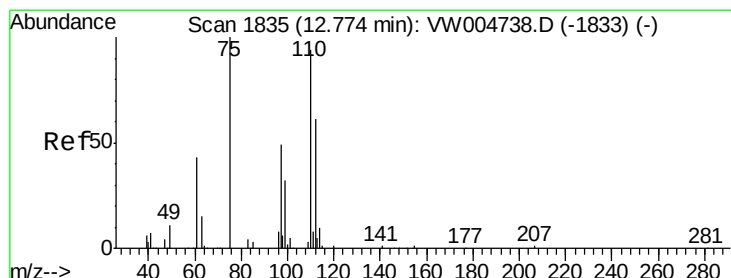
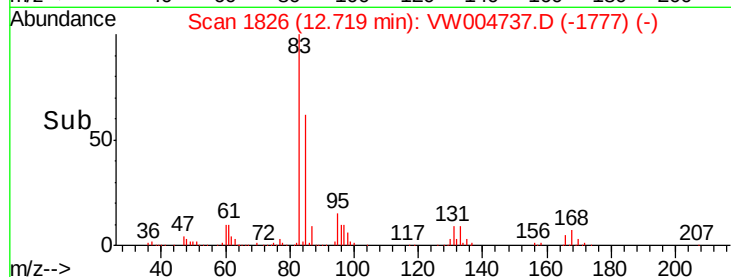
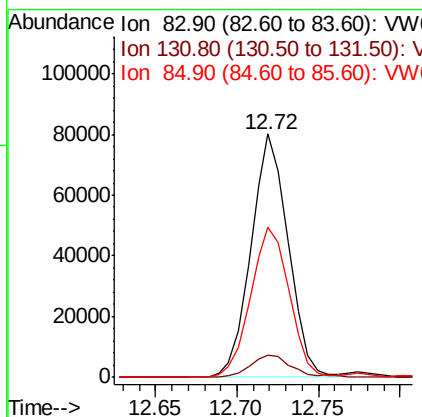
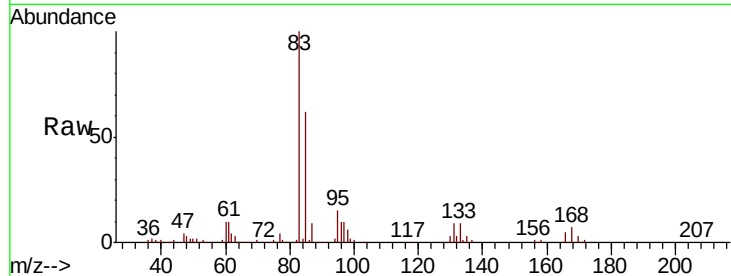
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	126954
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.8
85	64.2	31.9	95.9

Manual Integrations
APPROVED

apatel
8/20/2018 9:53:45 AM



#76

1,2,3-Trichloropropane

Concen: 13.30 ug/l m

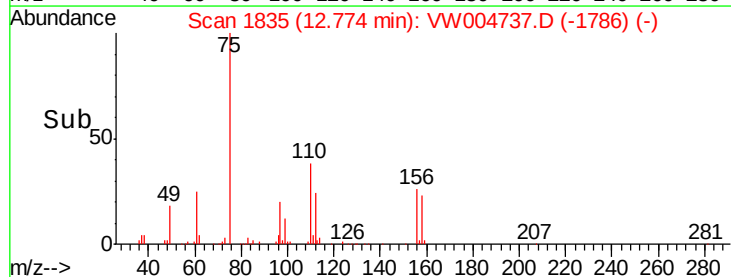
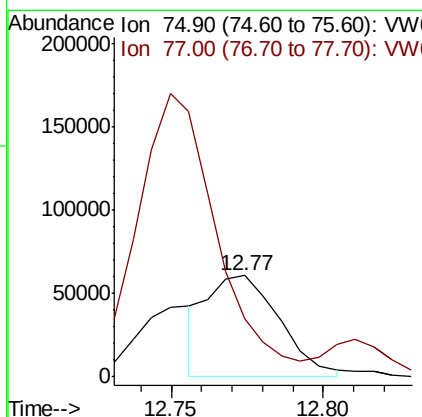
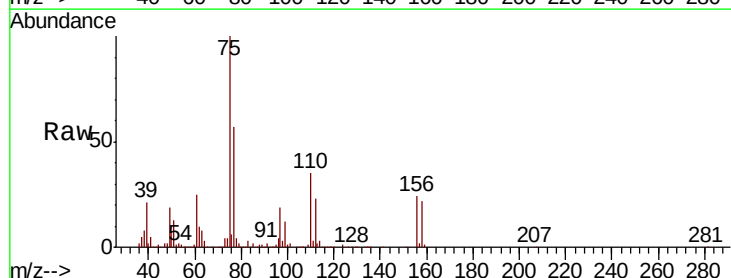
RT: 12.77 min Scan# 1835

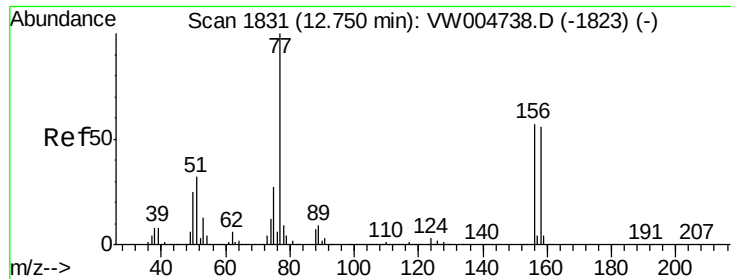
Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Tgt Ion:	75	Resp:	100246
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.02 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

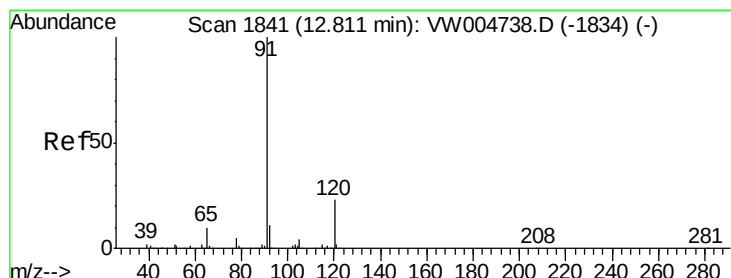
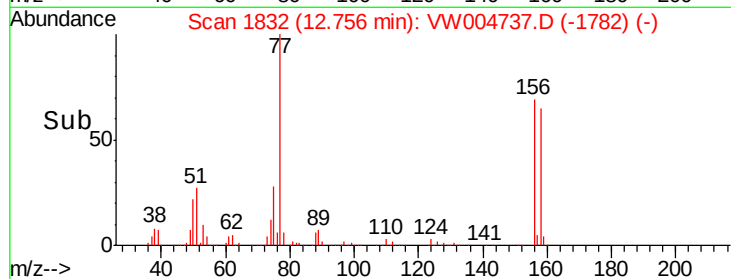
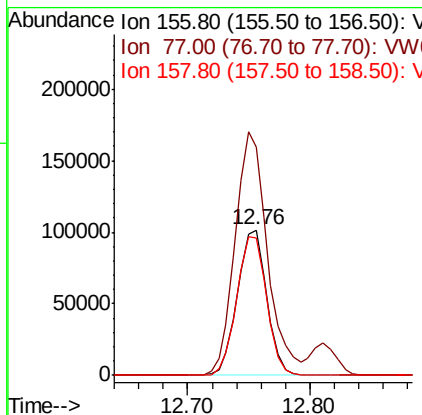
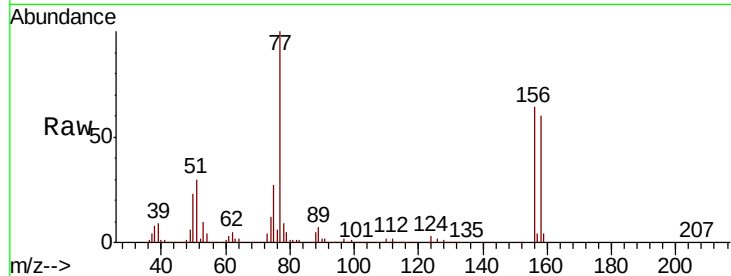
ClientSampled :

VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		167776		
77	185.2	94.2	282.4		
158	97.2	48.6	145.9		

Manual Integrations
APPROVED

apatel
8/20/2018 9:53:45 AM



#78

n-propylbenzene

Concen: 20.54 ug/l

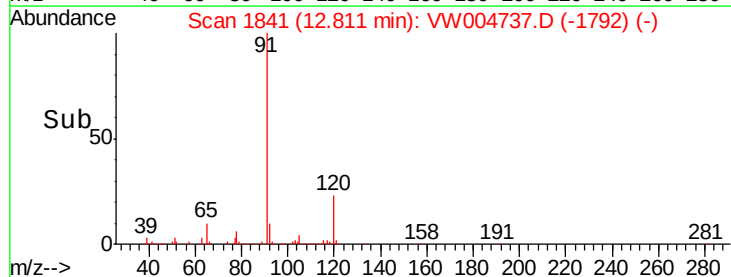
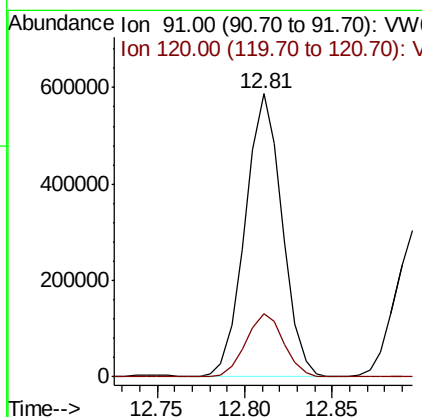
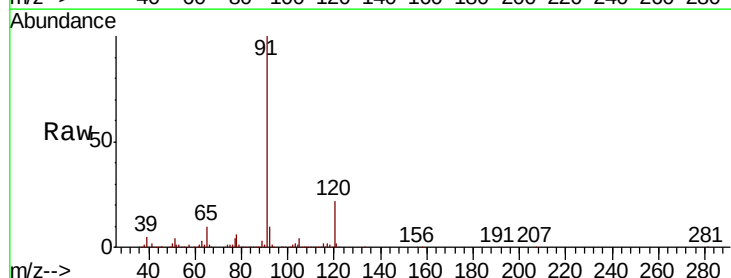
RT: 12.81 min Scan# 1841

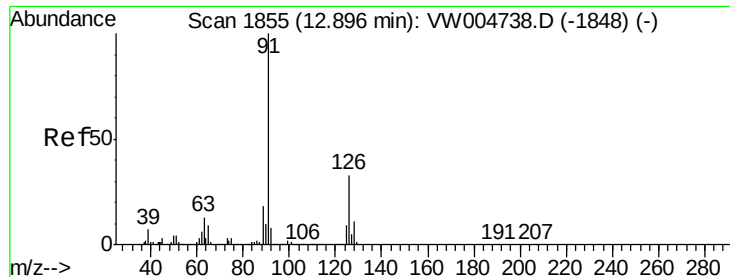
Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		867951		
120	22.9	11.4	34.2		





#79

2-Chlorotoluene

Concen: 20.20 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 491902

Ion Ratio Lower Upper

91 100

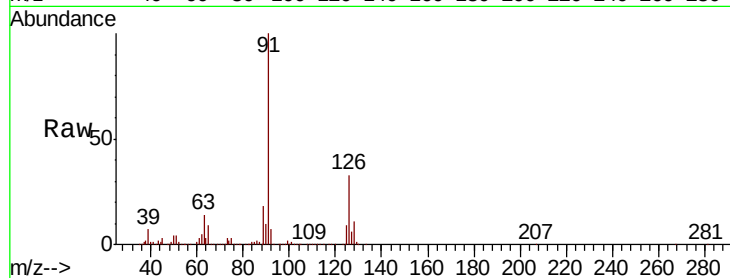
126 34.2 17.0 51.0

Manual Integrations

APPROVED

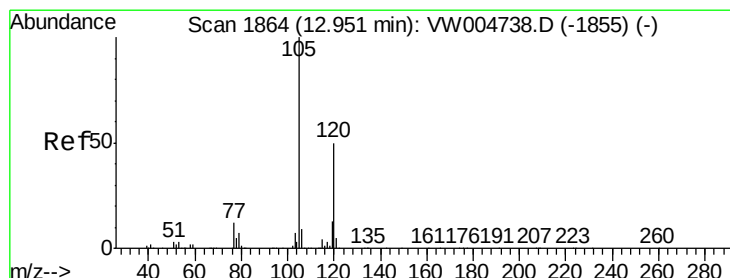
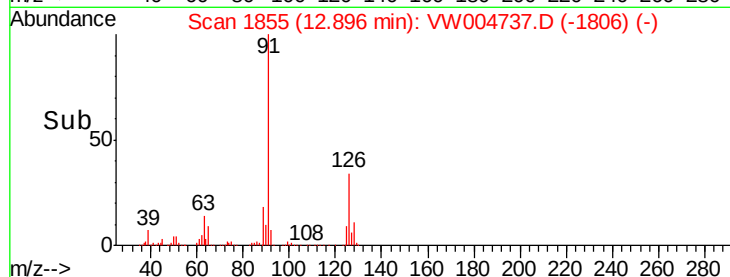
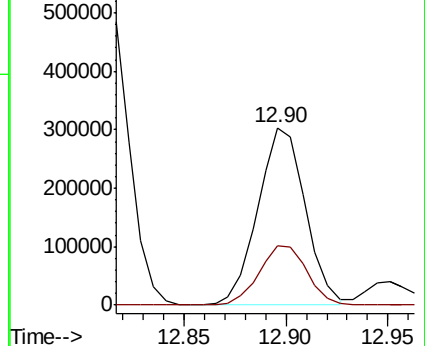
apatel

8/20/2018 9:53:45 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.66 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW004737.D

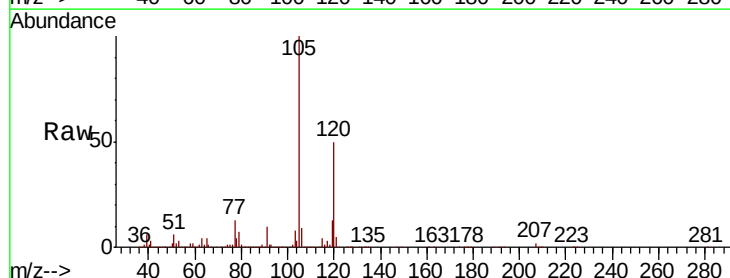
Acq: 17 Aug 2018 16:46

Tgt Ion: 105 Resp: 607704

Ion Ratio Lower Upper

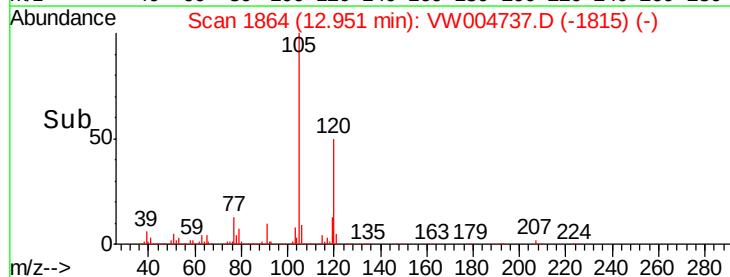
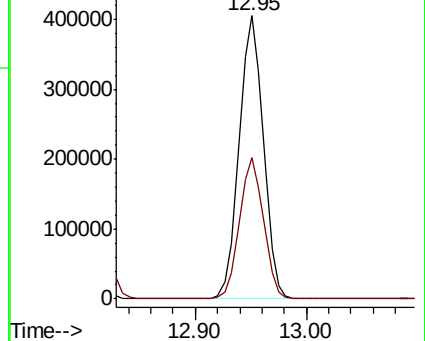
105 100

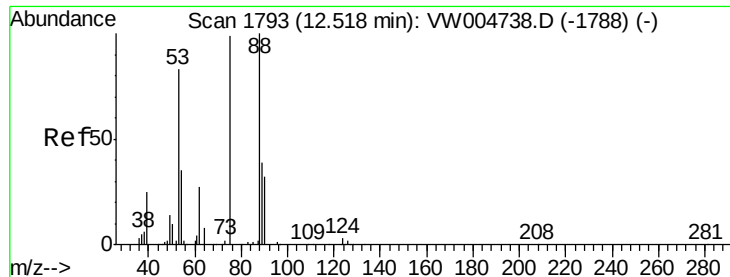
120 49.4 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.26 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 37174

Ion Ratio Lower Upper

75 100

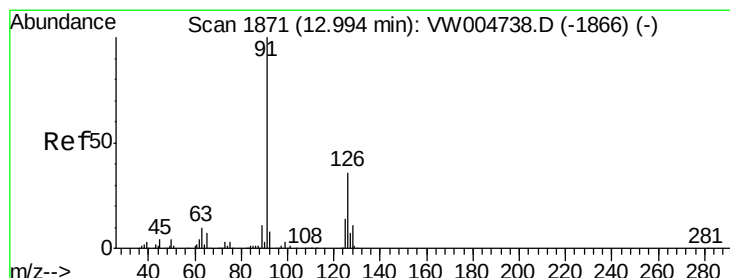
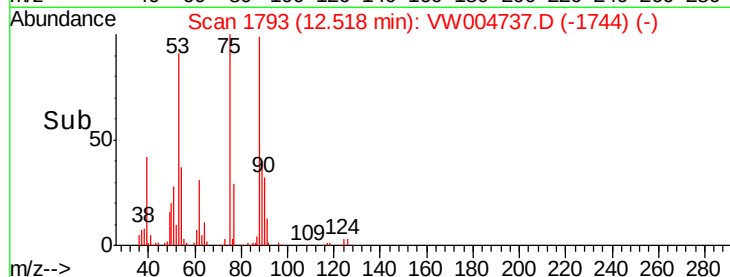
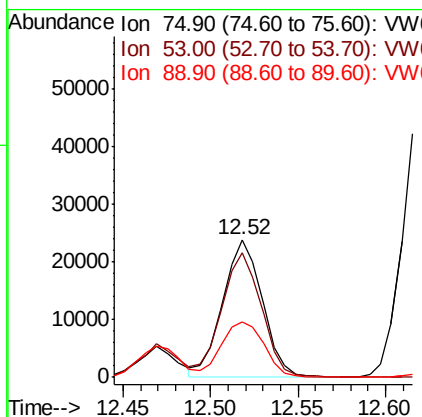
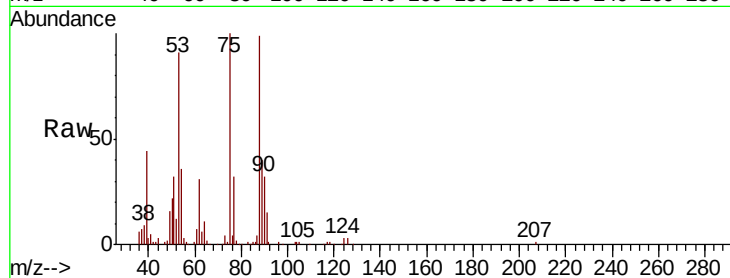
53 92.3 72.2 108.4

89 43.4 35.2 52.8

Manual Integrations
APPROVED

apatel

8/20/2018 9:53:45 AM



#82

4-Chlorotoluene

Concen: 20.41 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VW004737.D

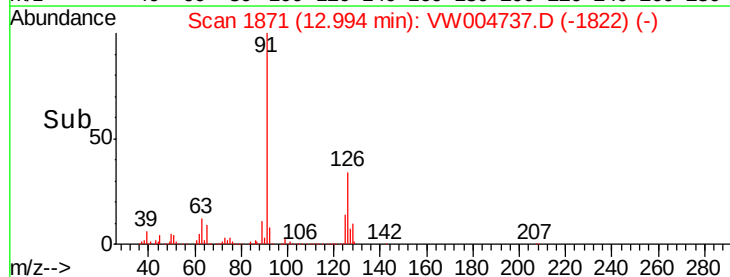
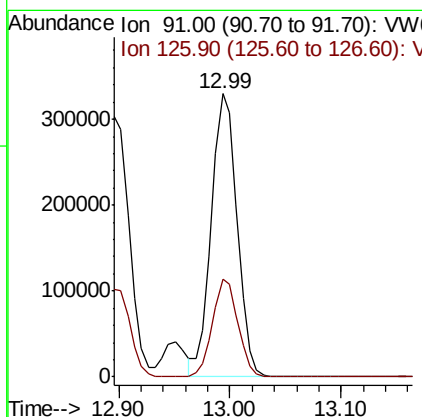
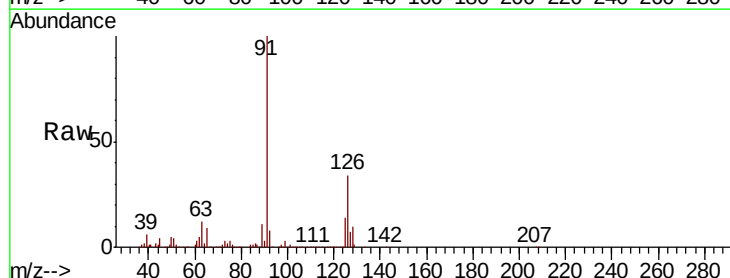
Acq: 17 Aug 2018 16:46

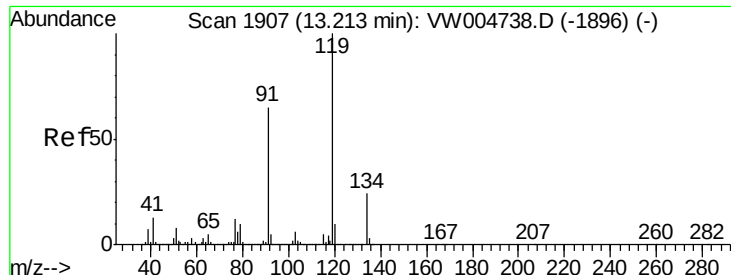
Tgt Ion: 91 Resp: 528128

Ion Ratio Lower Upper

91 100

126 33.9 16.9 50.7





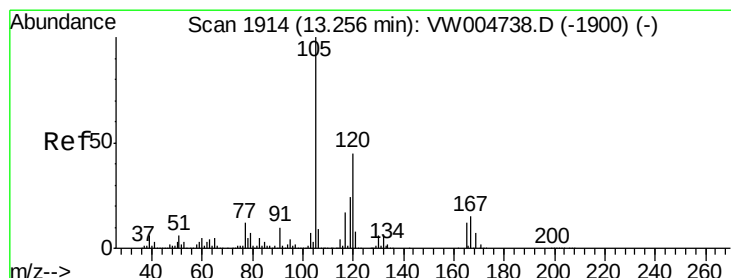
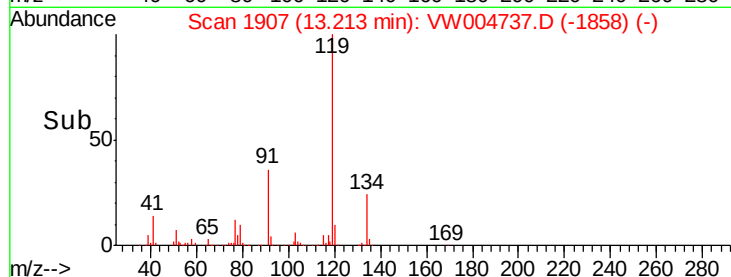
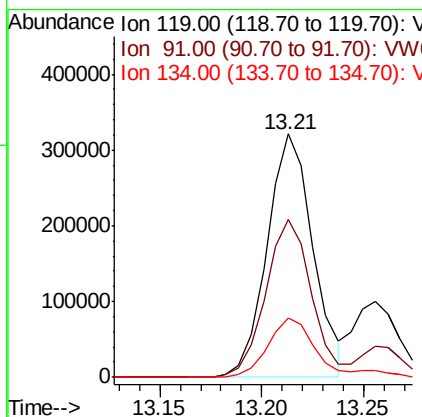
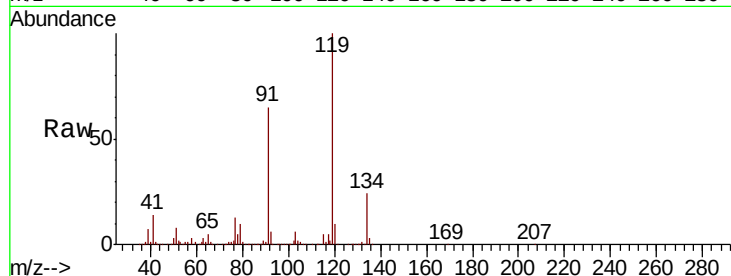
#83
 tert-Butylbenzene
 Concen: 20.04 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion:	119	Resp:	504092
Ion Ratio	Lower	Upper	
119	100		
91	65.2	32.6	97.8
134	24.3	13.1	39.3

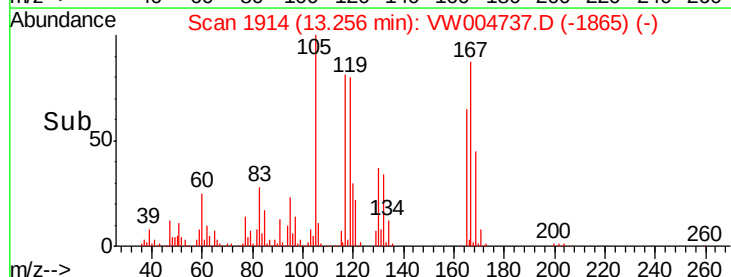
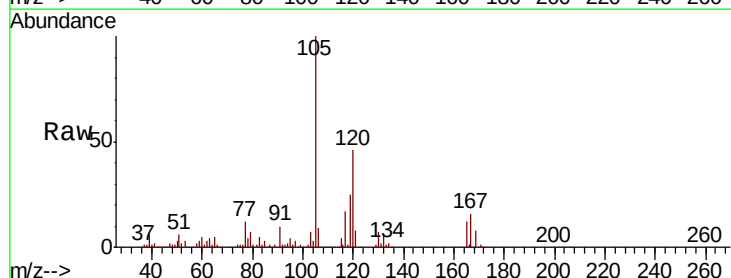
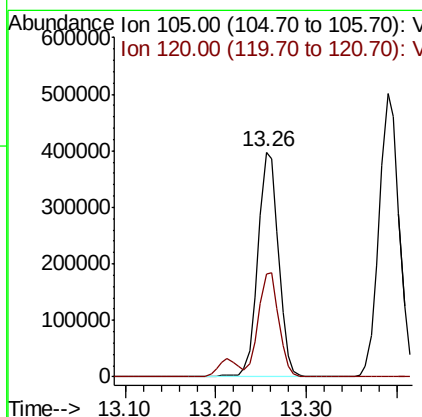
Manual Integrations
 APPROVED

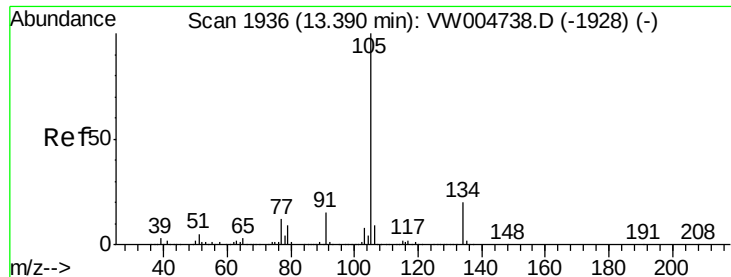
apatel
 8/20/2018 9:53:45 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.63 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Tgt Ion:	105	Resp:	624206
Ion Ratio	Lower	Upper	
105	100		
120	45.7	22.8	68.3





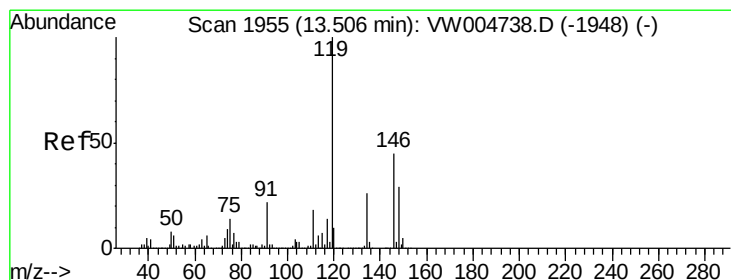
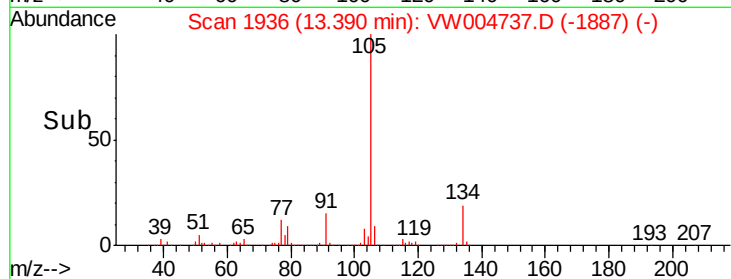
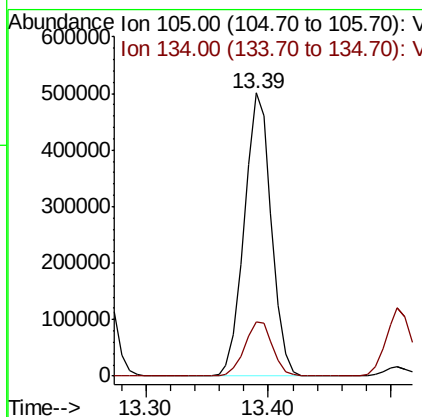
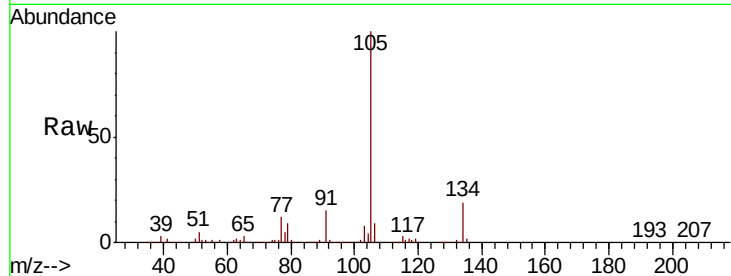
#85
 sec-Butylbenzene
 Concen: 20.39 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	765935		
134	19.8	10.0	29.8	

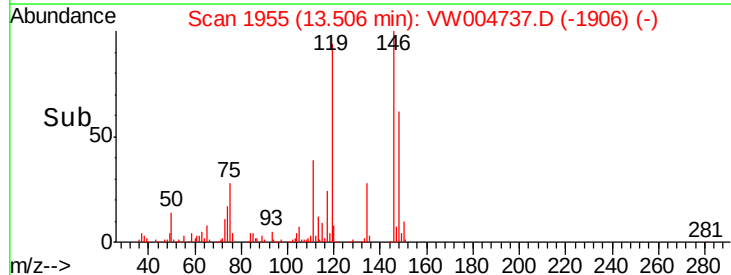
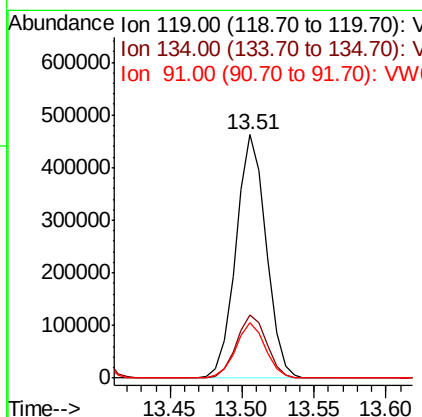
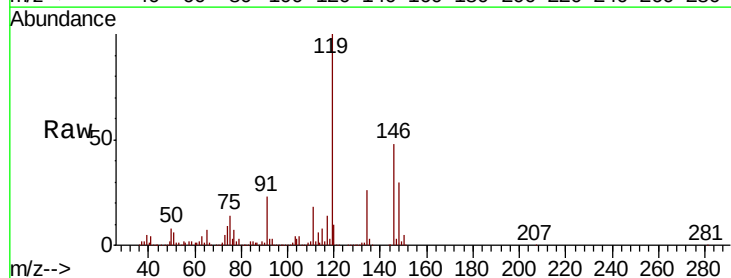
Manual Integrations
 APPROVED

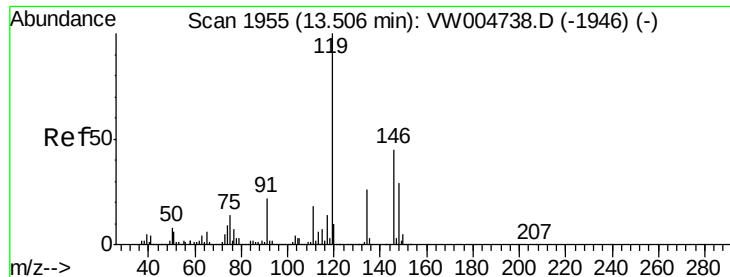
apatel
 8/20/2018 9:53:45 AM



#86
 p-Isopropyltoluene
 Concen: 20.57 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	672408		
134	26.1	13.1	39.3	
91	22.4	11.2	33.5	





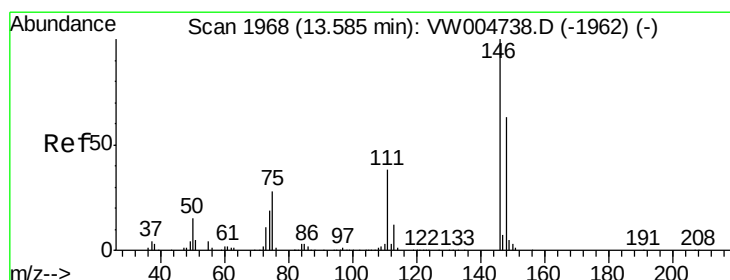
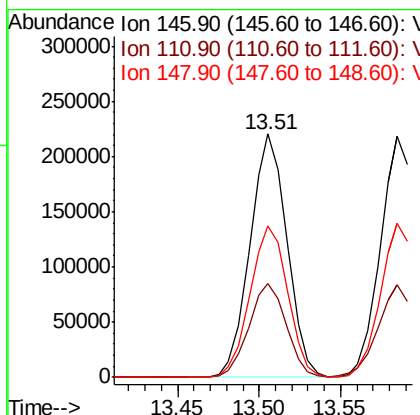
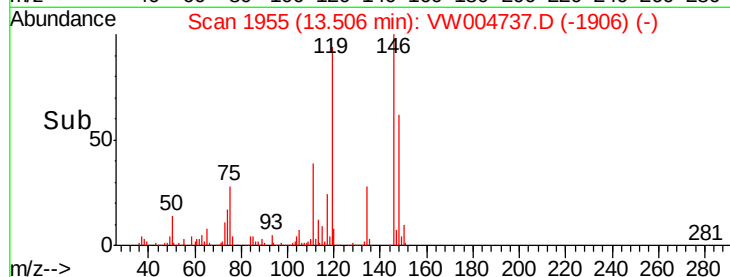
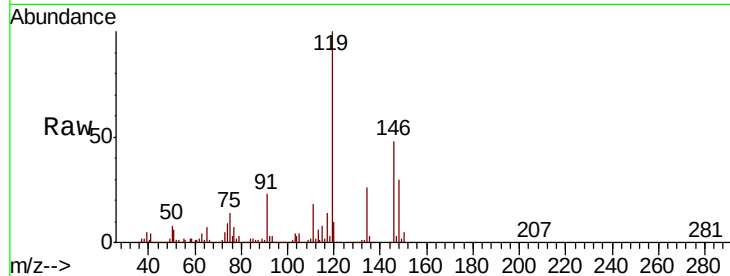
#87
 1,3-Dichlorobenzene
 Concen: 20.41 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.4
148	63.3	31.9	95.9

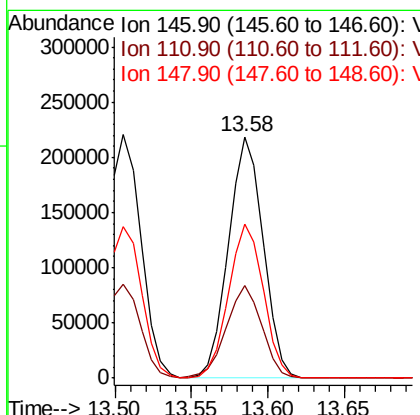
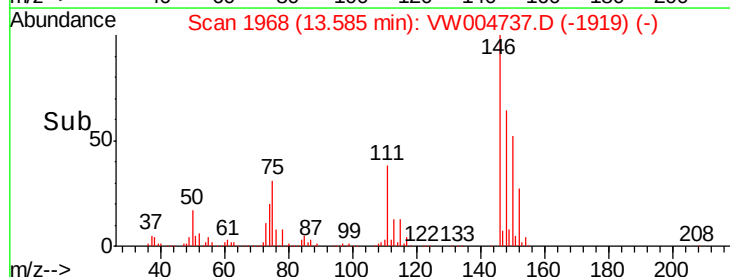
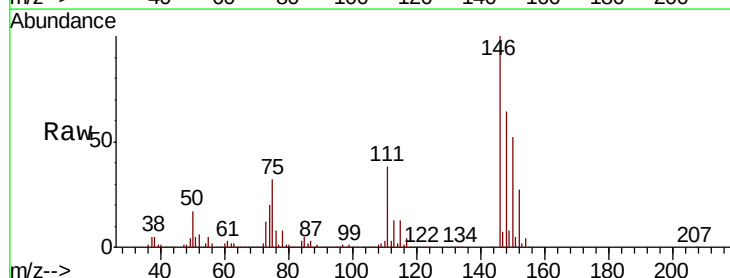
Manual Integrations
 APPROVED

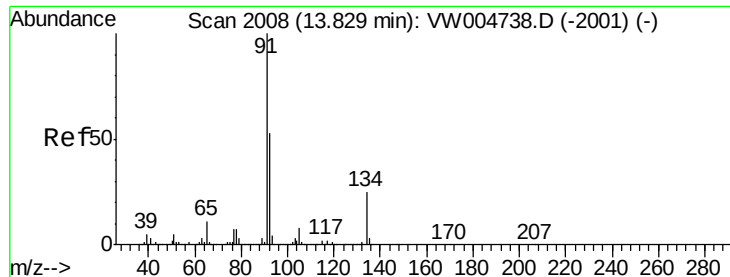
apatel
 8/20/2018 9:53:45 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.20 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.3	57.8
148	64.0	31.8	95.3





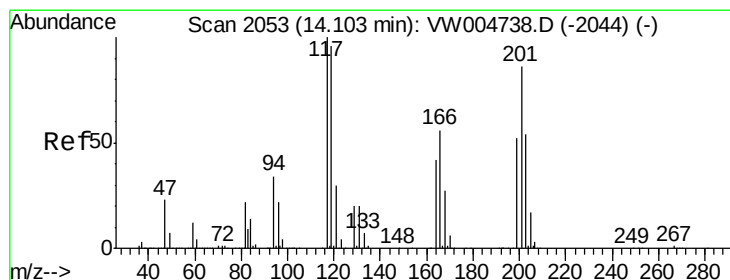
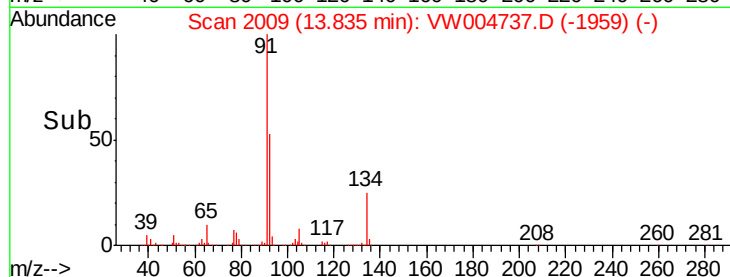
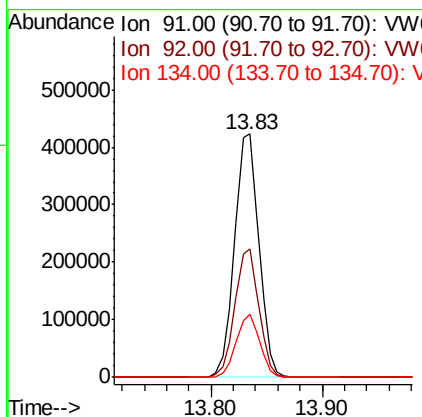
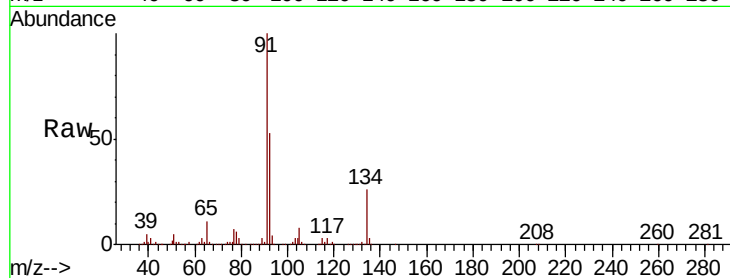
#89
n-Butylbenzene
Concen: 20.24 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. 0.01 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.4	79.2
134	25.2	12.8	38.3

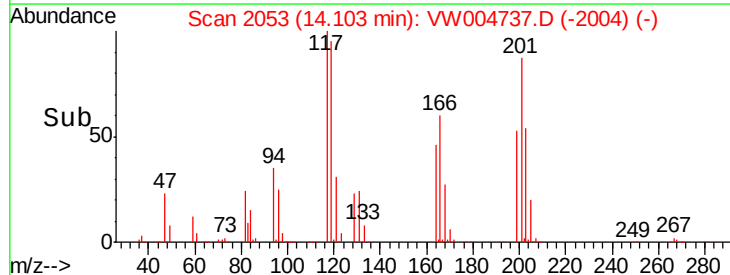
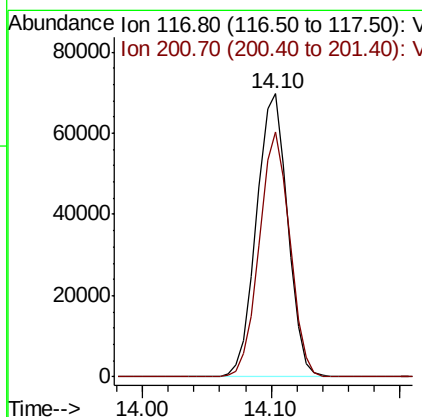
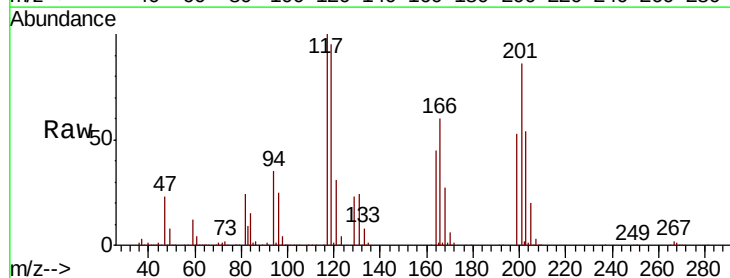
Manual Integrations
APPROVED

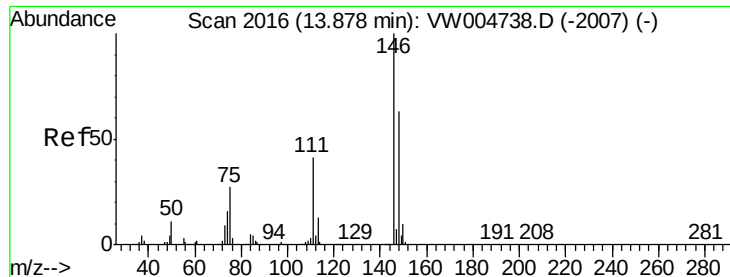
apatel
8/20/2018 9:53:45 AM



#90
Hexachloroethane
Concen: 19.61 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.5	42.4	127.2





#91

1,2-Dichlorobenzene

Concen: 20.16 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

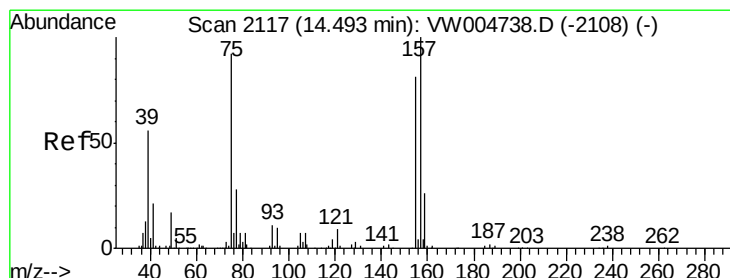
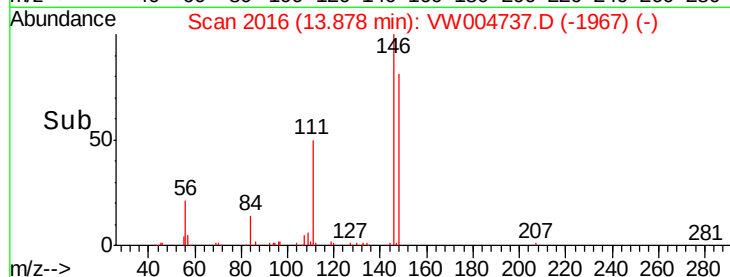
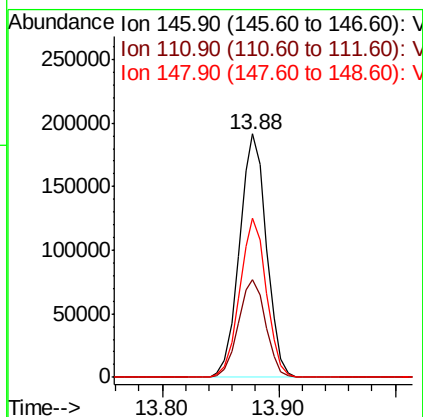
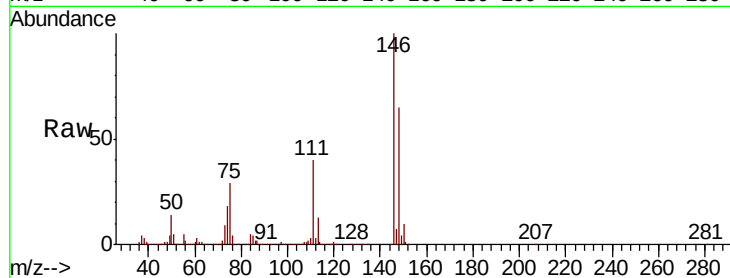
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	308718
Ion Ratio		Lower	Upper
146	100		
111	40.7	20.4	61.3
148	64.5	31.6	95.0

Manual Integrations
APPROVED

apatel
8/20/2018 9:53:45 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.34 ug/l

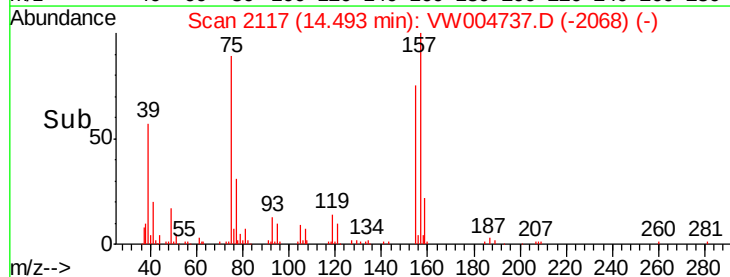
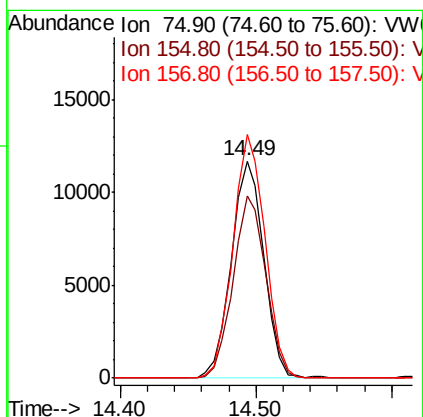
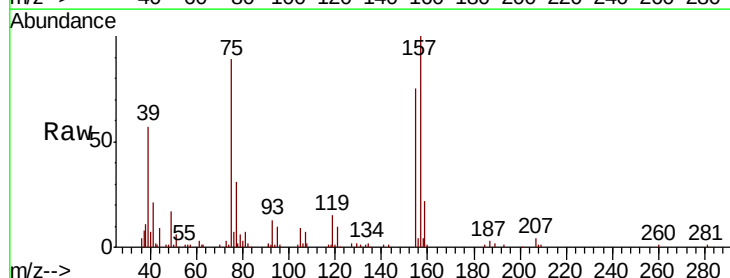
RT: 14.49 min Scan# 2117

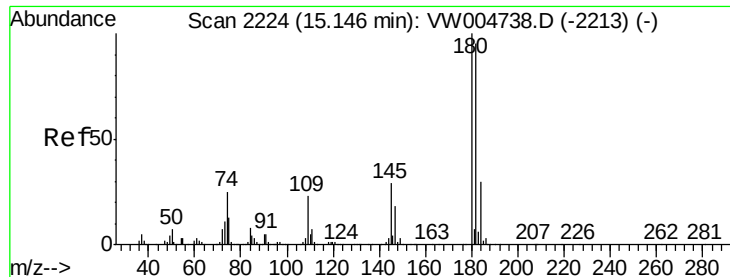
Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Tgt Ion:	75	Resp:	19383
Ion Ratio		Lower	Upper
75	100		
155	84.4	43.3	129.9
157	111.2	54.5	163.6





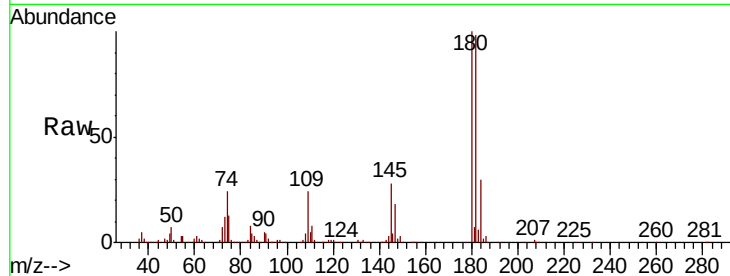
#93
 1,2,4-Trichlorobenzene
 Concen: 20.02 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

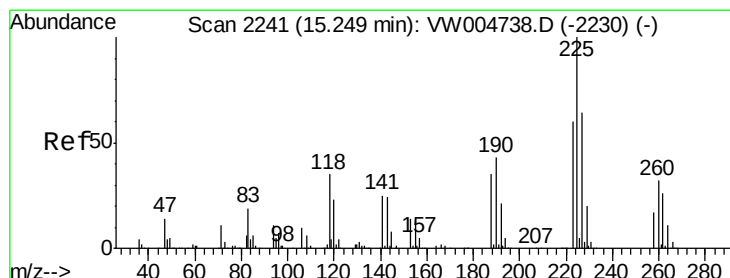
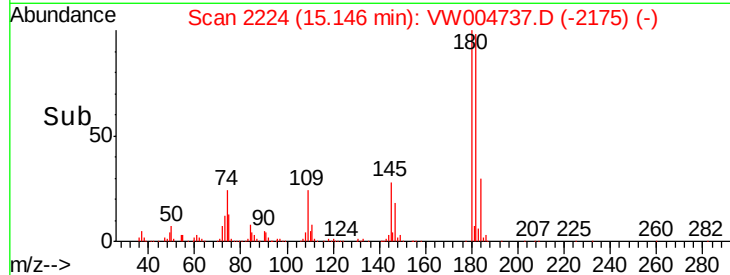
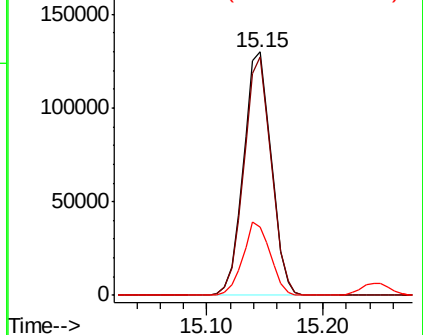
Tot Ion:	180	Resp:	216824
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.3	141.8
145	29.5	14.6	43.8

Manual Integrations
 APPROVED

apatel
 8/20/2018 9:53:45 AM

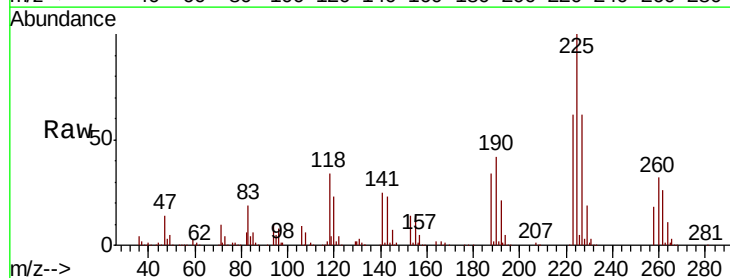


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

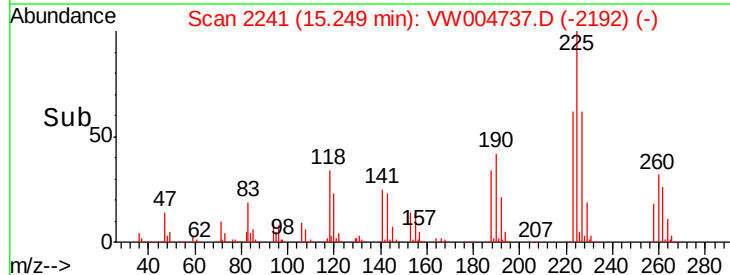
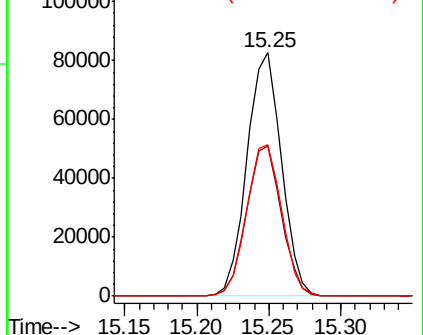


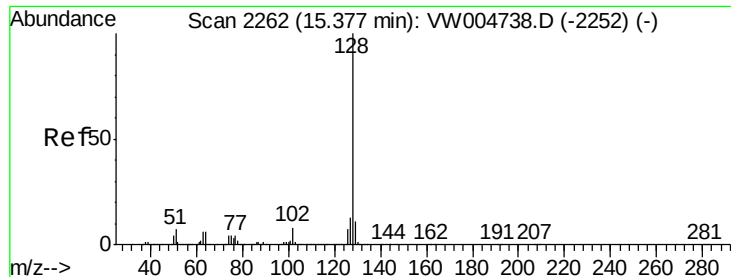
#94
 Hexachlorobutadiene
 Concen: 20.58 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Tgt Ion:	225	Resp:	136758
Ion Ratio	Lower	Upper	
225	100		
223	62.3	30.9	92.5
227	63.2	32.0	96.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





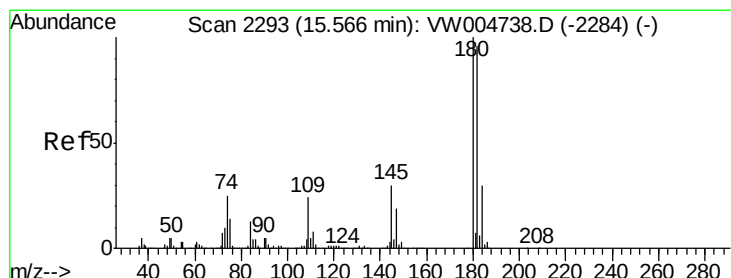
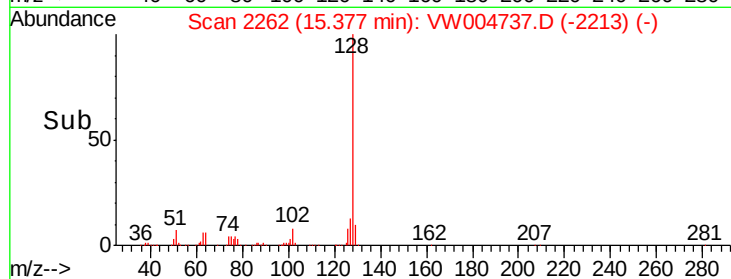
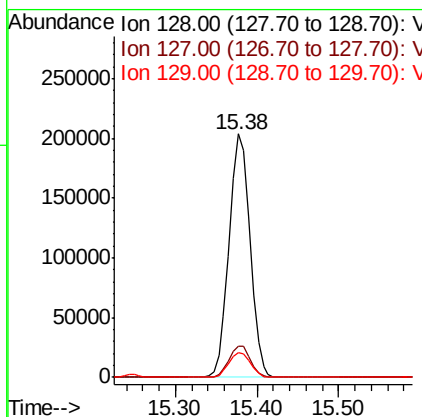
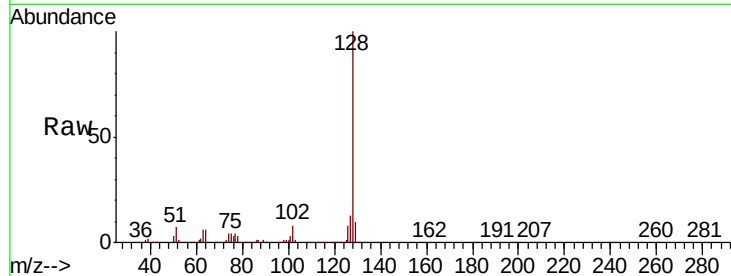
#95
Naphthalene
Concen: 19.24 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.5	8.6	13.0

Manual Integrations
APPROVED

apatel
8/20/2018 9:53:45 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.30 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.3	142.0
145	31.0	15.4	46.1

