

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082118\
 Data File : VW004862.D
 Acq On : 22 Aug 2018 02:20
 Operator : SY/AP
 Sample : VW0821SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS02

Manual Integrations
 APPROVED

apatel
 8/22/2018 11:25:31 AM

Quant Time: Aug 22 07:27:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	572861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	887940	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	828627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	442717	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	297191	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
35) Dibromofluoromethane	7.89	113	298390	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	
50) Toluene-d8	10.33	98	1206282	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	
62) 4-Bromofluorobenzene	12.62	95	431899	54.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	74183	19.55	ug/l	96
3) Chloromethane	2.21	50	102411	20.64	ug/l	96
4) Vinyl Chloride	2.37	62	166509	22.80	ug/l	100
5) Bromomethane	2.78	94	101055	22.41	ug/l	100
6) Chloroethane	2.92	64	98872	22.44	ug/l	99
7) Trichlorofluoromethane	3.26	101	78020	22.68	ug/l	99
8) Diethyl Ether	3.68	74	69392	22.31	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	131142	22.14	ug/l	100
10) Methyl Iodide	4.27	142	202954	22.56	ug/l	100
11) Tert butyl alcohol	5.24	59	32478	104.96	ug/l #	94
12) 1,1-Dichloroethene	4.03	96	129024	21.86	ug/l	98
13) Acrolein	3.90	56	41488	99.92	ug/l	98
14) Allyl chloride	4.67	41	195607	21.83	ug/l	99
15) Acrylonitrile	5.37	53	144051	110.43	ug/l	98
16) Acetone	4.14	43	139724	98.83	ug/l	99
17) Carbon Disulfide	4.37	76	419487	21.62	ug/l	98
18) Methyl Acetate	4.68	43	68209	22.51	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	172617	22.53	ug/l	96
20) Methylene Chloride	4.91	84	161093	22.59	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	138359	22.03	ug/l	99
22) Diisopropyl ether	6.32	45	402000	23.35	ug/l	99
23) Vinyl Acetate	6.26	43	1050806	107.89	ug/l	98
24) 1,1-Dichloroethane	6.21	63	250082	22.35	ug/l	99
25) 2-Butanone	7.18	43	211592	105.04	ug/l	97
26) 2,2-Dichloropropane	7.17	77	136094	21.06	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	150546	22.26	ug/l	99
28) Bromochloromethane	7.51	49	101646	21.57	ug/l	99
29) Tetrahydrofuran	7.54	42	110453	107.53	ug/l	99
30) Chloroform	7.68	83	245358	22.29	ug/l	97
31) Cyclohexane	7.96	56	230876	21.33	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	196190	22.49	ug/l	98
36) 1,1-Dichloropropene	8.09	75	194597	21.27	ug/l	100
37) Ethyl Acetate	7.26	43	75381	20.67	ug/l	99
38) Carbon Tetrachloride	8.07	117	179165	21.28	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082118\
 Data File : VW004862.D
 Acq On : 22 Aug 2018 02:20
 Operator : SY/AP
 Sample : VW0821SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS02

Manual Integrations
 APPROVED

apatel
 8/22/2018 11:25:31 AM

Quant Time: Aug 22 07:27:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	234680	20.52	ug/l	100
40) Benzene	8.33	78	577761	21.73	ug/l	99
41) Methacrylonitrile	7.49	41	47433	22.92	ug/l	98
42) 1,2-Dichloroethane	8.40	62	146612	21.51	ug/l	99
43) Isopropyl Acetate	8.43	43	136706	20.87	ug/l	99
44) Trichloroethene	9.10	130	146436	21.70	ug/l	94
45) 1,2-Dichloropropane	9.37	63	141804	21.81	ug/l	99
46) Dibromomethane	9.46	93	69145	21.46	ug/l	99
47) Bromodichloromethane	9.65	83	162785	21.16	ug/l	99
48) Methyl methacrylate	9.44	41	63947	20.81	ug/l	96
49) 1,4-Dioxane	9.48	88	21964	466.66	ug/l #	82
51) 4-Methyl-2-Pentanone	10.21	43	477879	107.96	ug/l	98
52) Toluene	10.39	92	353195	22.15	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	159548	20.58	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	195640	21.17	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	101323	22.13	ug/l	99
56) Ethyl methacrylate	10.65	69	112376	20.64	ug/l	98
57) 1,3-Dichloropropane	10.94	76	173183	21.91	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	283769	112.21	ug/l	99
59) 2-Hexanone	10.98	43	317453	105.84	ug/l	99
60) Dibromochloromethane	11.13	129	108530	21.12	ug/l	98
61) 1,2-Dibromoethane	11.24	107	93130	21.28	ug/l	99
64) Tetrachloroethene	10.87	164	129951	22.95	ug/l	99
65) Chlorobenzene	11.66	112	389159	21.82	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	129141	21.45	ug/l	98
67) Ethyl Benzene	11.74	91	657791	21.76	ug/l	100
68) m/p-Xylenes	11.85	106	523928	44.54	ug/l	99
69) o-Xylene	12.17	106	237950	21.85	ug/l	100
70) Styrene	12.19	104	404771	22.13	ug/l	99
71) Bromoform	12.35	173	66060	20.78	ug/l #	97
73) Isopropylbenzene	12.47	105	661547	21.96	ug/l	99
74) N-amyl acetate	12.28	43	133859	21.47	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	121445	21.77	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	81954m	21.00	ug/l	
77) Bromobenzene	12.75	156	160417	22.00	ug/l	98
78) n-propylbenzene	12.81	91	813966	22.15	ug/l	100
79) 2-Chlorotoluene	12.90	91	468938	22.14	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	570503	22.30	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	32611	19.42	ug/l	95
82) 4-Chlorotoluene	12.99	91	494795	21.98	ug/l	99
83) tert-Butylbenzene	13.21	119	478812	21.88	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	590850	22.44	ug/l	99
85) sec-Butylbenzene	13.39	105	718703	21.99	ug/l	100
86) p-Isopropyltoluene	13.51	119	624674	21.97	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	323415	21.81	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	321376	21.68	ug/l	99
89) n-Butylbenzene	13.83	91	574911	20.91	ug/l	100
90) Hexachloroethane	14.10	117	109832	21.19	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	291886	21.92	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18661	21.40	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082118\
Data File : VW004862.D
Acq On : 22 Aug 2018 02:20
Operator : SY/AP
Sample : VW0821SBSD02
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0821SBSD02

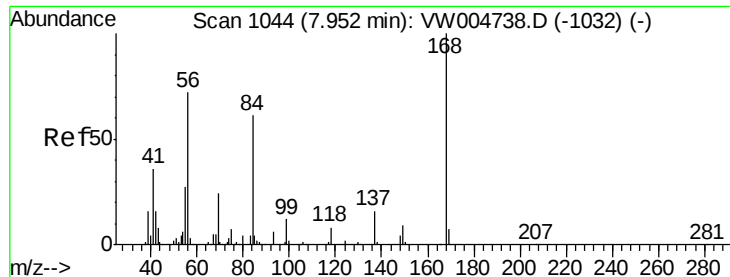
Manual Integrations
APPROVED

apatel
8/22/2018 11:25:31 AM

Quant Time: Aug 22 07:27:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	199214	21.15	ug/l	99
94) Hexachlorobutadiene	15.25	225	121914	21.08	ug/l	98
95) Naphthalene	15.38	128	341826	20.92	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	180149	21.56	ug/l	99

(#) = 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: VW004862.D

Acq: 22 Aug 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBSD02

Tot Ion:168 Resp: 572861

Ion Ratio Lower Upper

168 100

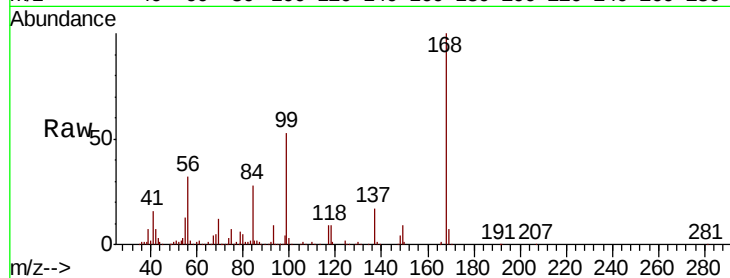
99 53.2 41.0 61.4

Manual Integrations

APPROVED

apatel

8/22/2018 11:25:31 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

150000

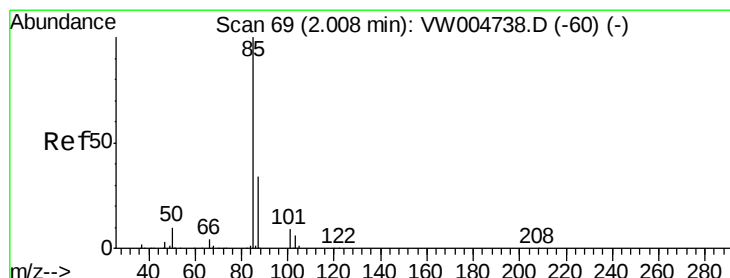
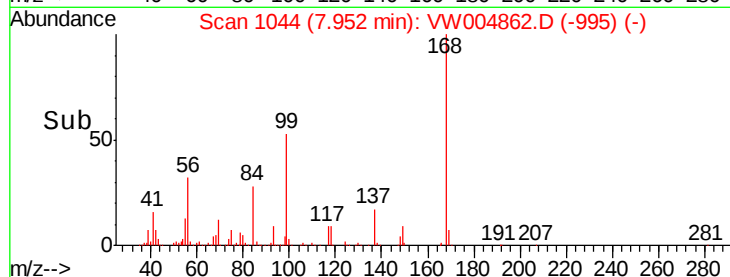
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.55 ug/l

RT: 2.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VW004862.D

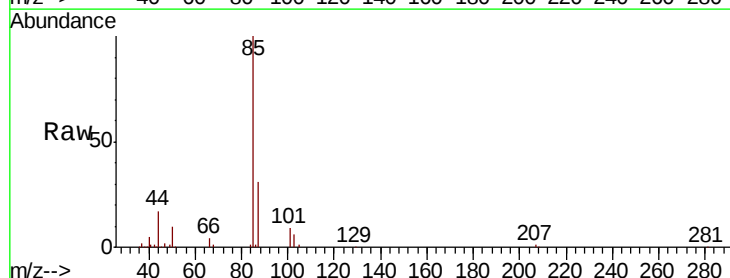
Acq: 22 Aug 2018 02:20

Tgt Ion: 85 Resp: 74183

Ion Ratio Lower Upper

85 100

87 31.3 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

25000

20000

15000

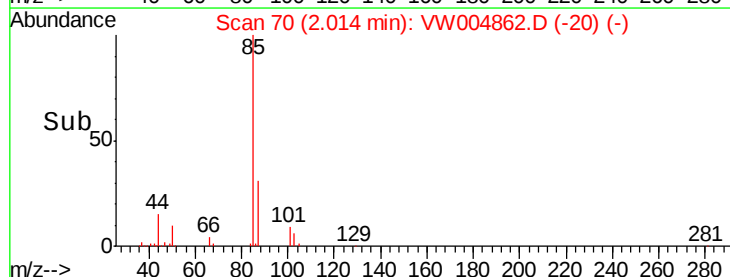
10000

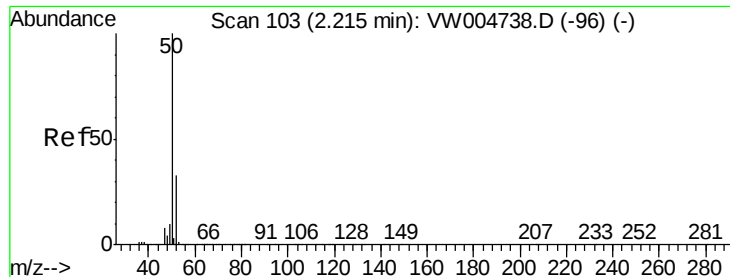
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 20.64 ug/l

RT: 2.21 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBSD02

Tot Ion: 50 Resp: 102411

Ion Ratio Lower Upper

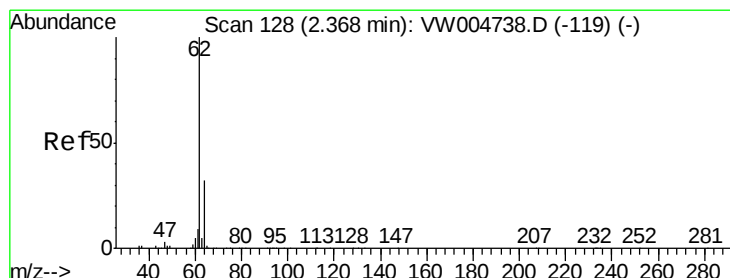
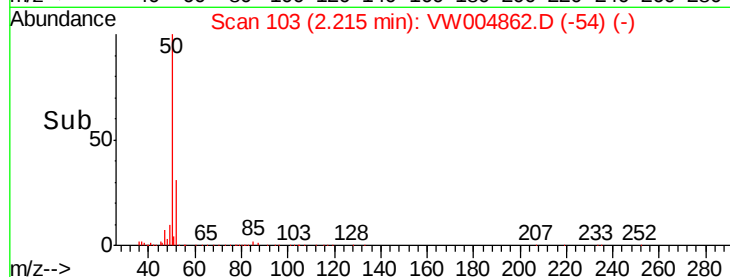
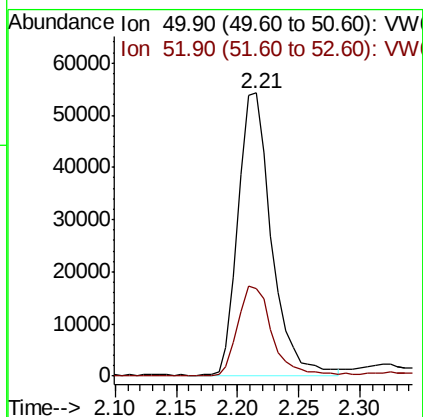
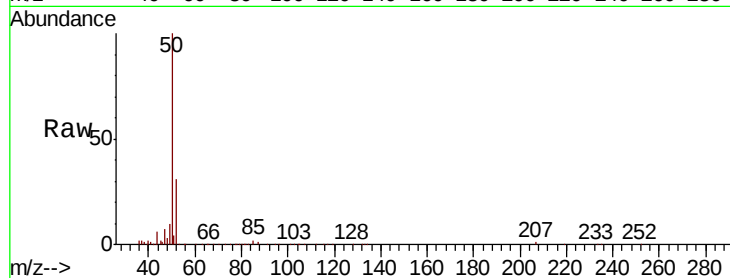
50 100

52 31.0 26.7 40.1

Manual Integrations
APPROVED

apatel

8/22/2018 11:25:31 AM



#4

Vinyl Chloride

Concen: 22.80 ug/l

RT: 2.37 min Scan# 128

Delta R.T. -0.00 min

Lab File: VW004862.D

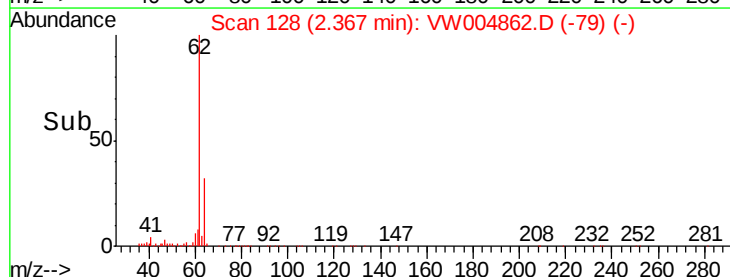
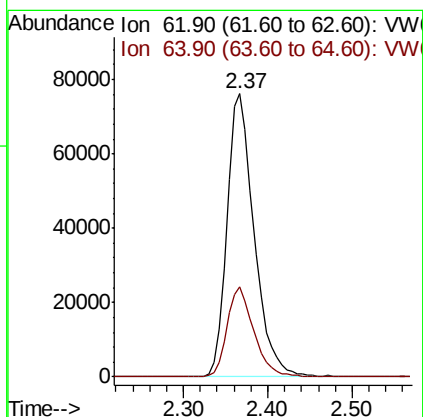
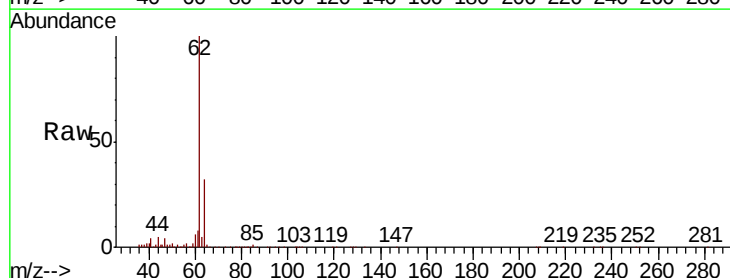
Acq: 22 Aug 2018 02:20

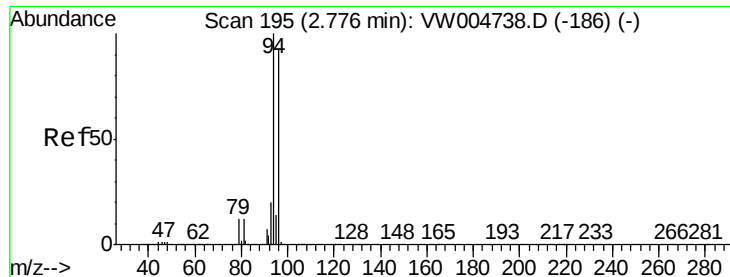
Tgt Ion: 62 Resp: 166509

Ion Ratio Lower Upper

62 100

64 31.6 25.2 37.8





#5

Bromomethane

Concen: 22.41 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBSD02

Tot Ion: 94 Resp: 101055

Ion Ratio Lower Upper

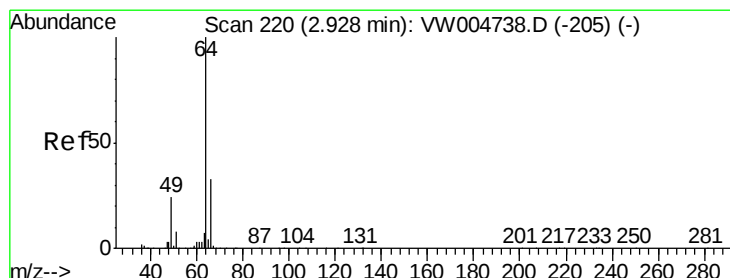
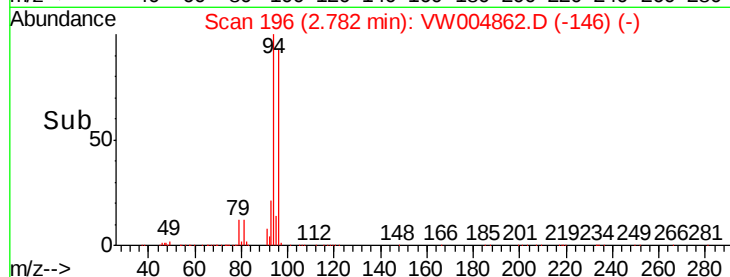
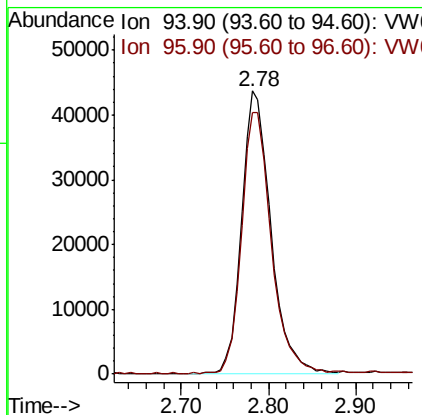
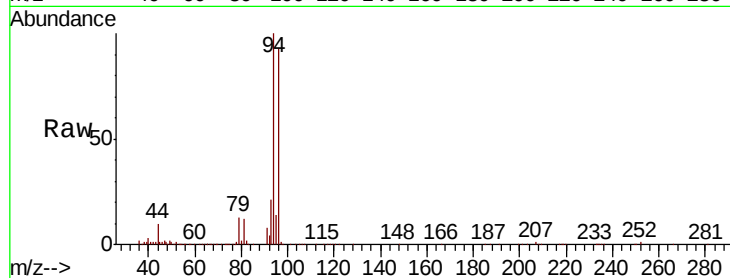
94 100

96 92.5 74.3 111.5

Manual Integrations
APPROVED

apatel

8/22/2018 11:25:31 AM



#6

Chloroethane

Concen: 22.44 ug/l

RT: 2.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VW004862.D

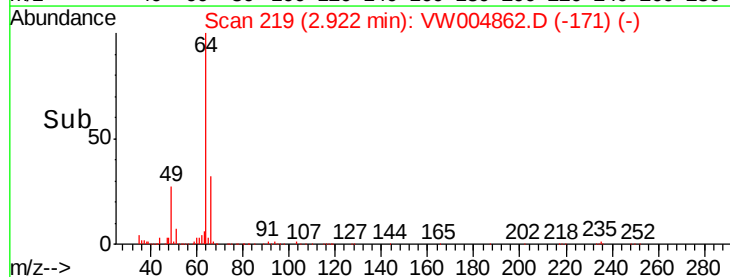
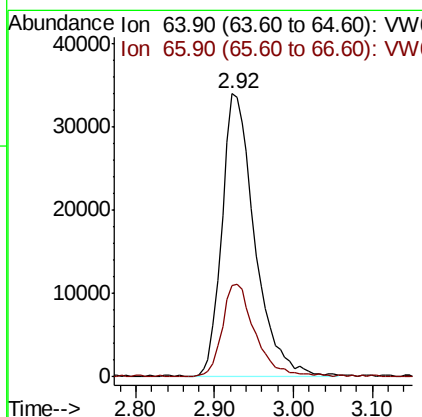
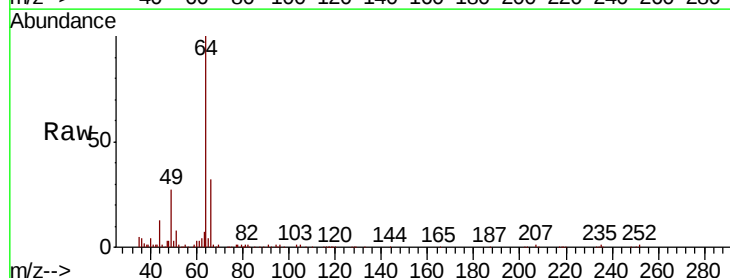
Acq: 22 Aug 2018 02:20

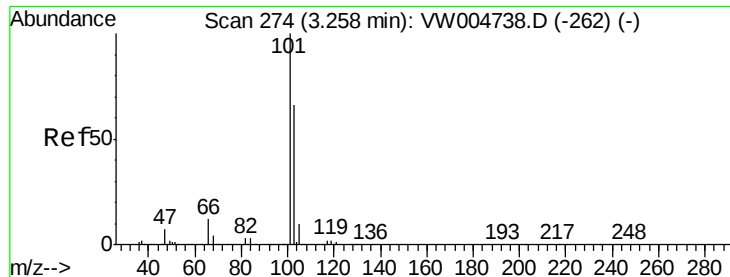
Tgt Ion: 64 Resp: 98872

Ion Ratio Lower Upper

64 100

66 32.0 26.1 39.1





#7

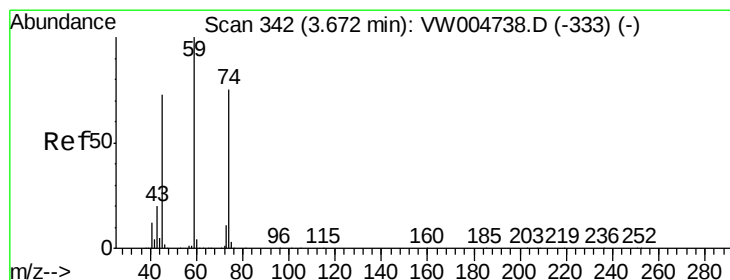
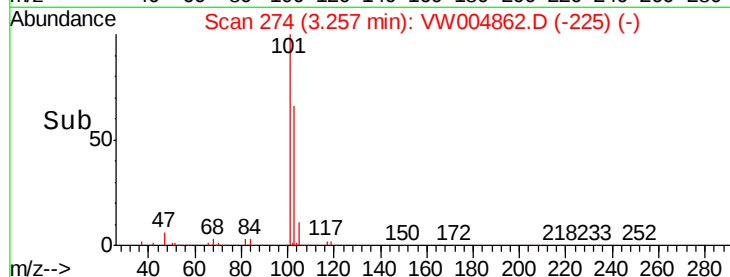
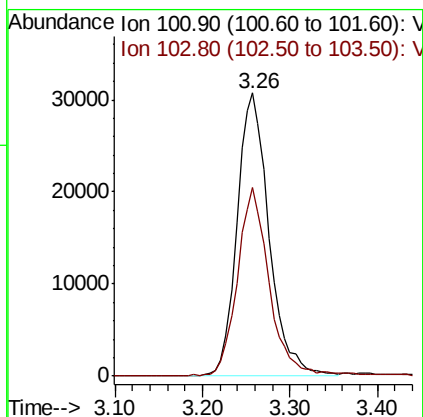
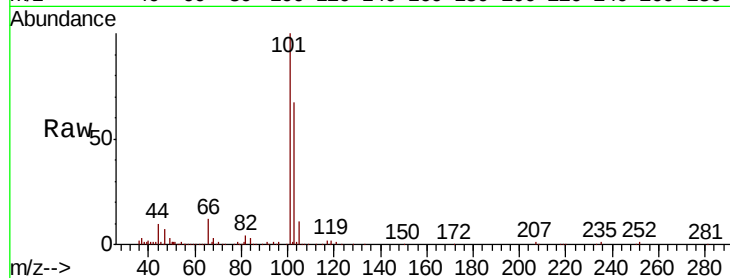
Trichlorofluoromethane
 Concen: 22.68 ug/l
 RT: 3.26 min Scan# 274
 Delta R.T. -0.00 min
 Lab File: VW004862.D
 Acq: 22 Aug 2018 02:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	52.5	78.7

Manual Integrations
 APPROVED

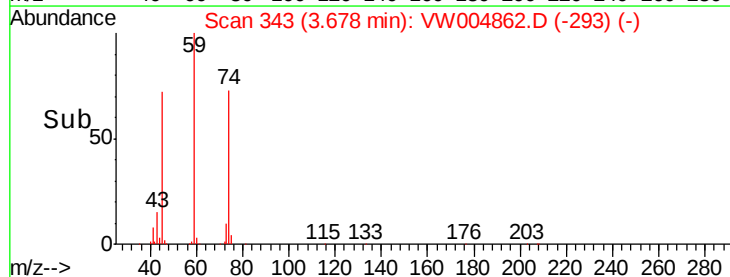
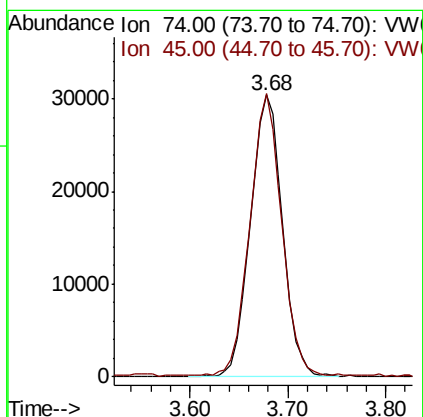
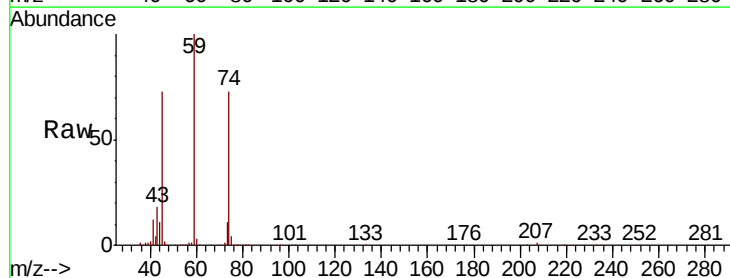
apatel
 8/22/2018 11:25:31 AM

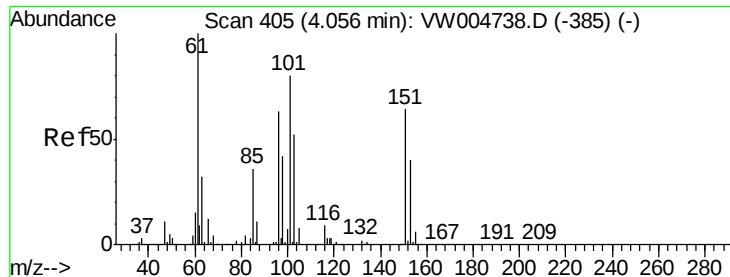


#8

Diethyl Ether
 Concen: 22.31 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VW004862.D
 Acq: 22 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.7	49.8	149.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.14 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

Instrument :

MSVOA_W

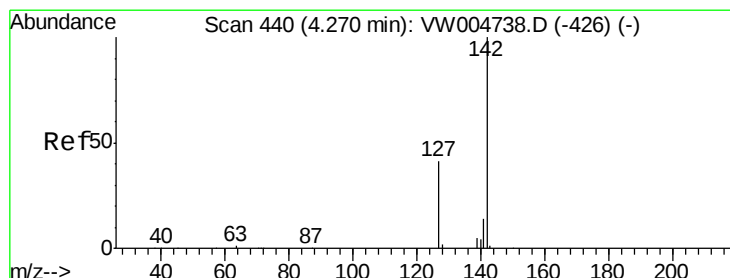
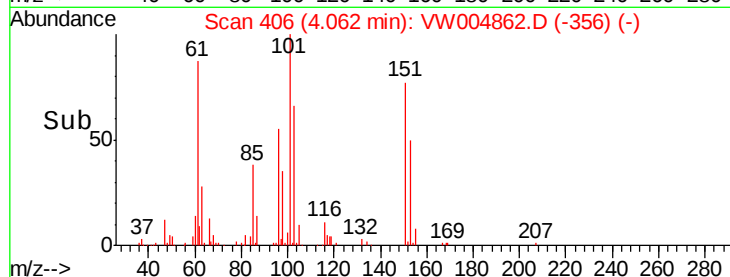
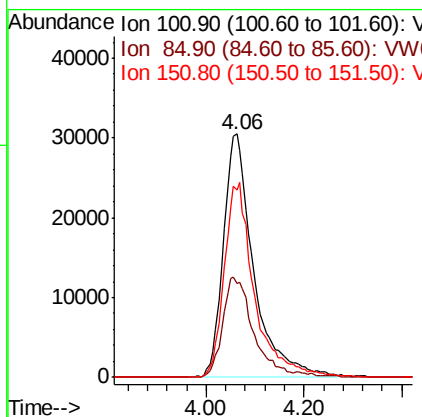
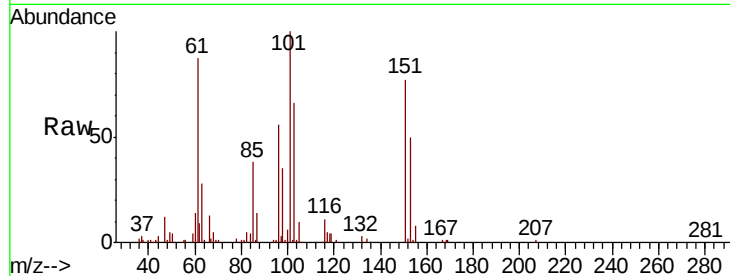
ClientSampleId :

VW0821SBS02

Tot Ion:	101	Resp:	131142
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.9	50.9
151	79.3	63.4	95.2

Manual Integrations
APPROVED

apatel
8/22/2018 11:25:31 AM



#10

Methyl Iodide

Concen: 22.56 ug/l

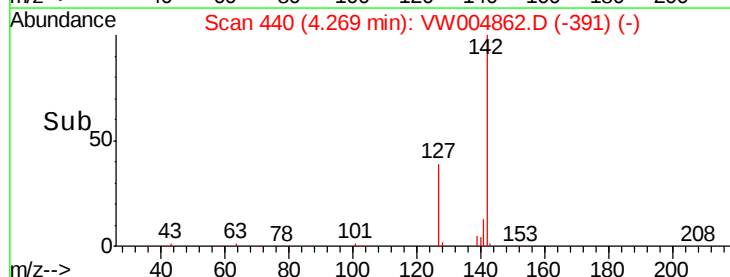
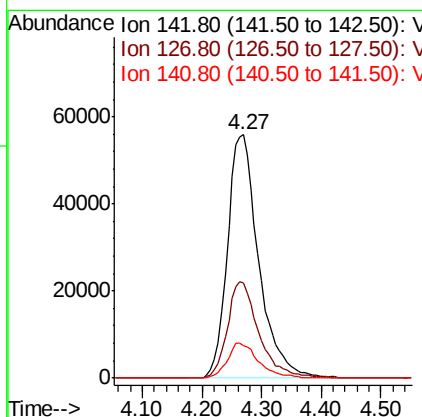
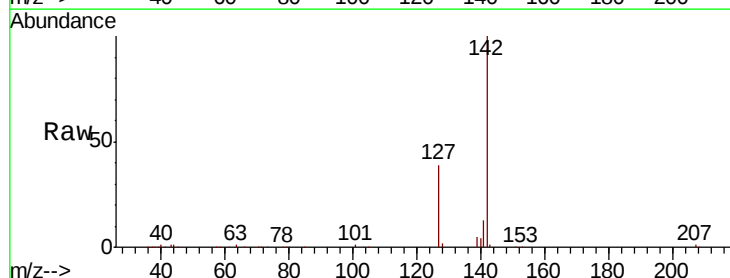
RT: 4.27 min Scan# 440

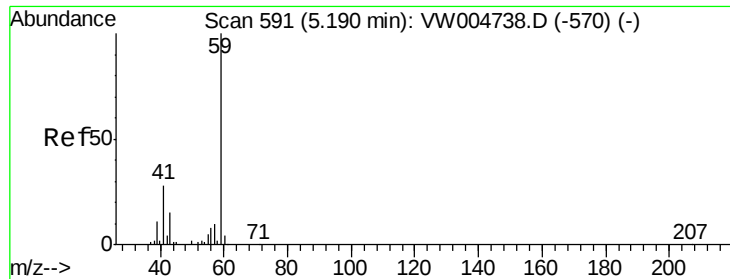
Delta R.T. -0.00 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

Tgt Ion:	142	Resp:	202954
Ion Ratio	Lower	Upper	
142	100		
127	39.7	32.1	48.1
141	14.5	11.7	17.5





#11

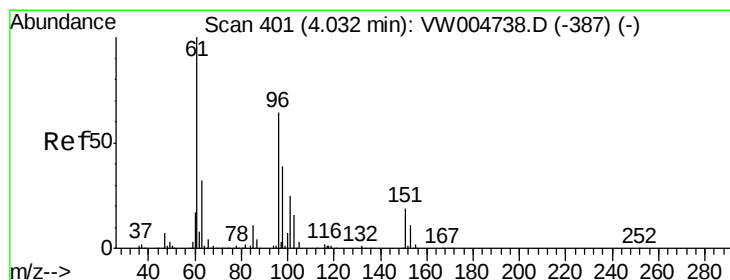
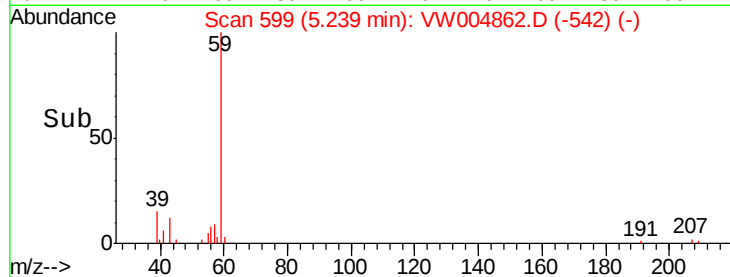
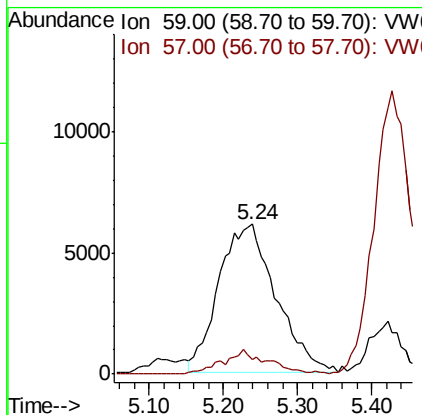
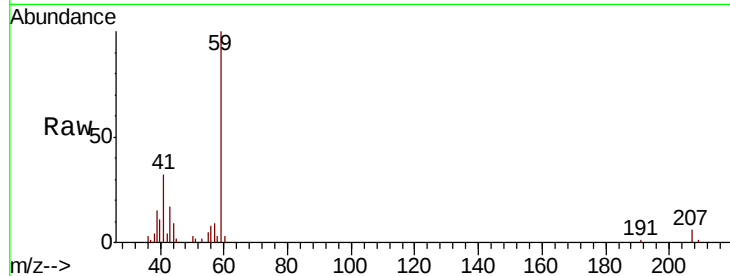
Tert butyl alcohol
Concen: 104.96 ug/l
RT: 5.24 min Scan# 599
Delta R.T. 0.05 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
VW0821SBSD02

Tot Ion: 59 Resp: 32478
Ion Ratio Lower Upper
59 100
57 12.7 8.4 12.6#

Manual Integrations
APPROVED

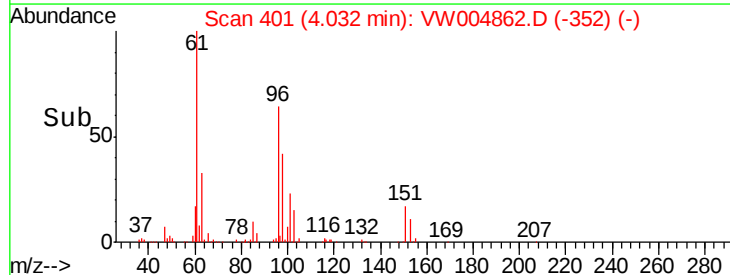
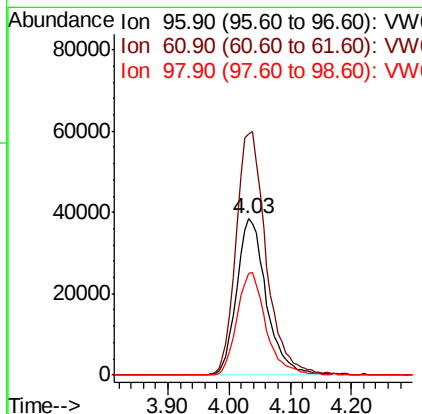
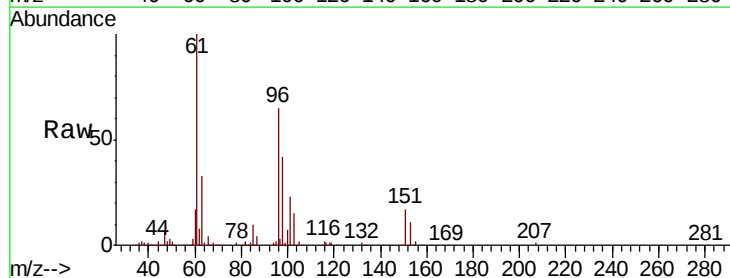
apatel
8/22/2018 11:25:31 AM

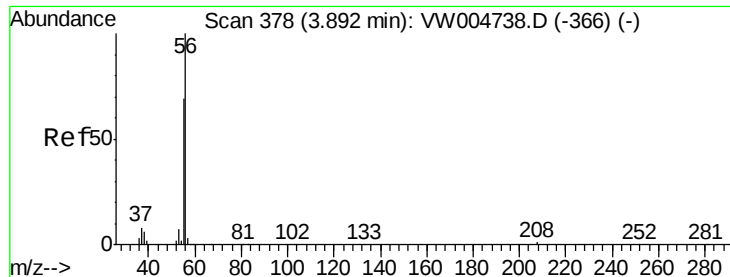


#12

1,1-Dichloroethene
Concen: 21.86 ug/l
RT: 4.03 min Scan# 401
Delta R.T. -0.00 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Tgt Ion: 96 Resp: 129024
Ion Ratio Lower Upper
96 100
61 154.7 125.6 188.4
98 64.7 49.4 74.0





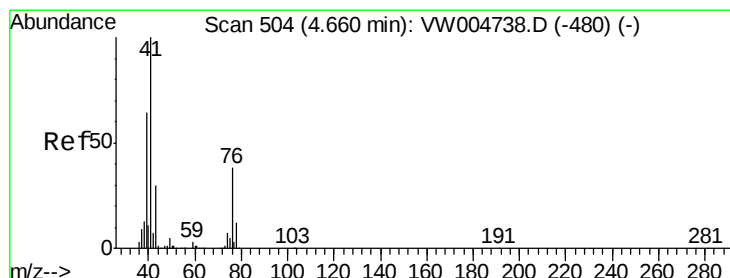
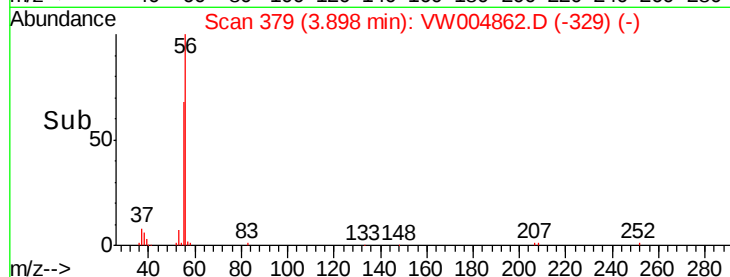
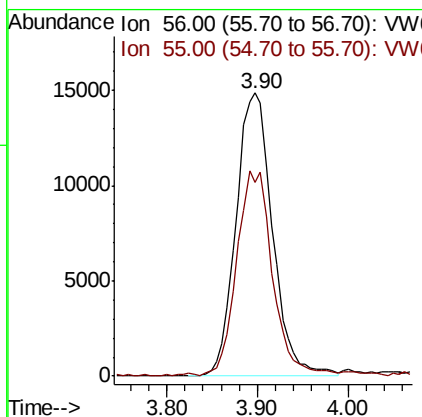
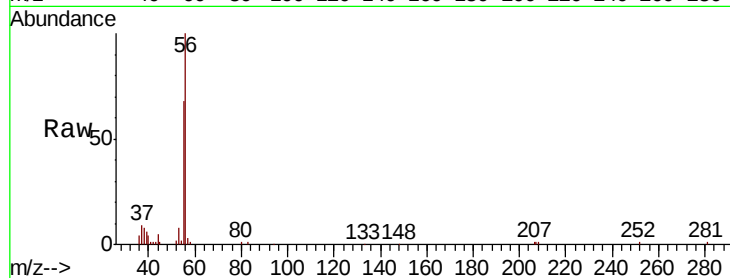
#13
 Acrolein
 Concen: 99.92 ug/l
 RT: 3.90 min Scan# 379
 Delta R.T. 0.01 min
 Lab File: VW004862.D
 Acq: 22 Aug 2018 02:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBSD02

Tot Ion	56	Resp	41488
Ion Ratio	100	Lower	Upper
55	71.4	56.1	84.1

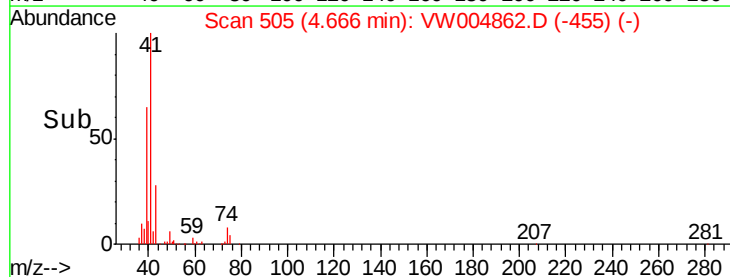
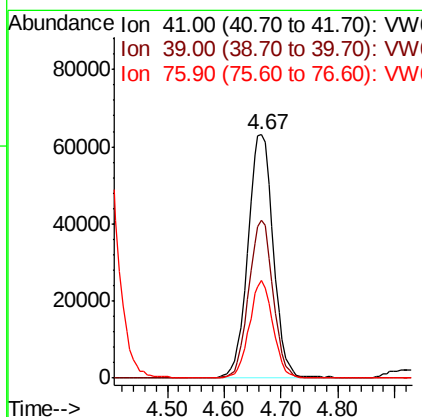
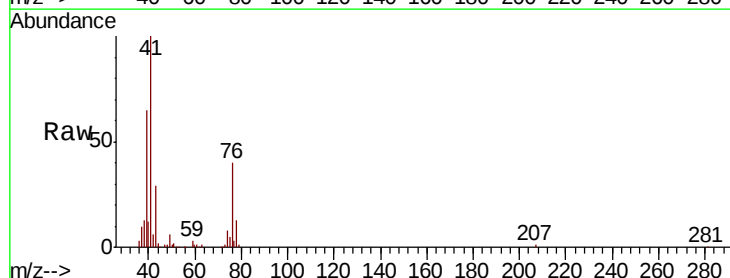
Manual Integrations
 APPROVED

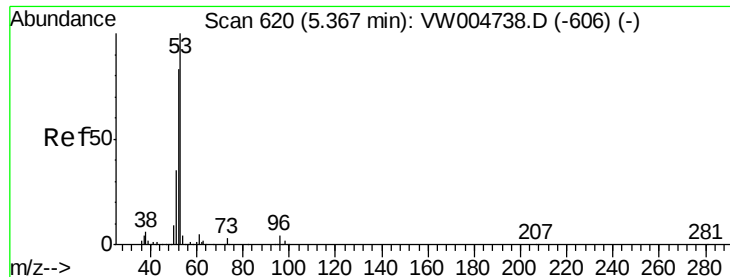
apatel
 8/22/2018 11:25:31 AM



#14
 Allyl chloride
 Concen: 21.83 ug/l
 RT: 4.67 min Scan# 505
 Delta R.T. 0.01 min
 Lab File: VW004862.D
 Acq: 22 Aug 2018 02:20

Tgt Ion	41	Resp	195607
Ion Ratio	100	Lower	Upper
39	61.5	50.0	75.0
76	37.2	29.8	44.6





#15

Acrylonitrile

Concen: 110.43 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.01 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

Instrument :

MSVOA_W

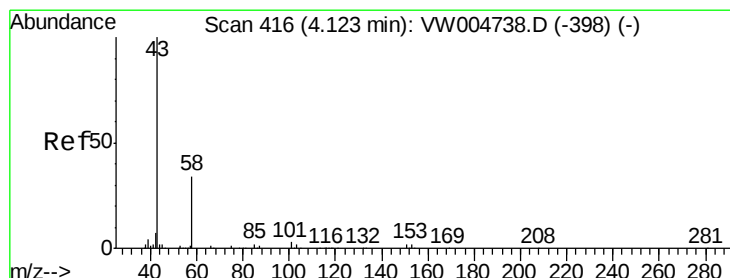
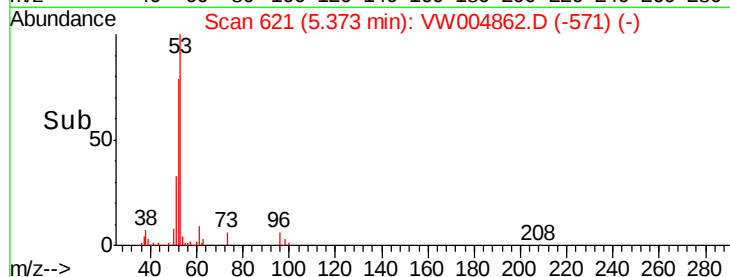
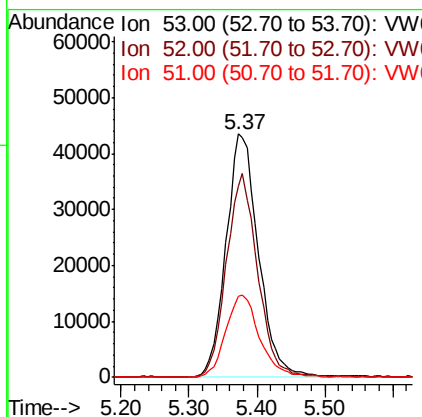
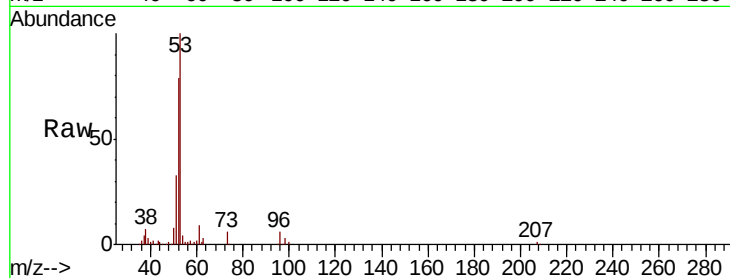
ClientSampleId :

VW0821SBS02

Tot Ion:	53	Resp:	144051
Ion Ratio		Lower	Upper
53	100		
52	80.4	65.8	98.6
51	35.4	28.7	43.1

Manual Integrations
APPROVED

apatel
8/22/2018 11:25:31 AM



#16

Acetone

Concen: 98.83 ug/l

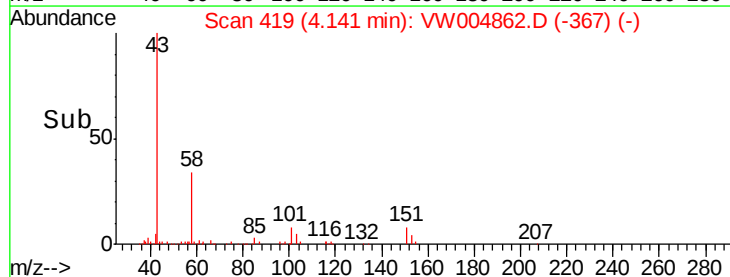
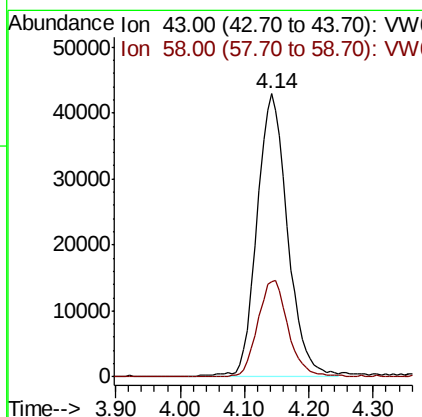
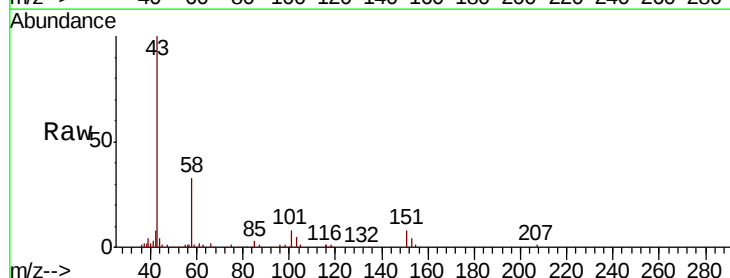
RT: 4.14 min Scan# 419

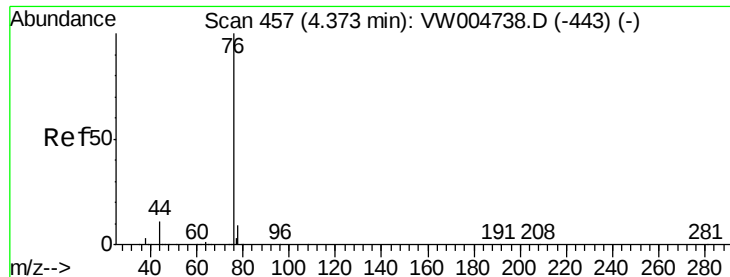
Delta R.T. 0.02 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

Tgt Ion:	43	Resp:	139724
Ion Ratio		Lower	Upper
43	100		
58	33.3	27.3	40.9





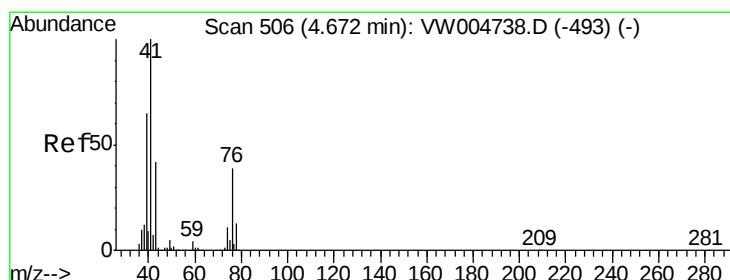
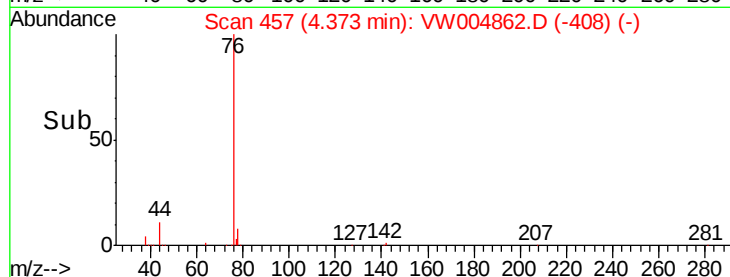
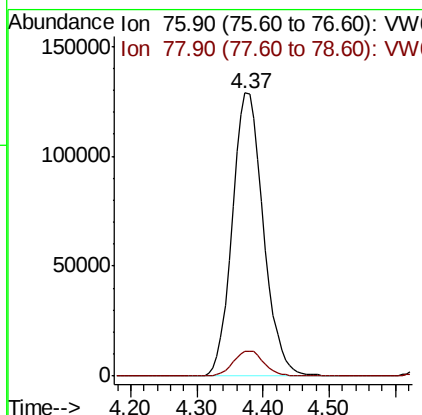
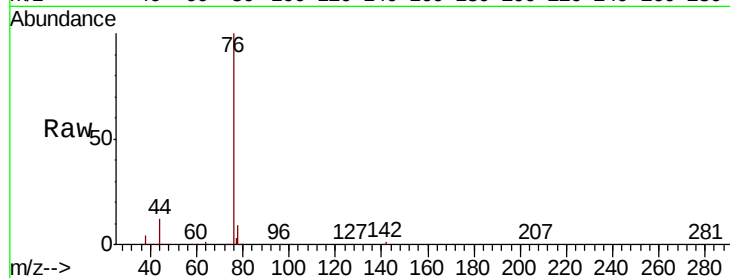
#17
Carbon Disulfide
Concen: 21.62 ug/l
RT: 4.37 min Scan# 457
Delta R.T. -0.00 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
VW0821SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.4	11.2

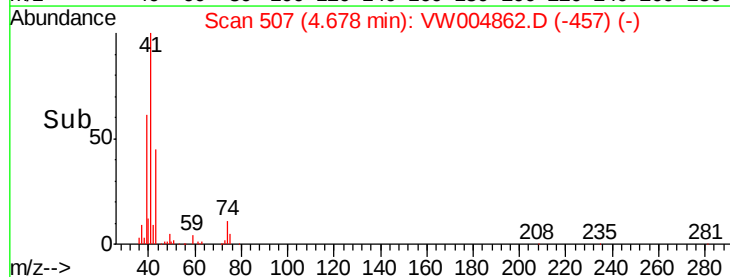
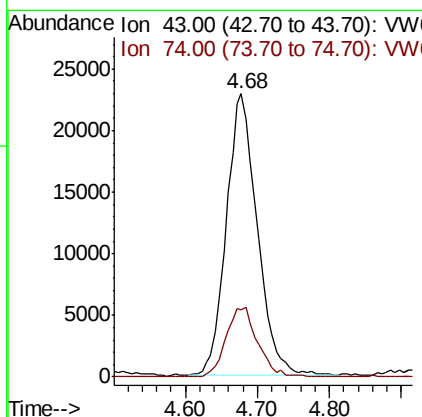
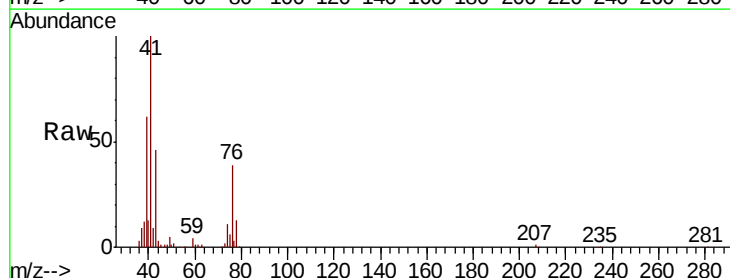
Manual Integrations
APPROVED

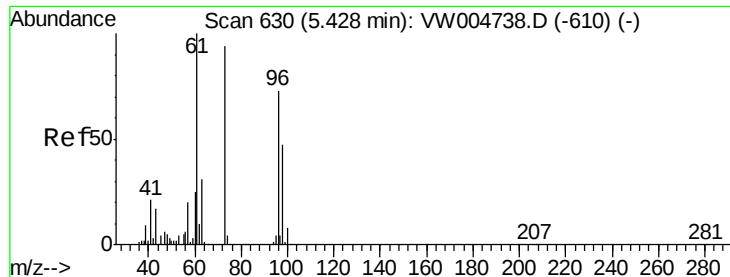
apatel
8/22/2018 11:25:31 AM



#18
Methyl Acetate
Concen: 22.51 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	19.8	29.8





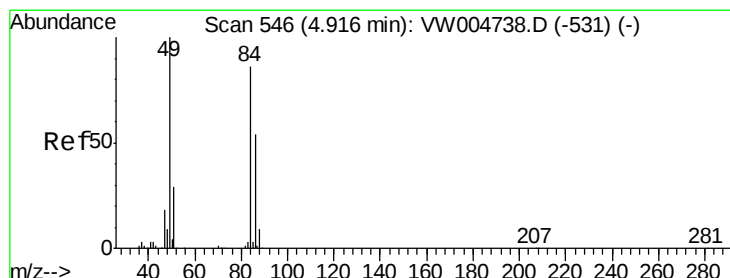
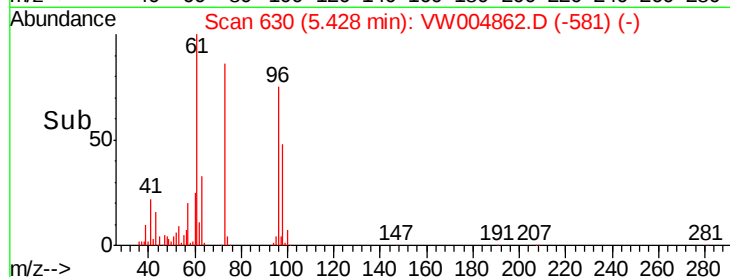
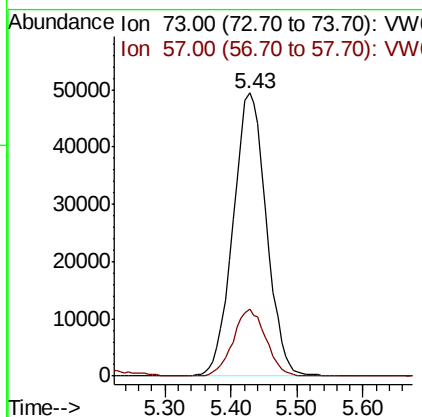
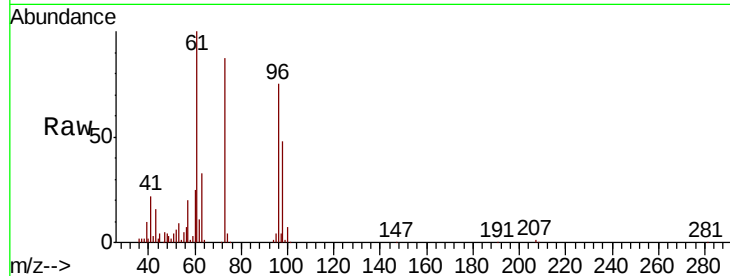
#19
Methvl tert-butvl Ether
Concen: 22.53 ug/l
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
VW0821SBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.6	17.3	25.9

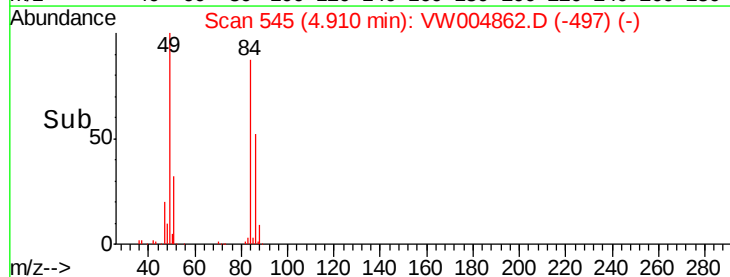
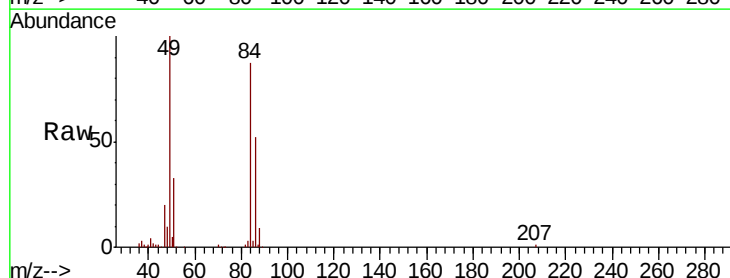
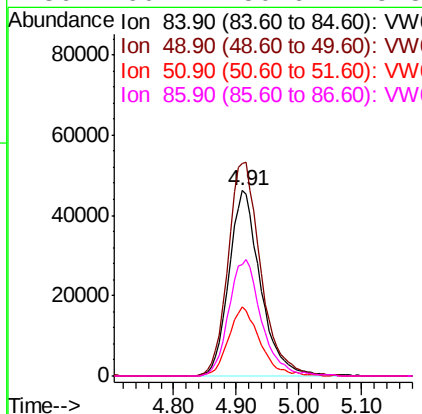
Manual Integrations
APPROVED

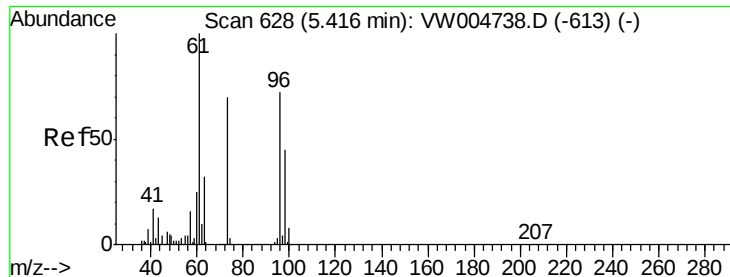
apatel
8/22/2018 11:25:31 AM



#20
Methylene Chloride
Concen: 22.59 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.9	93.2	139.8
51	37.4	27.4	41.0
86	60.1	50.6	75.8





#21

trans-1,2-Dichloroethene

Concen: 22.03 ug/l

RT: 5.42 min Scan# 629

Delta R.T. 0.01 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

Instrument :

MSVOA_W

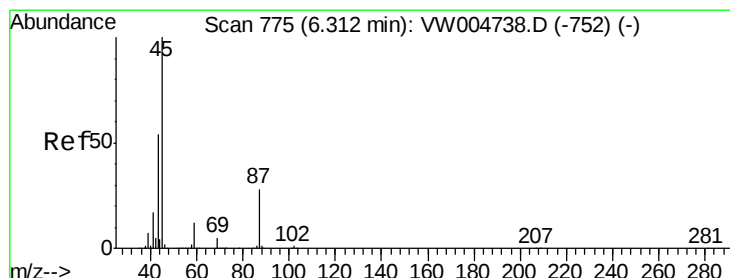
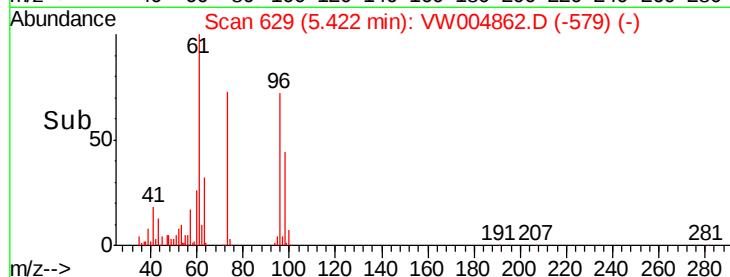
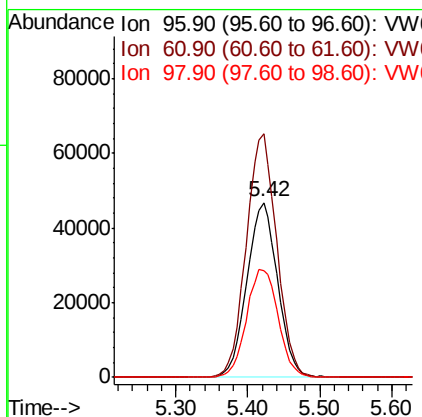
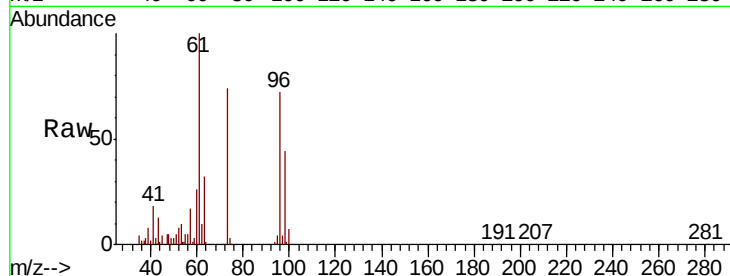
ClientSampleId :

VW0821SBS02

Tot Ion:	96	Resp:	138359
Ion	Ratio	Lower	Upper
96	100		
61	139.3	111.4	167.0
98	60.9	49.7	74.5

Manual Integrations
APPROVED

apatel
8/22/2018 11:25:31 AM



#22

Diisopropyl ether

Concen: 23.35 ug/l

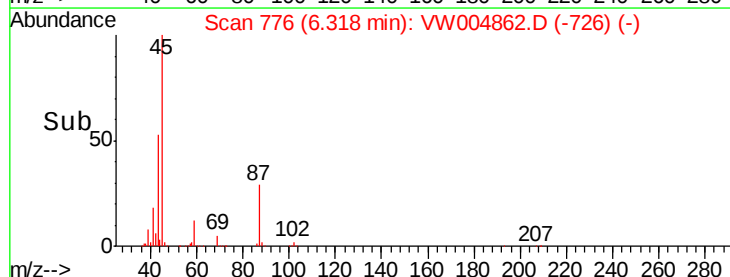
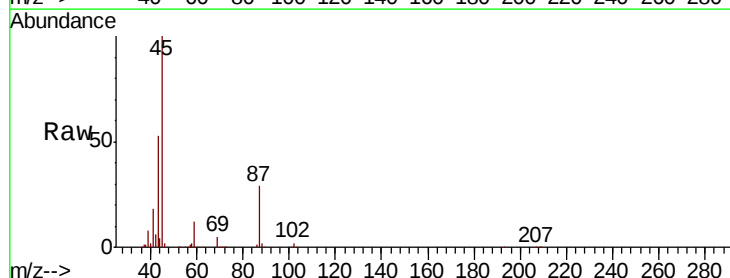
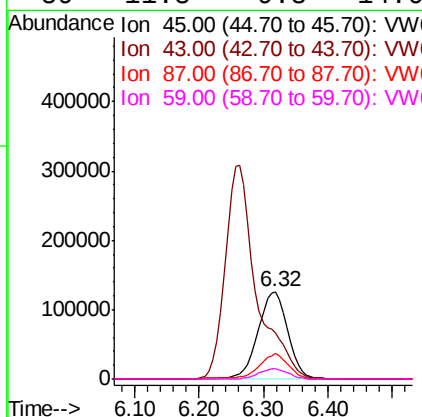
RT: 6.32 min Scan# 776

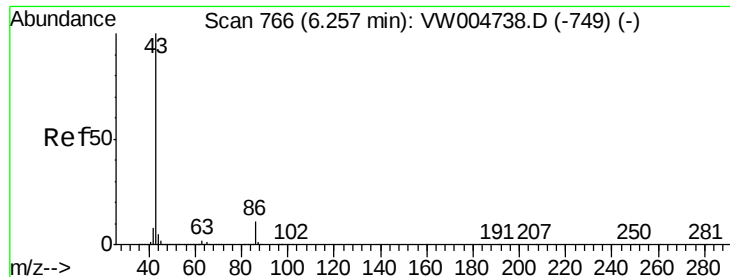
Delta R.T. 0.01 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

Tgt Ion:	45	Resp:	402000
Ion	Ratio	Lower	Upper
45	100		
43	53.3	43.0	64.6
87	28.8	22.2	33.4
59	11.8	9.8	14.6





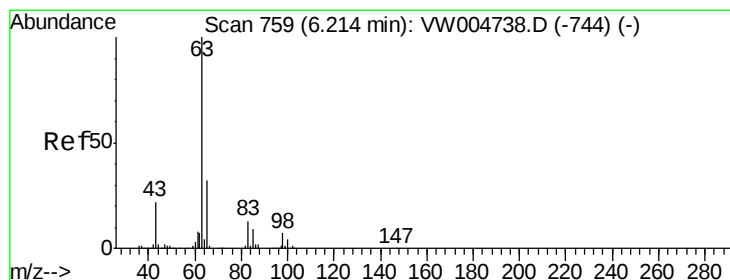
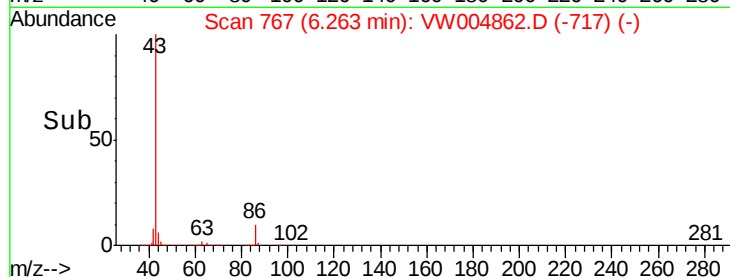
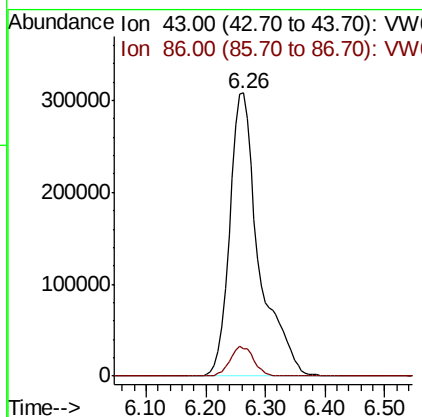
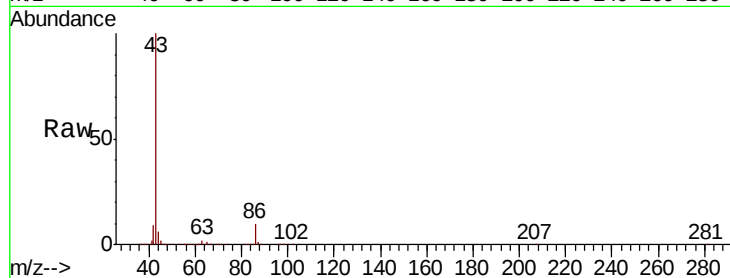
#23
 Vinyl Acetate
 Concen: 107.89 ug/l
 RT: 6.26 min Scan# 767
 Delta R.T. 0.01 min
 Lab File: VW004862.D
 Acq: 22 Aug 2018 02:20

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0821SBS02

Tot Ion: 43 Resp: 1050806
 Ion Ratio Lower Upper
 43 100
 86 9.8 8.5 12.7

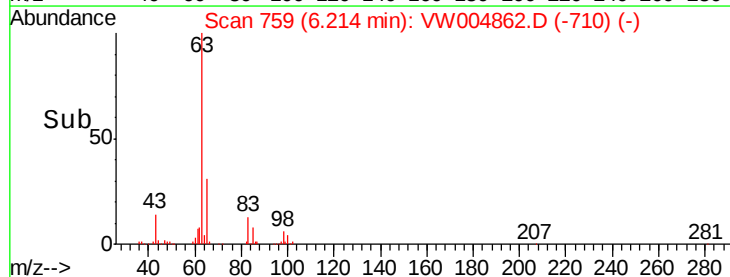
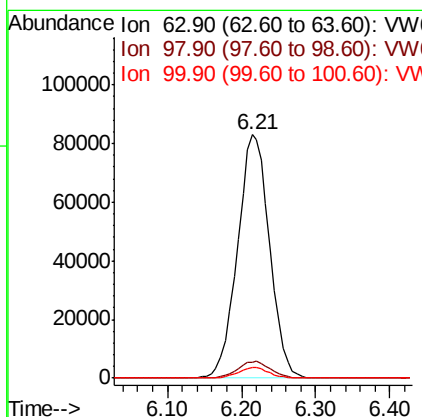
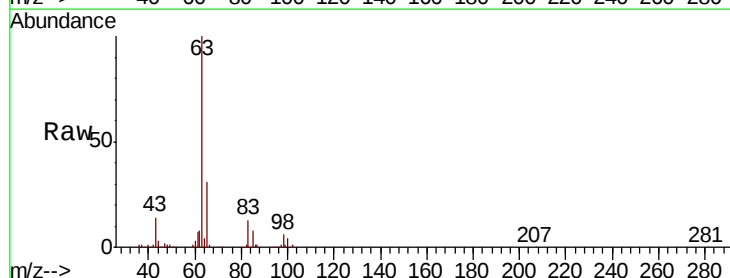
Manual Integrations
 APPROVED

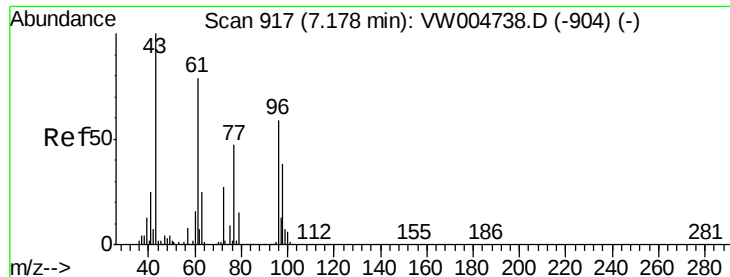
apatel
 8/22/2018 11:25:31 AM



#24
 1,1-Dichloroethane
 Concen: 22.35 ug/l
 RT: 6.21 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VW004862.D
 Acq: 22 Aug 2018 02:20

Tgt Ion: 63 Resp: 250082
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.5 10.4
 100 4.2 2.1 6.3





#25

2-Butanone

Concen: 105.04 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBSD02

Tot Ion: 43 Resp: 211592

Ion Ratio Lower Upper

43 100

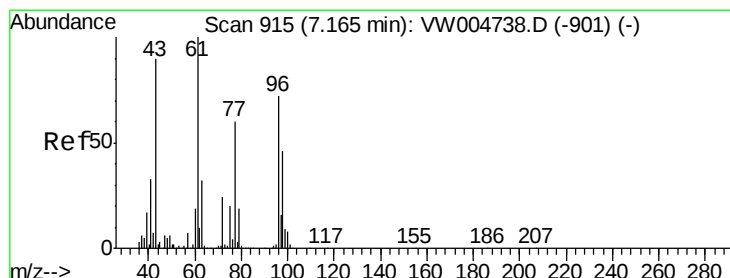
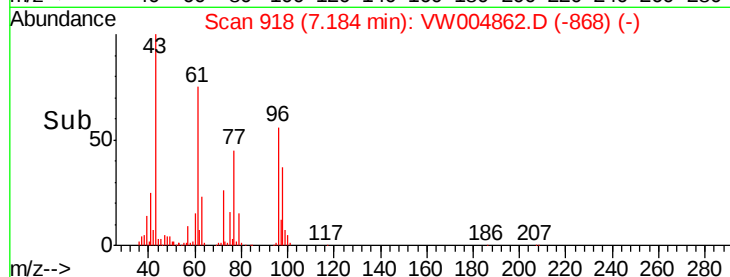
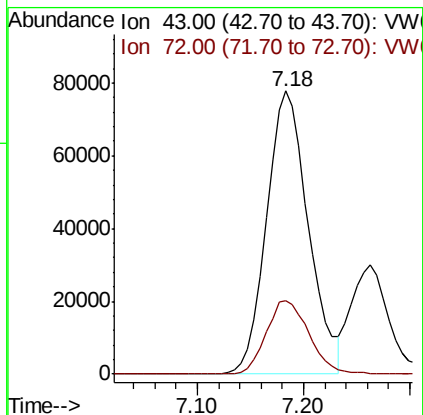
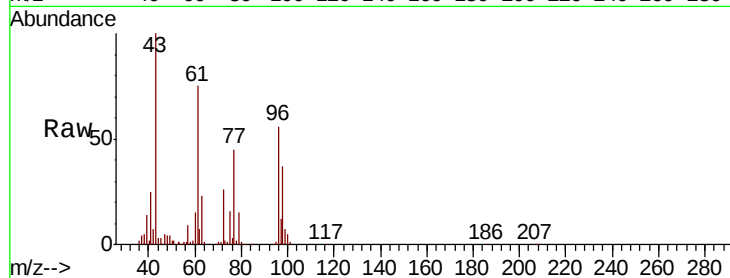
72 25.8 22.0 33.0

Manual Integrations

APPROVED

apatel

8/22/2018 11:25:31 AM



#26

2,2-Dichloropropane

Concen: 21.06 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW004862.D

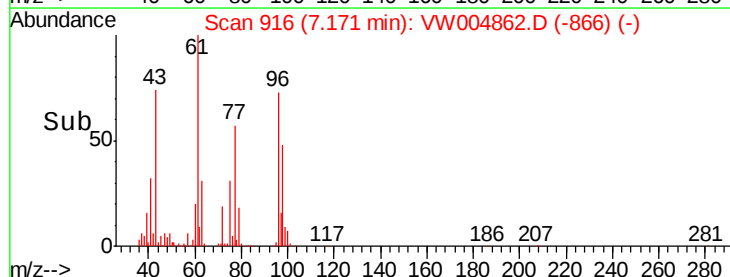
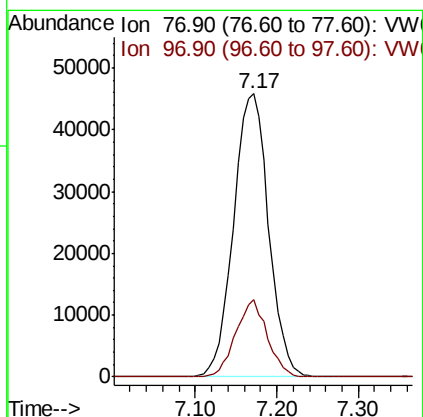
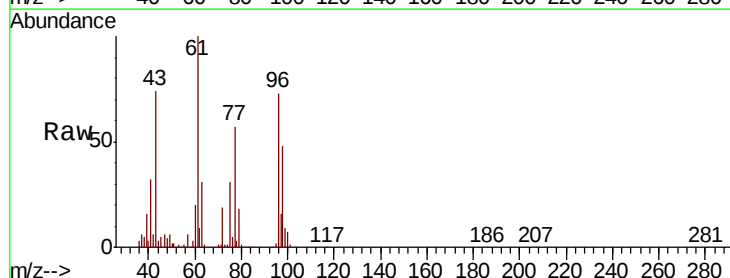
Acq: 22 Aug 2018 02:20

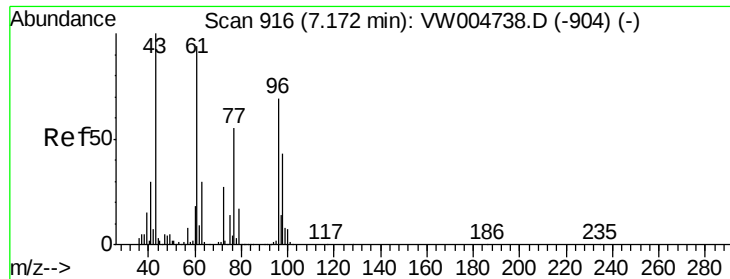
Tgt Ion: 77 Resp: 136094

Ion Ratio Lower Upper

77 100

97 24.6 12.6 37.8





#27

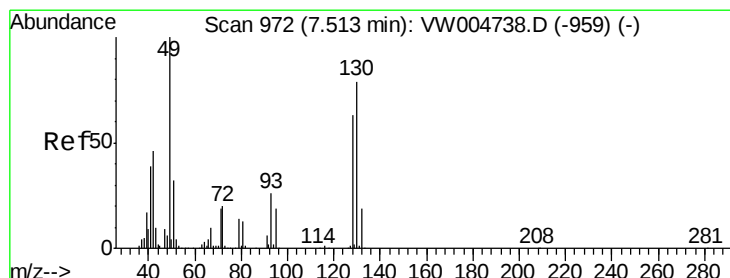
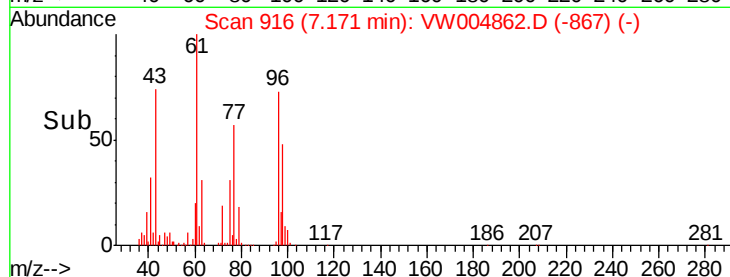
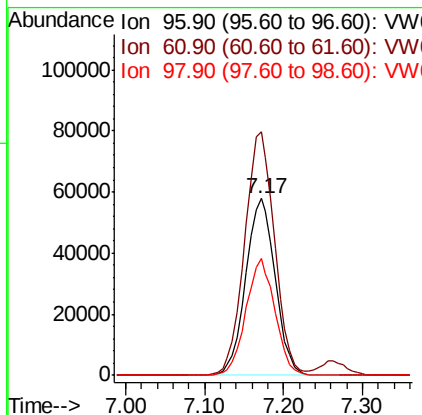
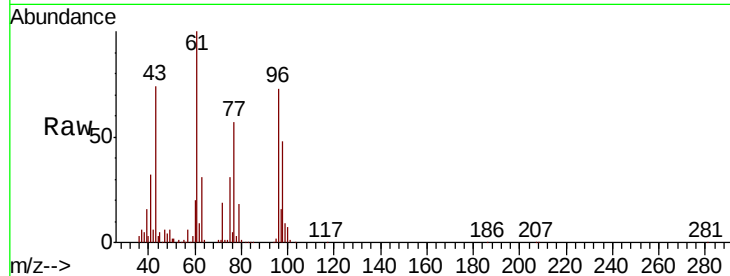
cis-1,2-Dichloroethene
Concen: 22.26 ug/l
RT: 7.17 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleID :
VW0821SBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.9	0.0	277.6
98	64.5	0.0	127.4

Manual Integrations
APPROVED

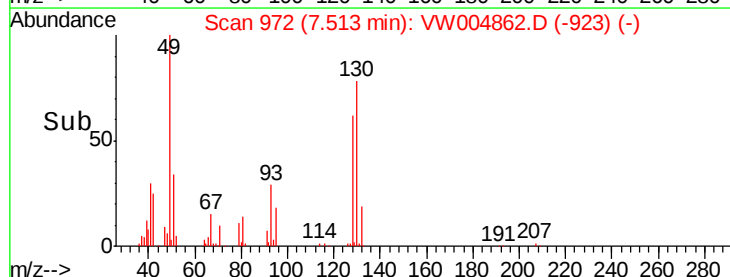
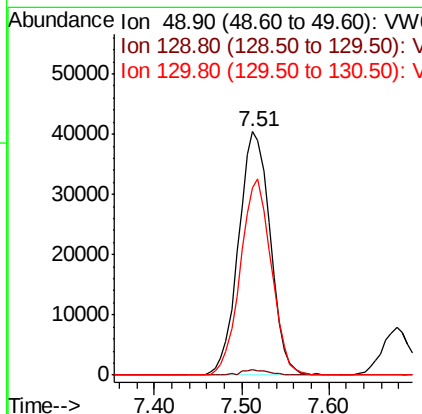
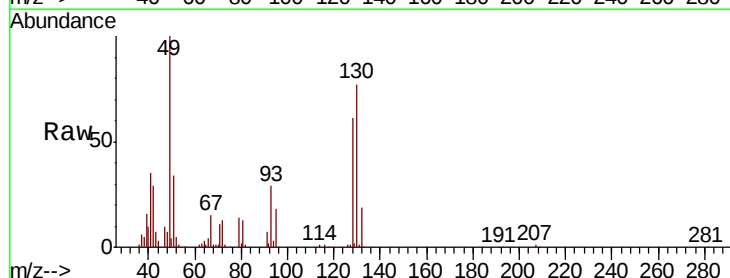
apatel
8/22/2018 11:25:31 AM

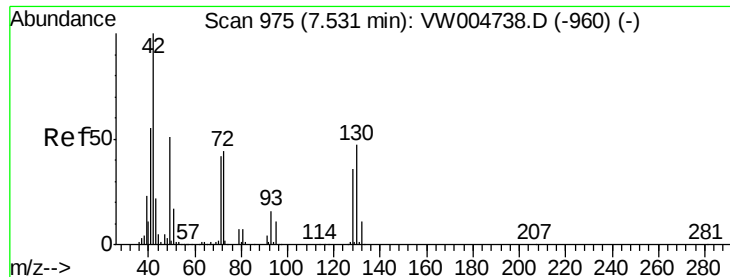


#28

Bromochloromethane
Concen: 21.57 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.4
130	78.9	63.7	95.5





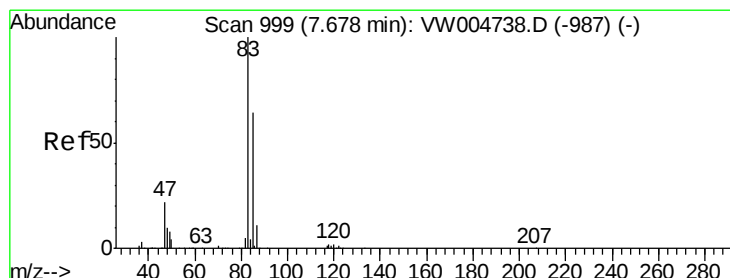
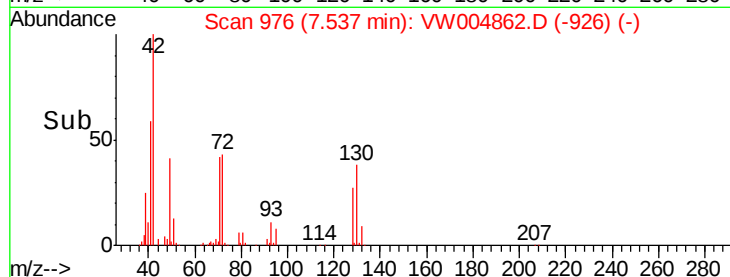
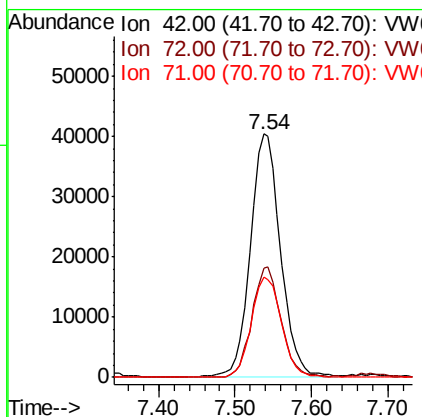
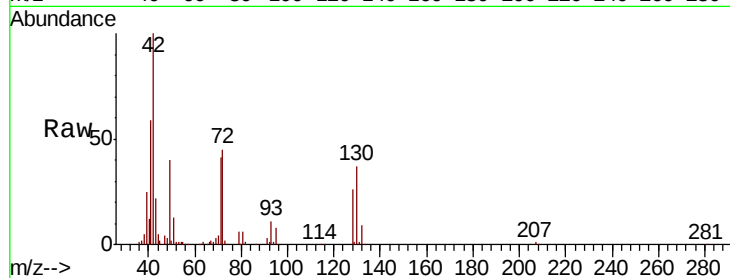
#29
Tetrahydrofuran
Concen: 107.53 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
VW0821SBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	34.9	52.3
71	41.4	33.8	50.6

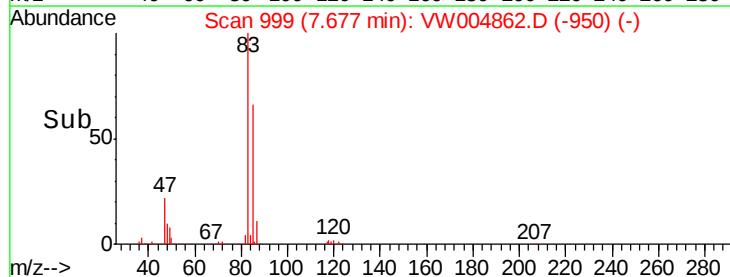
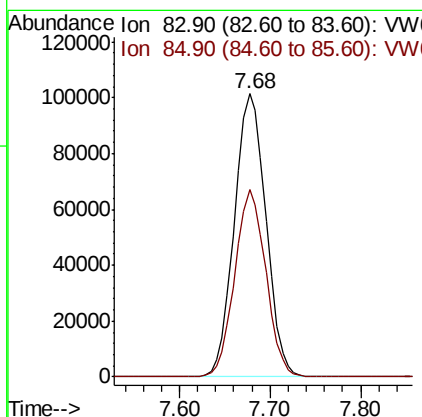
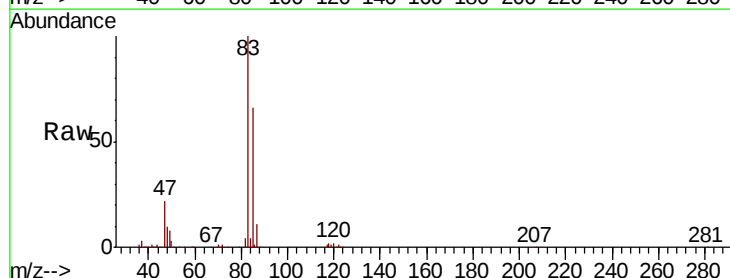
Manual Integrations
APPROVED

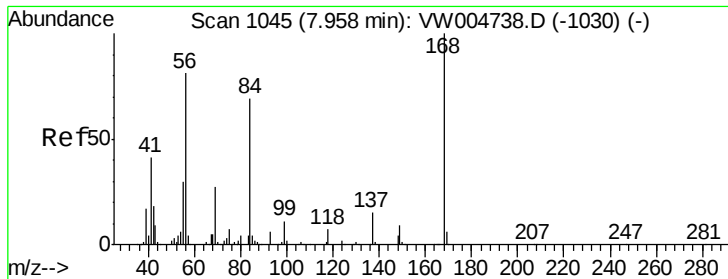
apatel
8/22/2018 11:25:31 AM



#30
Chloroform
Concen: 22.29 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.0	76.6





#31

Cyclohexane

Concen: 21.33 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

Instrument :

MSVOA_W

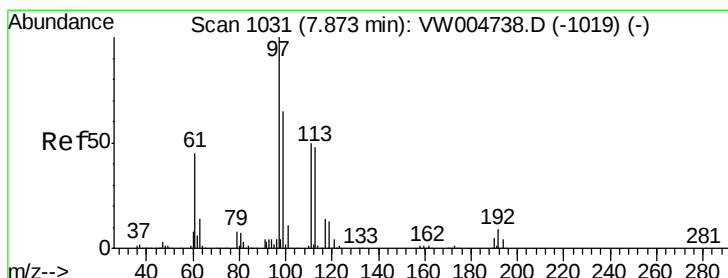
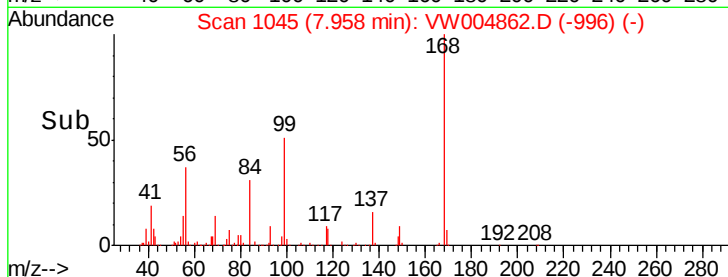
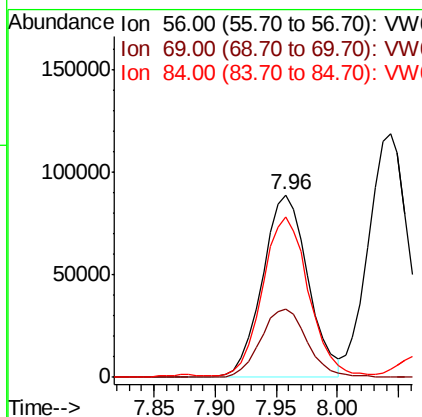
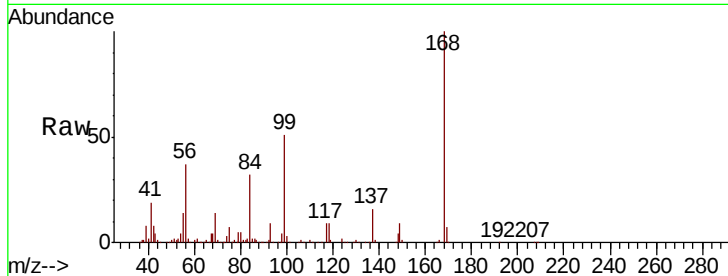
ClientSampleId :

VW0821SBS02

Tot Ion:	56	Resp:	230876
Ion	Ratio	Lower	Upper
56	100		
69	37.3	27.1	40.7
84	86.6	68.3	102.5

Manual Integrations
APPROVED

apatel
8/22/2018 11:25:31 AM



#32

1,1,1-Trichloroethane

Concen: 22.49 ug/l

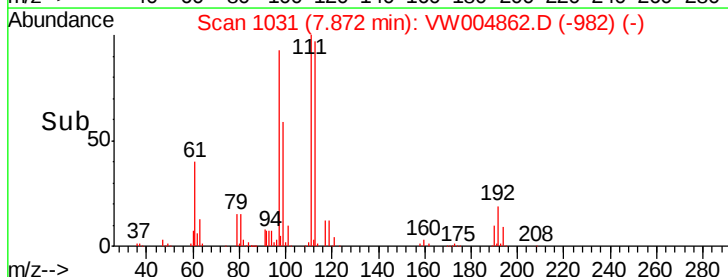
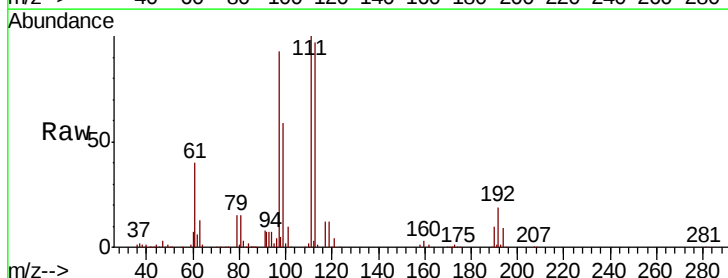
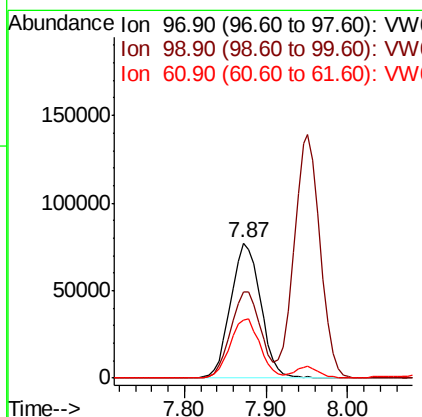
RT: 7.87 min Scan# 1031

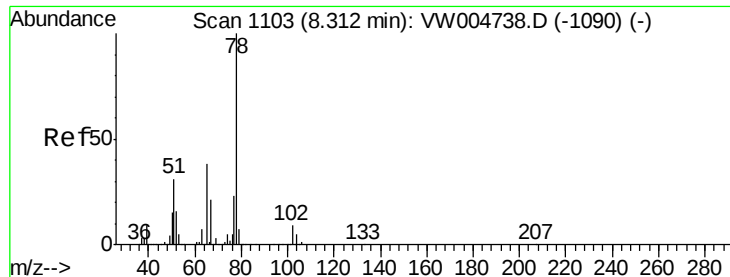
Delta R.T. -0.00 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

Tgt Ion:	97	Resp:	196190
Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.7	77.5
61	43.9	34.4	51.6





#33

1,2-Dichloroethane-d4

Concen: 53.66 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS02

Tot Ion: 65 Resp: 297191

Ion Ratio Lower Upper

65 100

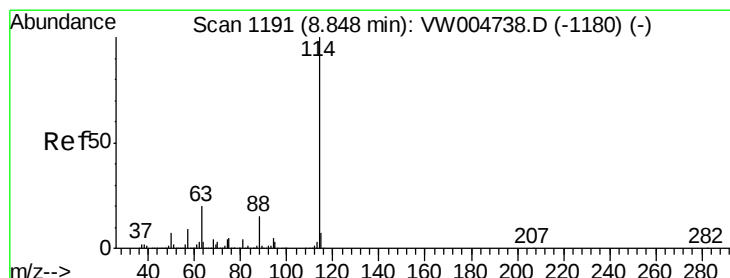
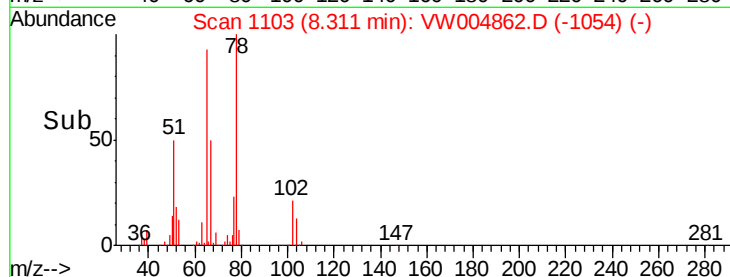
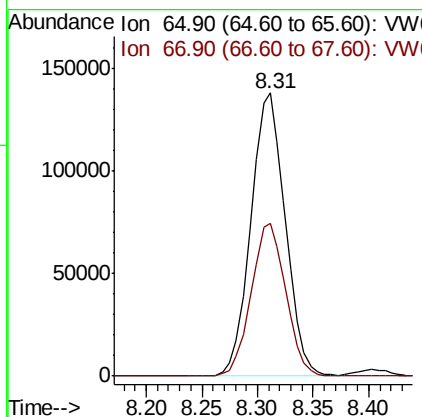
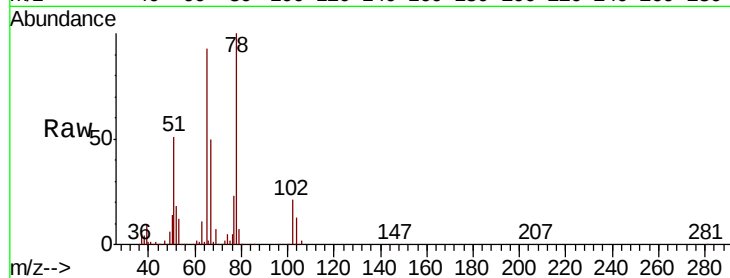
67 54.4 0.0 109.4

Manual Integrations

APPROVED

apatel

8/22/2018 11:25:31 AM



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

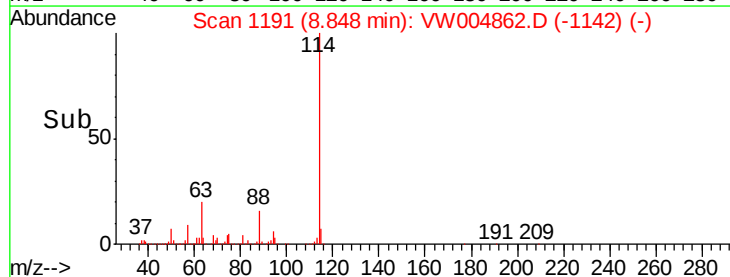
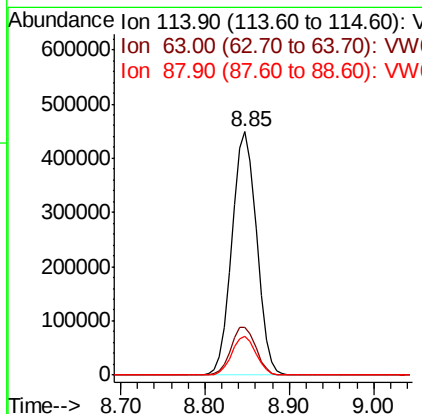
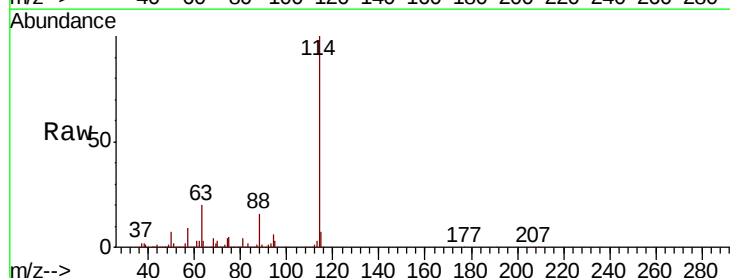
Tgt Ion: 114 Resp: 887940

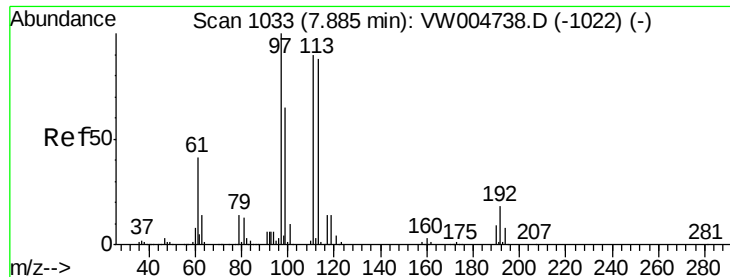
Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.0

88 16.0 0.0 30.0





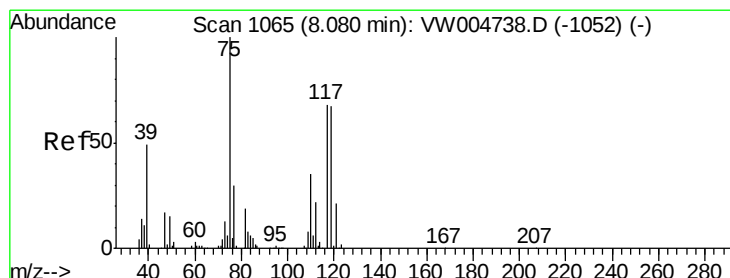
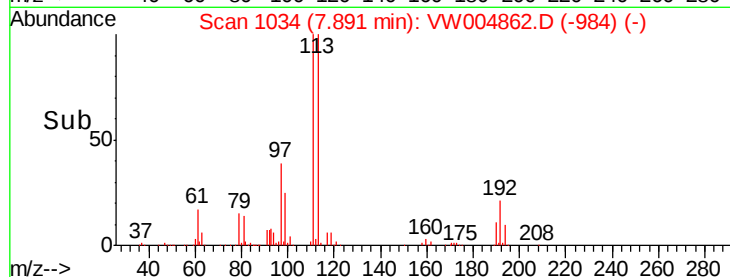
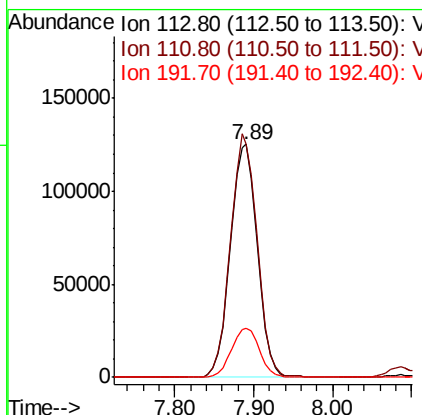
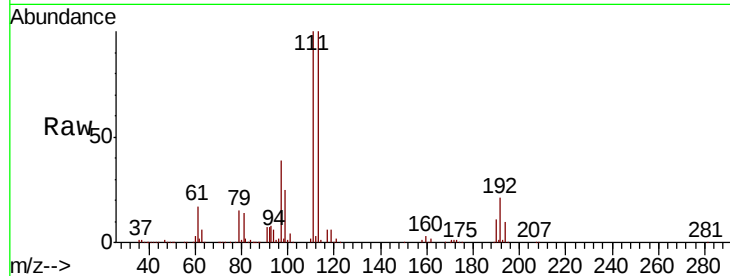
#35
 Dibromofluoromethane
 Concen: 52.58 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004862.D
 Acq: 22 Aug 2018 02:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	298390		
111	102.9	82.4	123.6	
192	21.5	16.7	25.1	

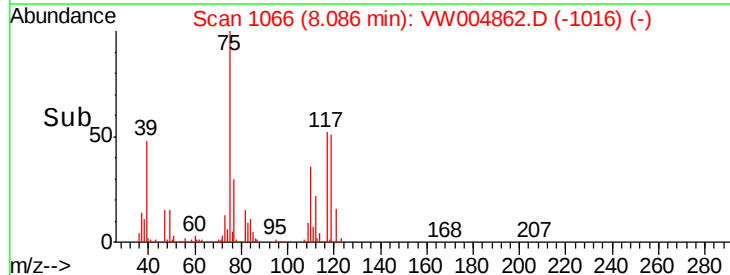
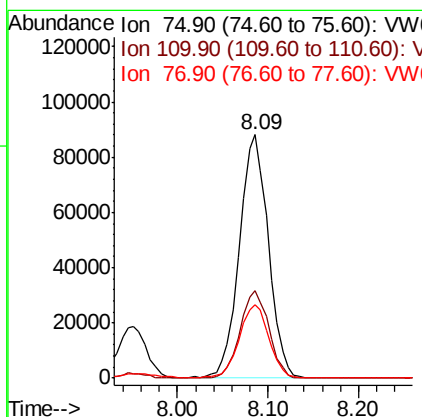
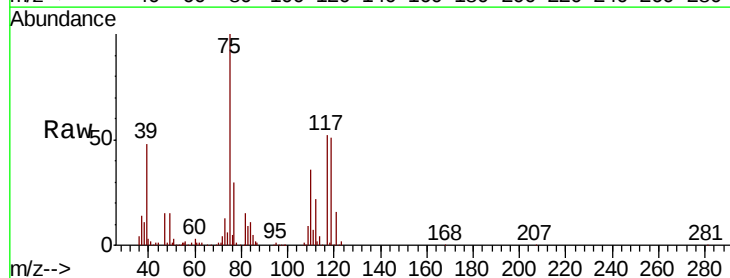
Manual Integrations
 APPROVED

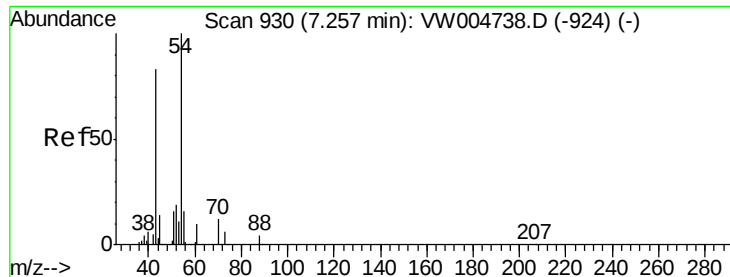
apatel
 8/22/2018 11:25:31 AM



#36
 1,1-Dichloropropene
 Concen: 21.27 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW004862.D
 Acq: 22 Aug 2018 02:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	194597		
110	35.6	17.8	53.5	
77	31.0	24.9	37.3	





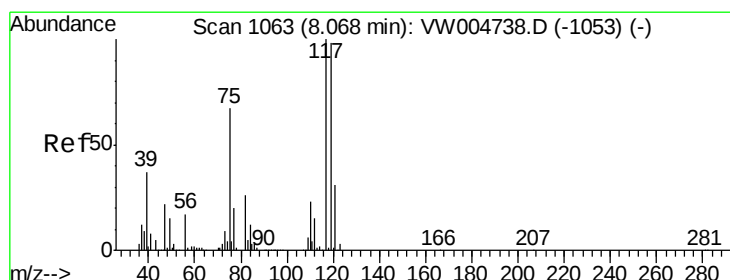
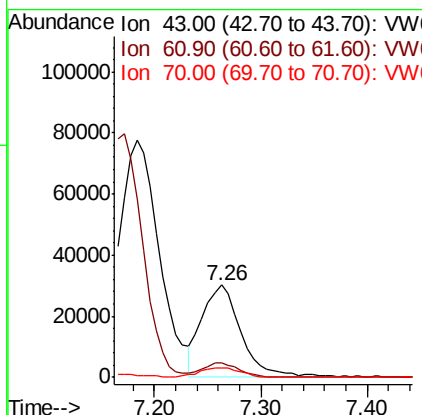
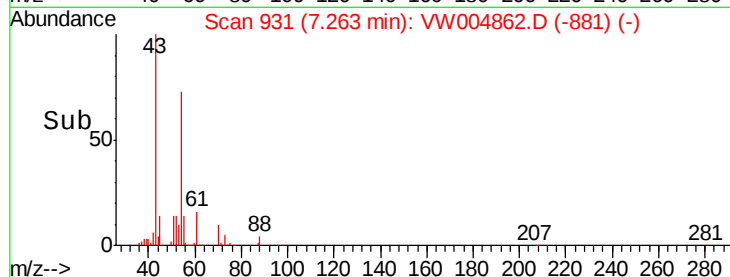
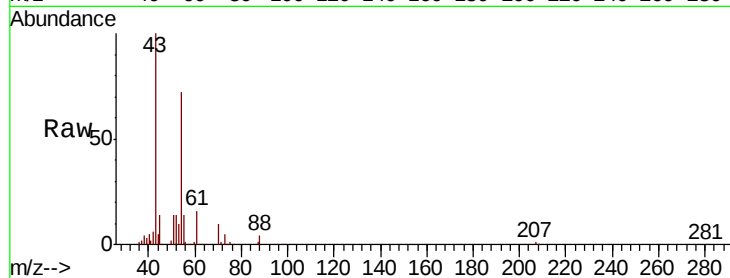
#37
Ethyl Acetate
Concen: 20.67 ug/l
RT: 7.26 min Scan# 931
Delta R.T. 0.01 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleID :
VW0821SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.6	17.4
70	11.3	9.2	13.8

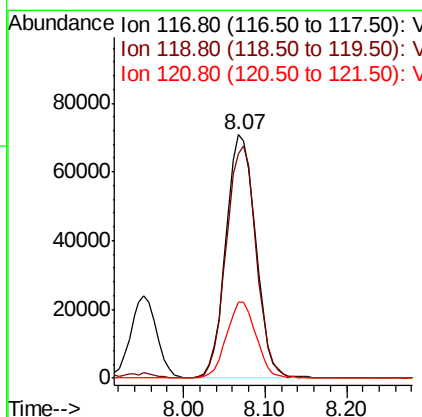
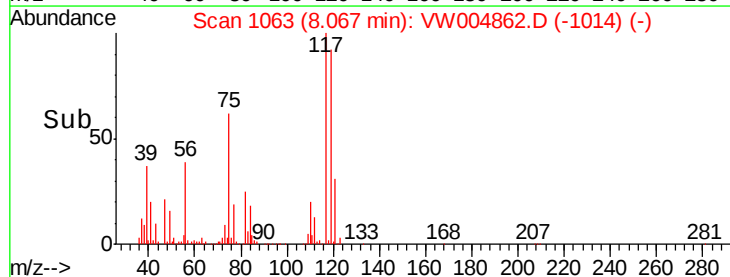
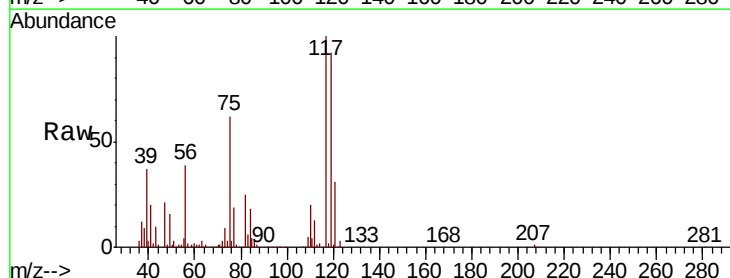
Manual Integrations
APPROVED

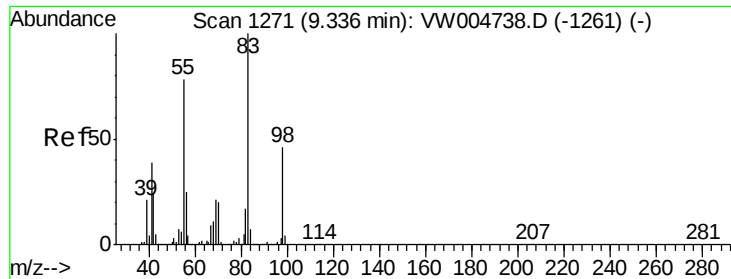
apatel
8/22/2018 11:25:31 AM



#38
Carbon Tetrachloride
Concen: 21.28 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.1	78.0	117.0
121	31.3	24.8	37.2





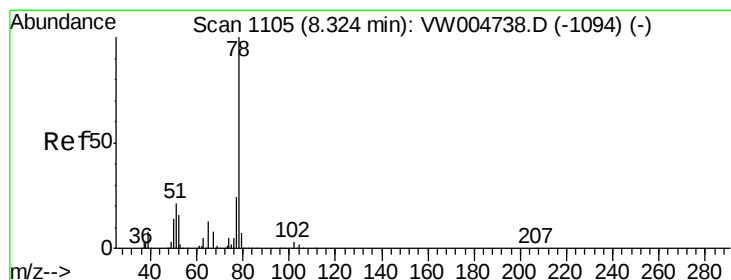
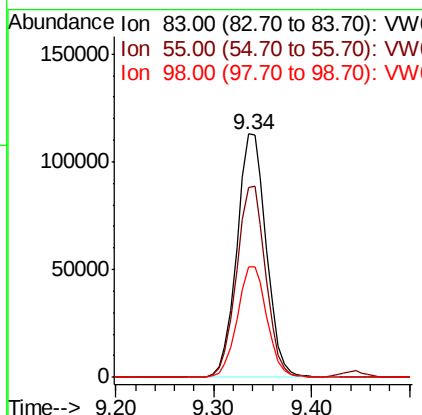
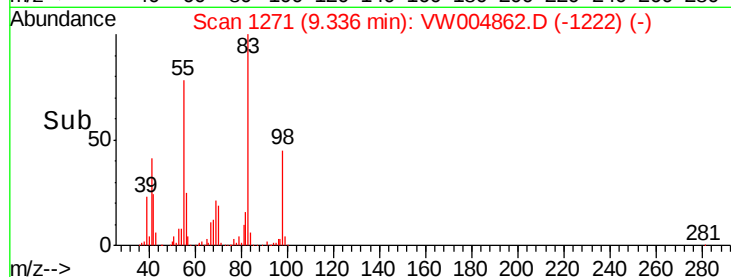
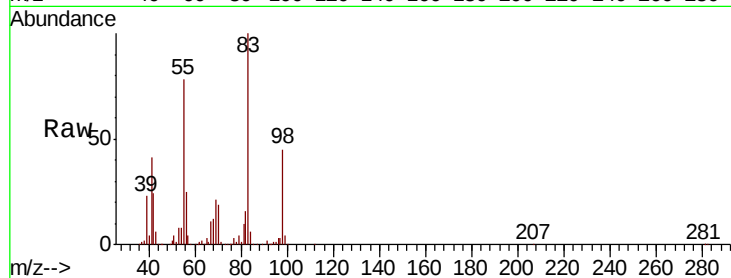
#39
Methvlcvclohexane
Concen: 20.52 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
VW0821SBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	62.4	93.6
98	45.3	36.5	54.7

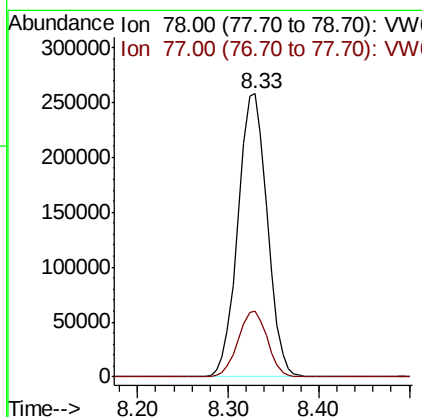
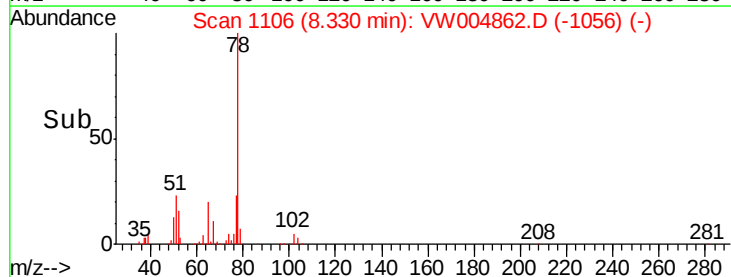
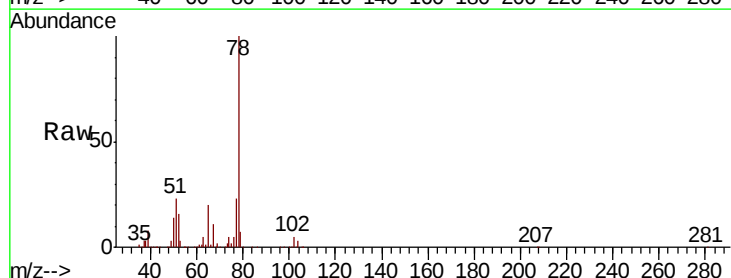
Manual Integrations
APPROVED

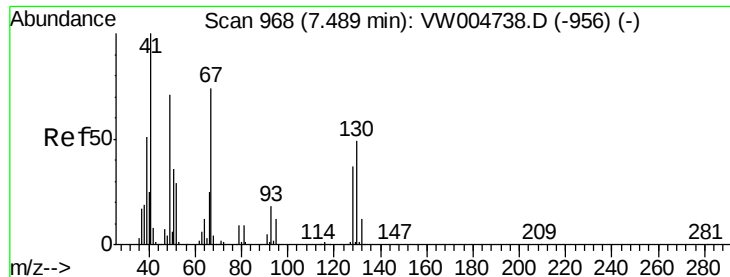
apatel
8/22/2018 11:25:31 AM



#40
Benzene
Concen: 21.73 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.6





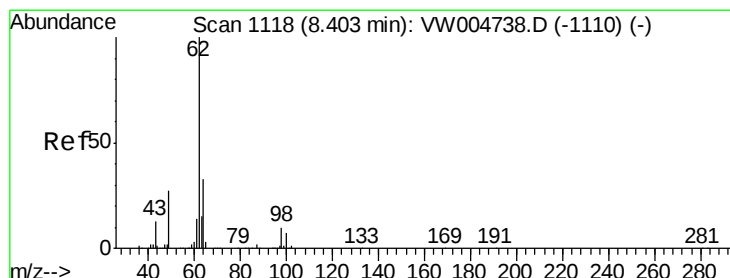
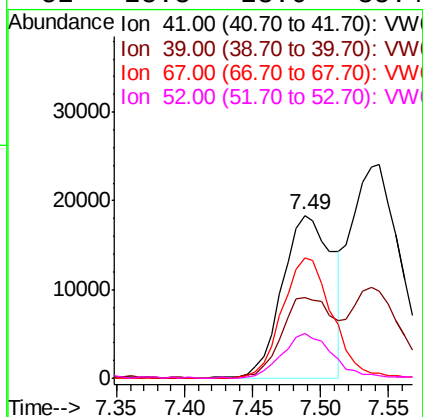
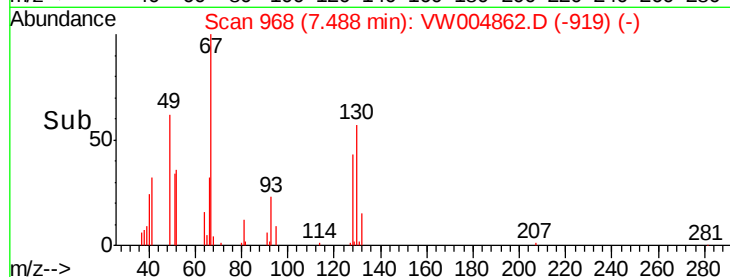
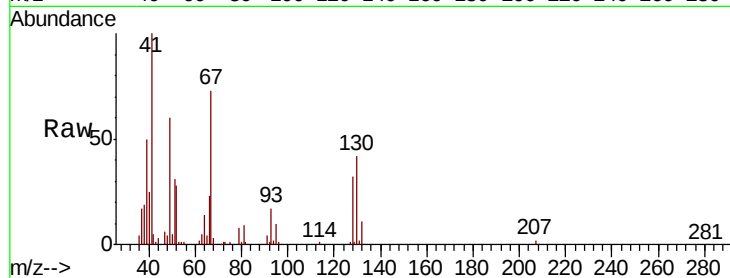
#41
Methacrylonitrile
Concen: 22.92 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.3	41.0	61.4
67	73.1	59.5	89.3
52	28.3	23.6	35.4

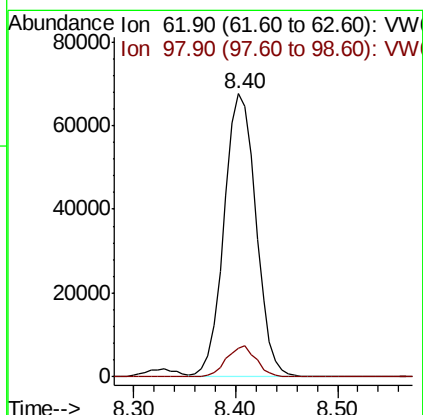
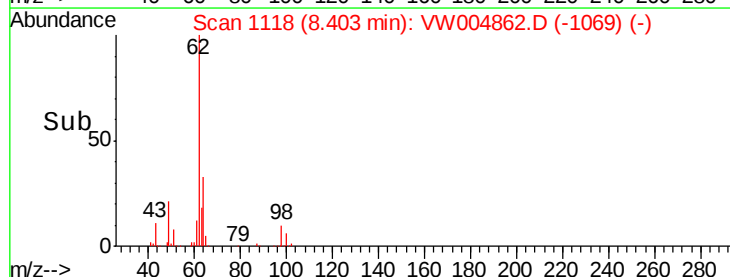
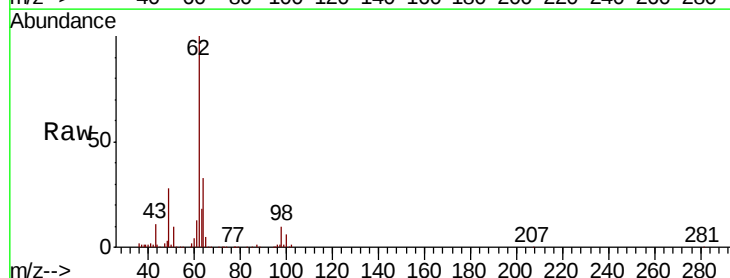
Manual Integrations
APPROVED

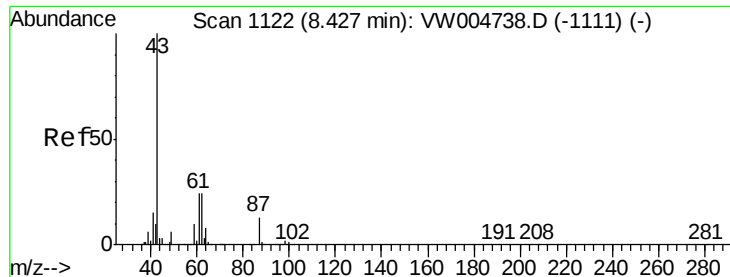
apatel
8/22/2018 11:25:31 AM



#42
1,2-Dichloroethane
Concen: 21.51 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.2





#43

Isopropyl Acetate

Concen: 20.87 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

Instrument :

MSVOA_W

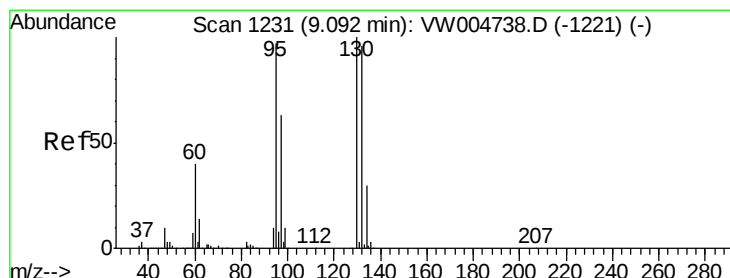
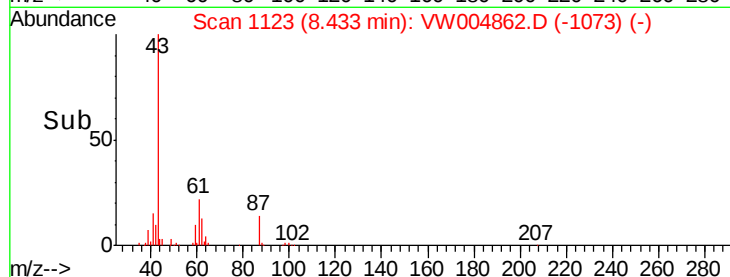
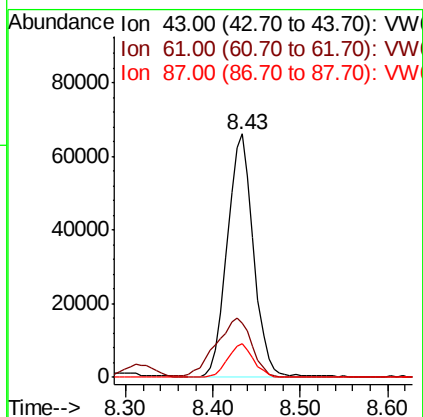
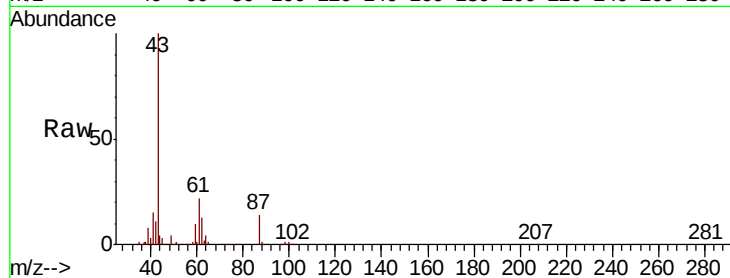
ClientSampleId :

VW0821SBS02

Tot Ion	43	Resp	136706
Ion Ratio	Lower	Upper	
43	100		
61	33.6	26.2	39.4
87	13.5	10.9	16.3

Manual Integrations
APPROVED

apatel
8/22/2018 11:25:31 AM



#44

Trichloroethene

Concen: 21.70 ug/l

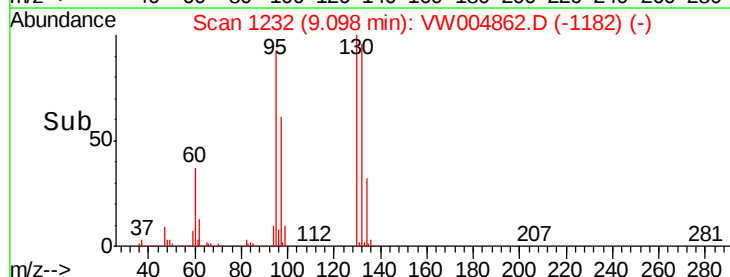
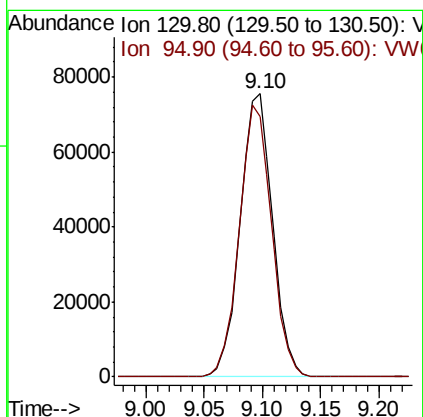
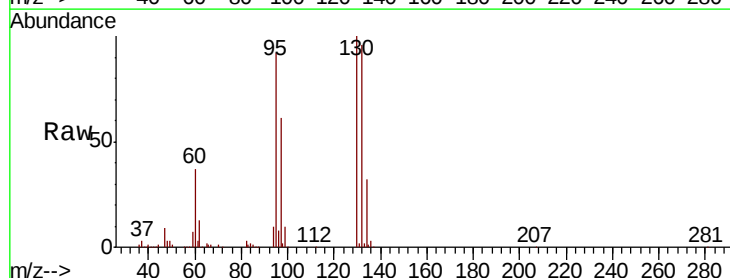
RT: 9.10 min Scan# 1232

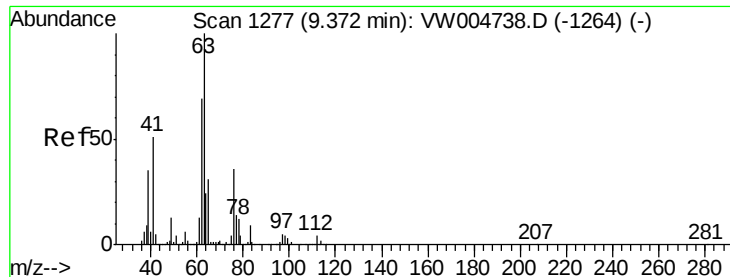
Delta R.T. 0.01 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

Tgt Ion	130	Resp	146436
Ion Ratio	Lower	Upper	
130	100		
95	91.8	0.0	194.4





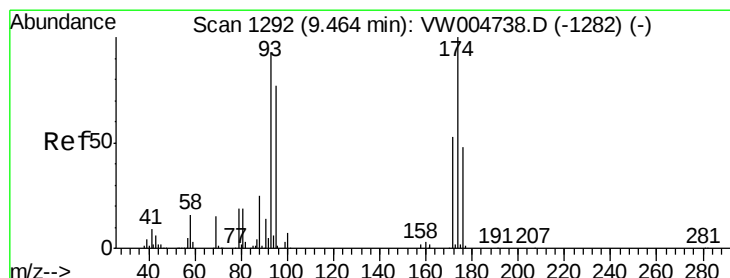
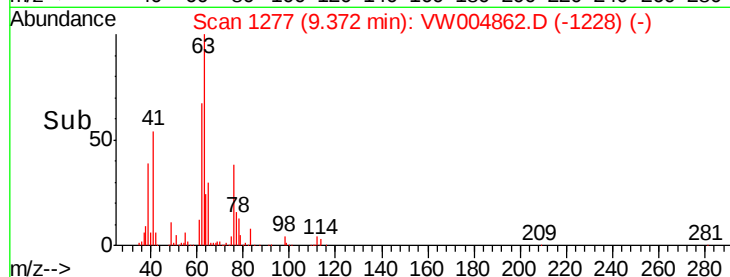
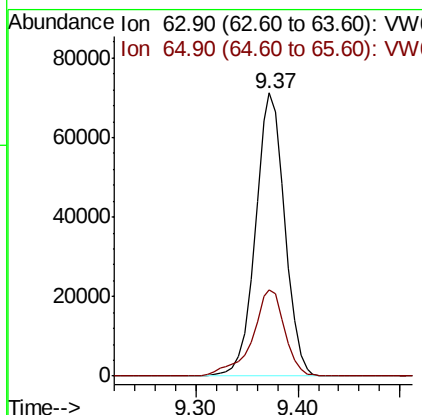
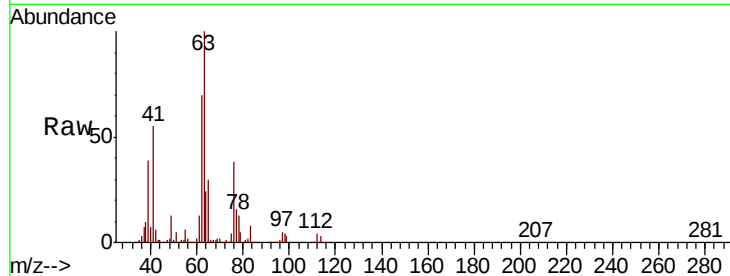
#45
 1,2-Dichloropropane
 Concen: 21.81 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004862.D
 Acq: 22 Aug 2018 02:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.6	37.0

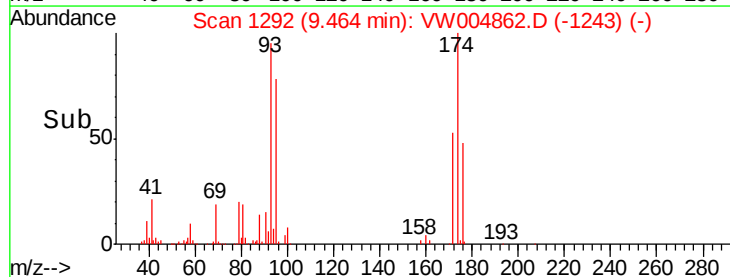
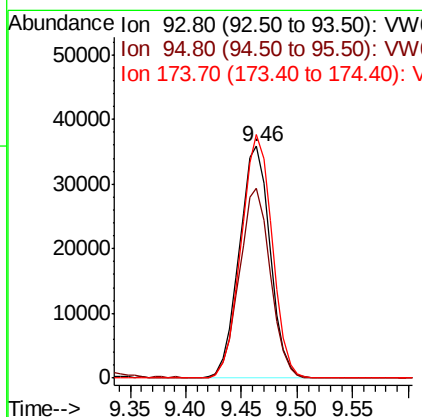
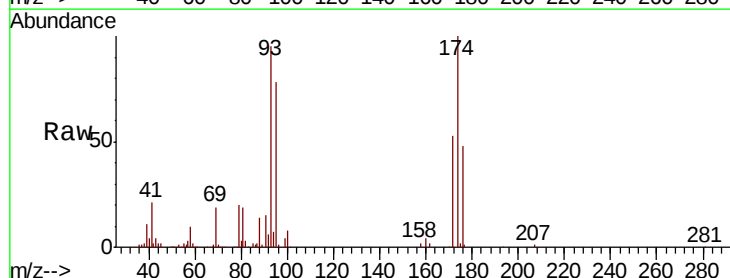
Manual Integrations
 APPROVED

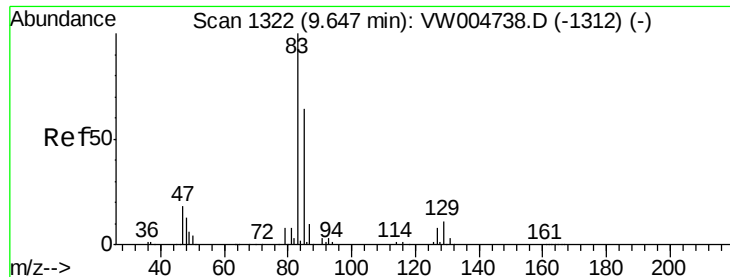
apatel
 8/22/2018 11:25:31 AM



#46
 Dibromomethane
 Concen: 21.46 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW004862.D
 Acq: 22 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	66.6	99.8
174	105.7	85.3	127.9





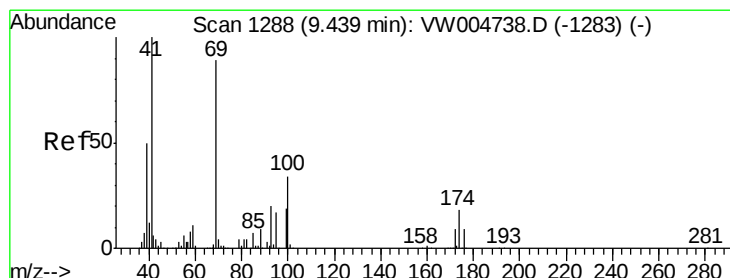
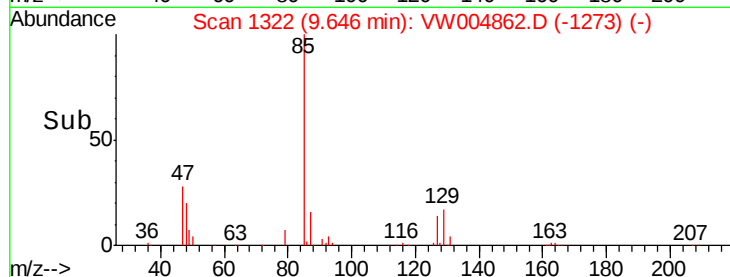
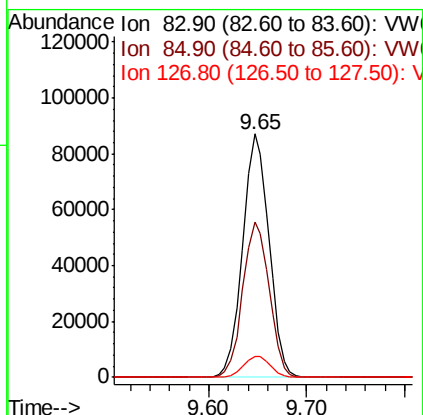
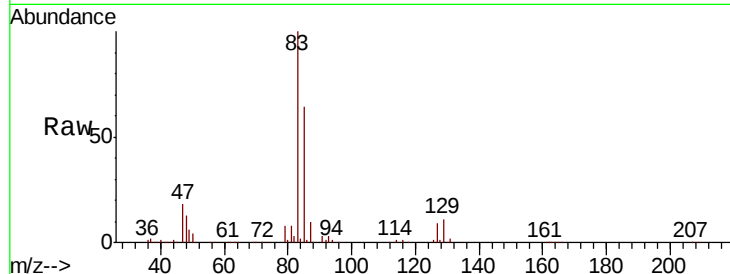
#47
Bromodichloromethane
Concen: 21.16 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
VW0821SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	162785		
85	63.6	51.2	76.8	
127	8.7	6.7	10.1	

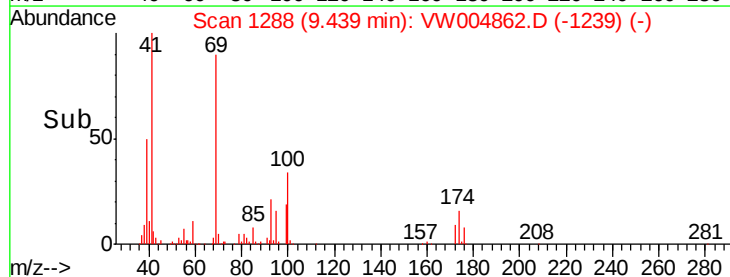
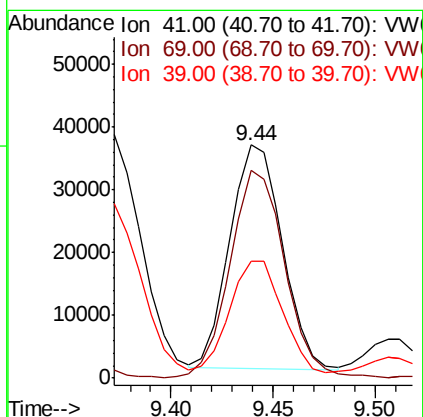
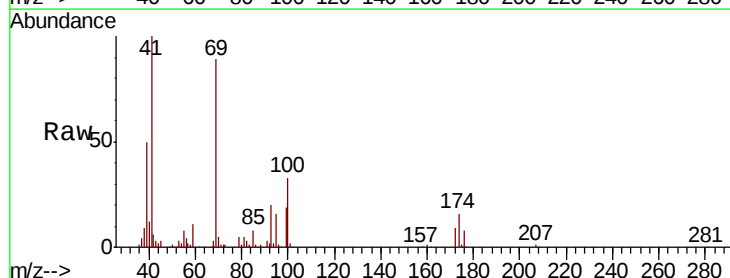
Manual Integrations
APPROVED

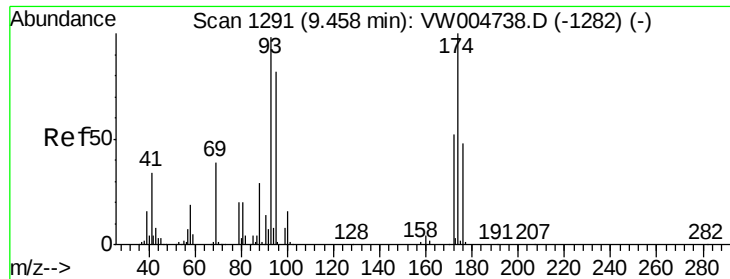
apatel
8/22/2018 11:25:31 AM



#48
Methyl methacrylate
Concen: 20.81 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	63947		
69	96.6	75.2	112.8	
39	54.6	39.8	59.6	





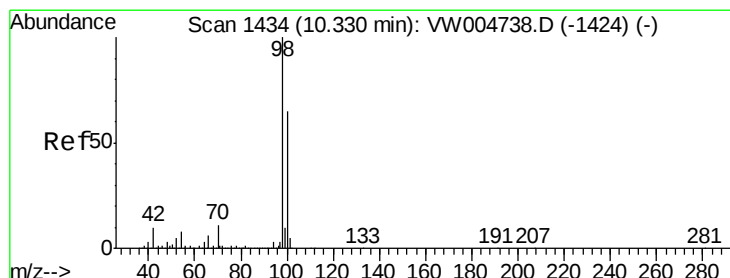
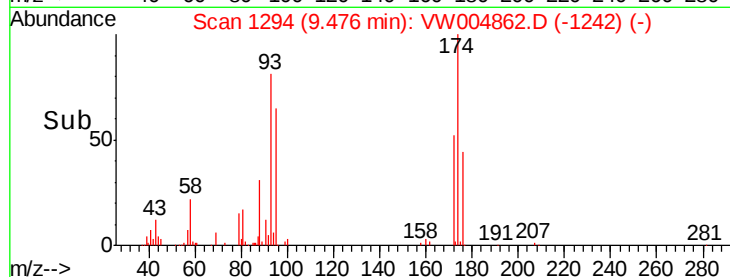
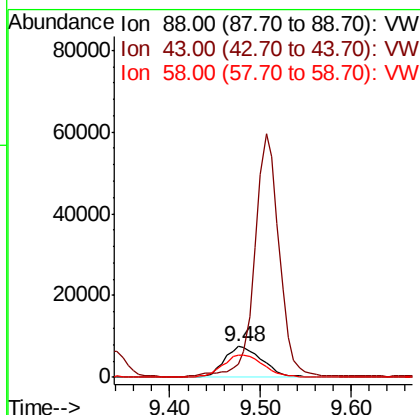
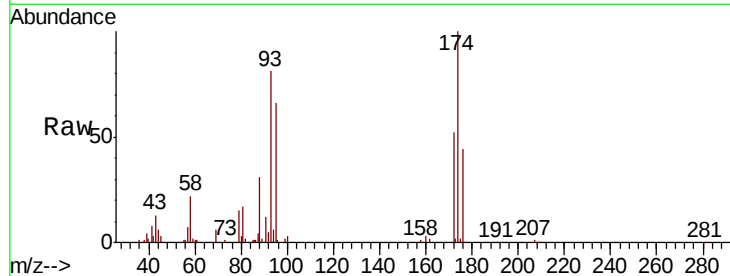
#49
1,4-Dioxane
Concen: 466.66 ug/l
RT: 9.48 min Scan# 1294
Delta R.T. 0.02 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	22.9	34.3#
58	78.2	60.0	90.0

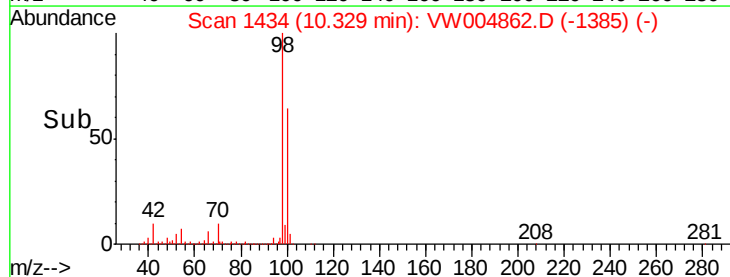
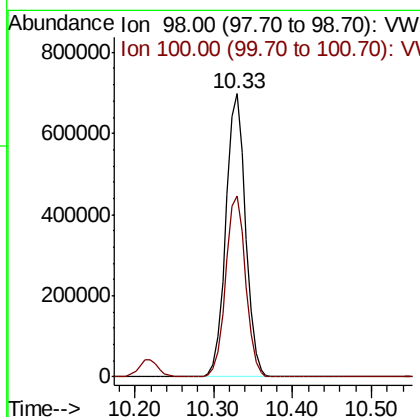
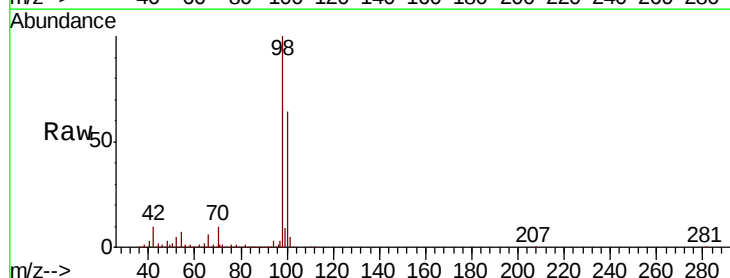
Manual Integrations
APPROVED

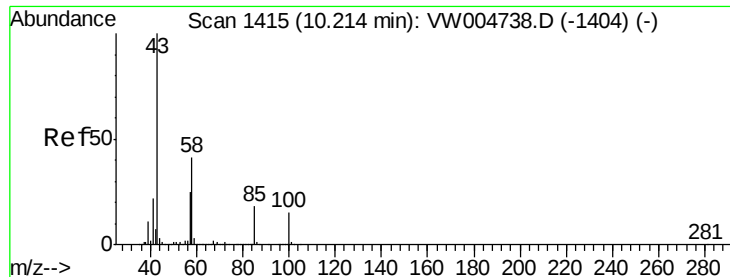
apatel
8/22/2018 11:25:31 AM



#50
Toluene-d8
Concen: 54.45 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 107.96 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS02

Tot Ion: 43 Resp: 477879

Ion Ratio Lower Upper

43 100

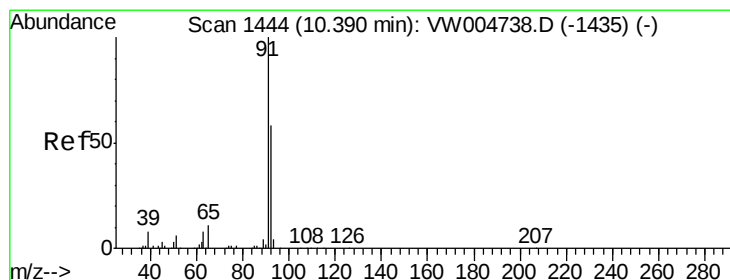
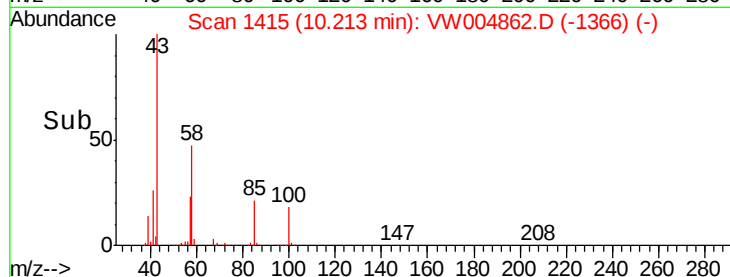
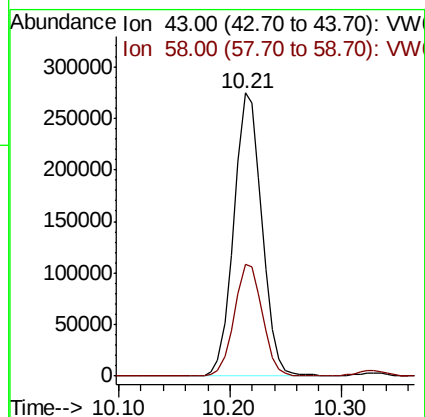
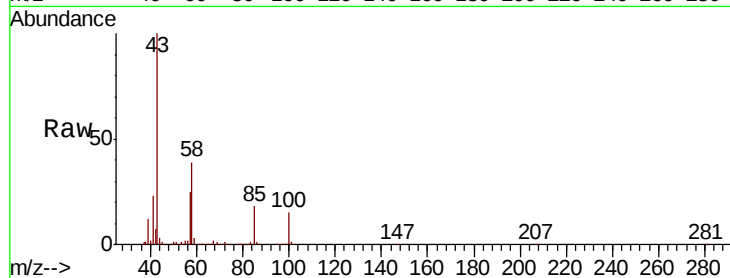
58 39.7 32.7 49.1

Manual Integrations

APPROVED

apatel

8/22/2018 11:25:31 AM



#52

Toluene

Concen: 22.15 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004862.D

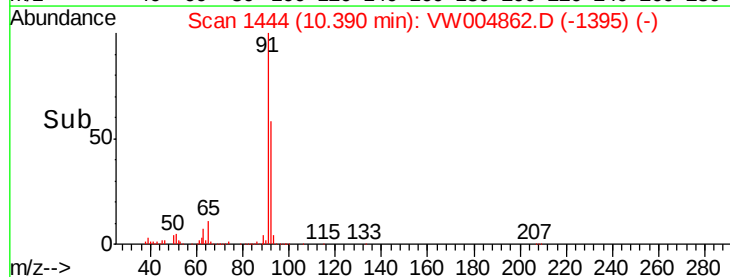
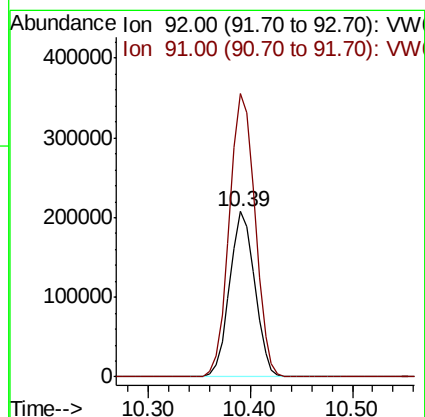
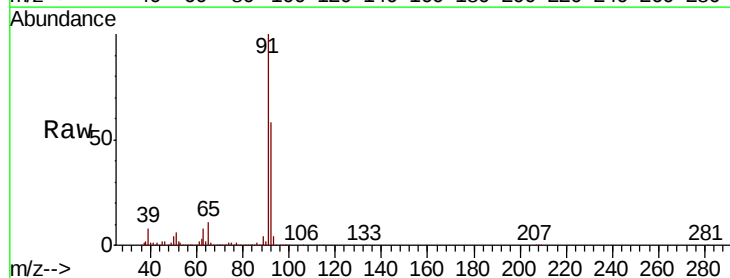
Acq: 22 Aug 2018 02:20

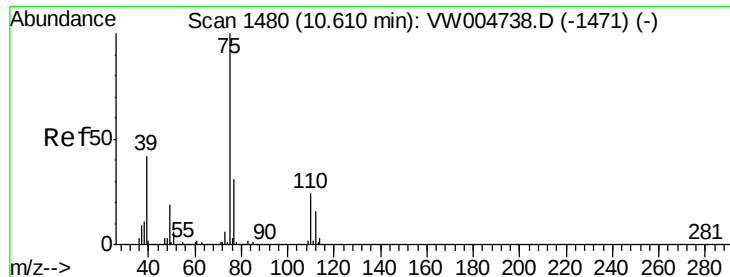
Tgt Ion: 92 Resp: 353195

Ion Ratio Lower Upper

92 100

91 175.3 138.3 207.5





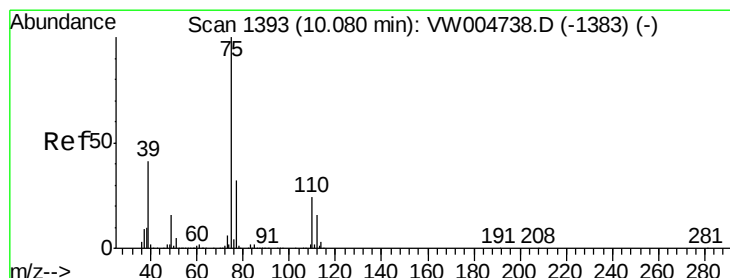
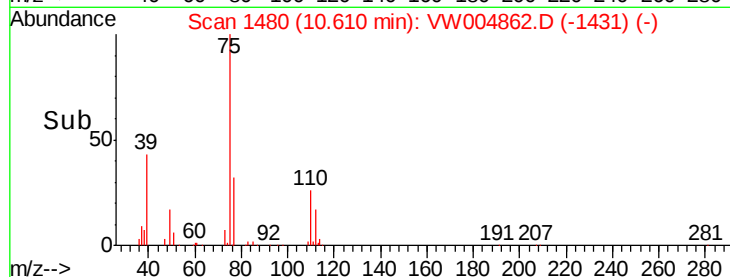
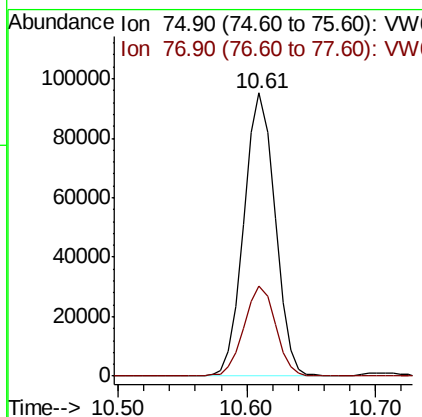
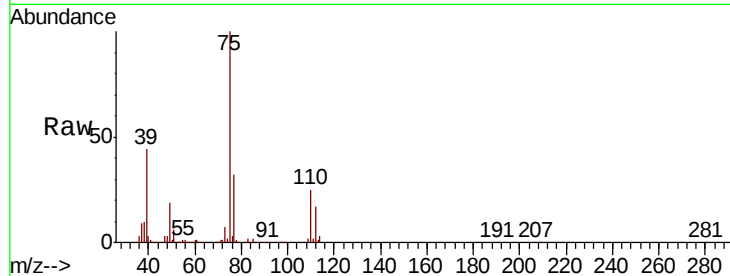
#53
 t-1,3-Dichloropropene
 Concen: 20.58 ug/l
 RT: 10.61 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VW004862.D
 Acq: 22 Aug 2018 02:20

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0821SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.8	37.2

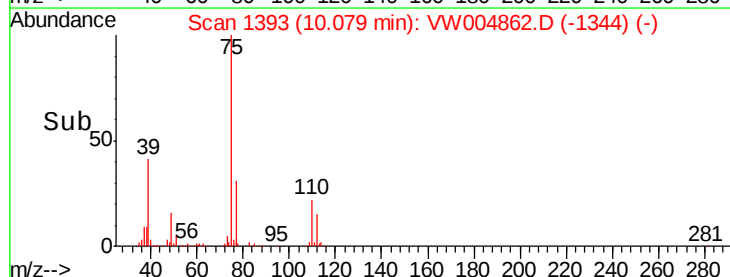
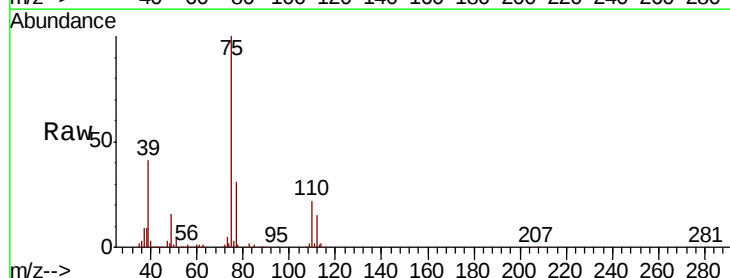
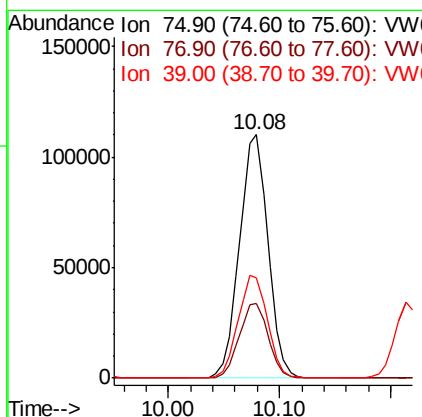
Manual Integrations
 APPROVED

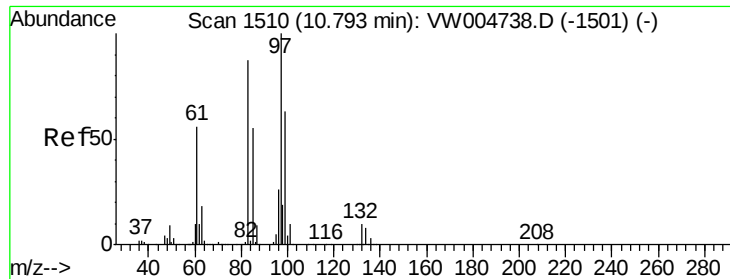
apatel
 8/22/2018 11:25:31 AM



#54
 cis-1,3-Dichloropropene
 Concen: 21.17 ug/l
 RT: 10.08 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VW004862.D
 Acq: 22 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.6	38.4
39	41.2	33.0	49.4





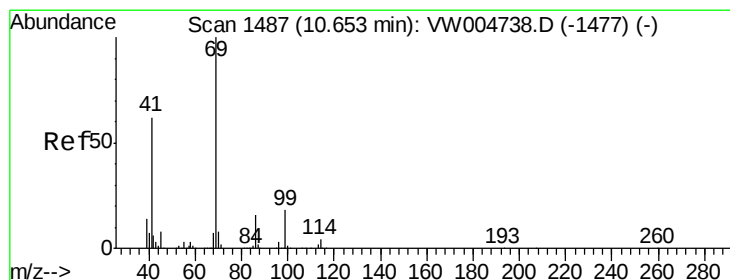
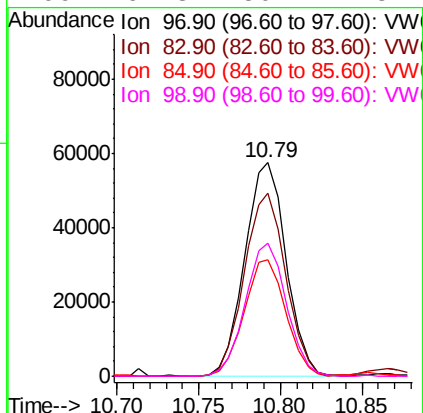
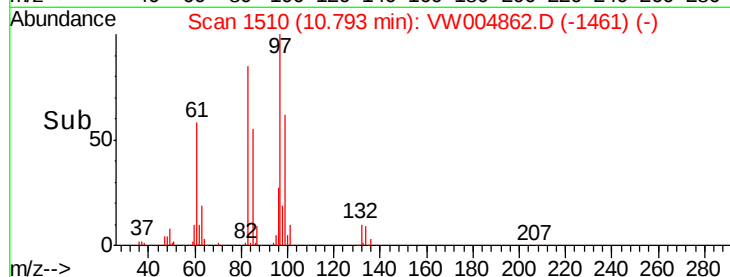
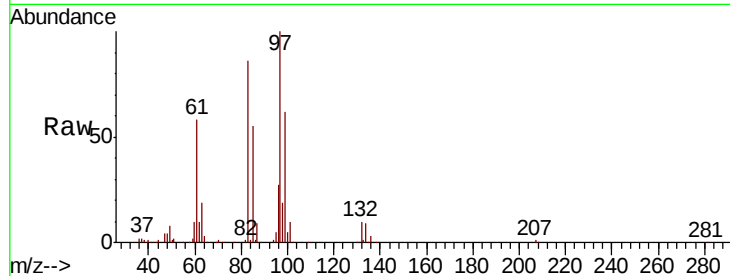
#55
 1,1,2-Trichloroethane
 Concen: 22.13 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004862.D
 Acq: 22 Aug 2018 02:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		101323		
83	85.6	69.4	104.2		
85	54.5	44.3	66.5		
99	62.3	50.2	75.2		

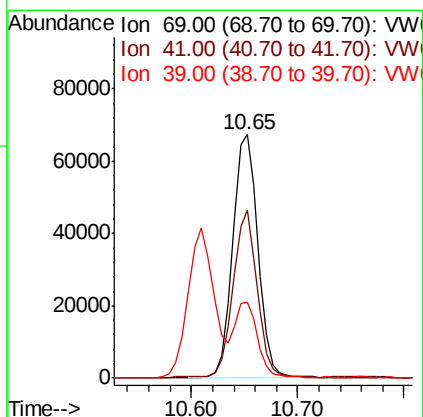
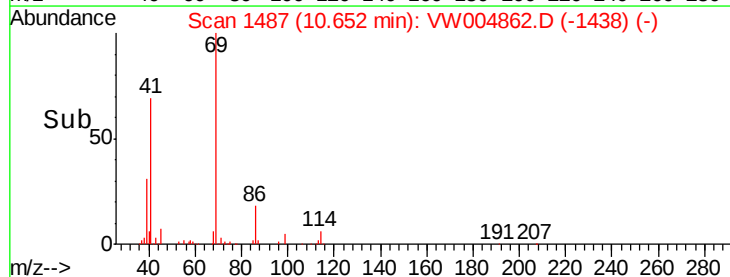
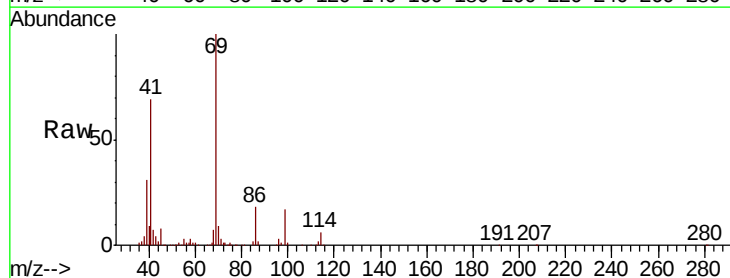
Manual Integrations
 APPROVED

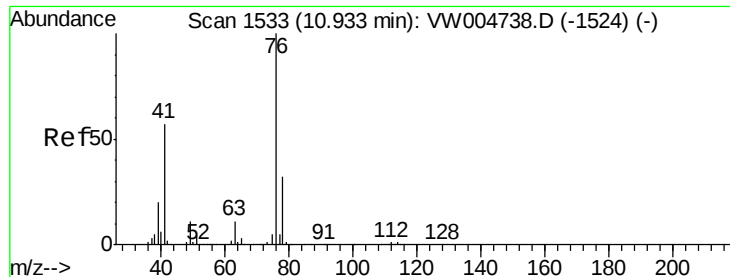
apatel
 8/22/2018 11:25:31 AM



#56
 Ethyl methacrylate
 Concen: 20.64 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004862.D
 Acq: 22 Aug 2018 02:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		112376		
41	64.9	50.7	76.1		
39	27.7	21.4	32.2		





#57

1,3-Dichloropropane

Concen: 21.91 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.01 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS02

Tot Ion: 76 Resp: 173183

Ion Ratio Lower Upper

76 100

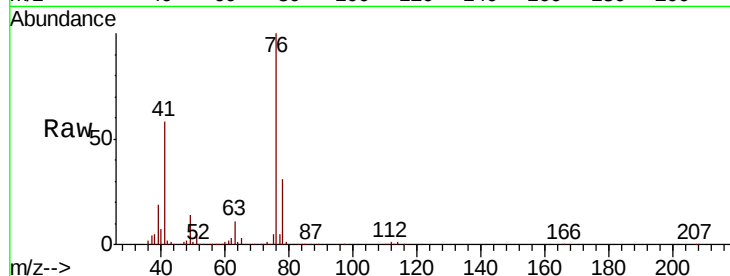
78 31.7 25.9 38.9

Manual Integrations

APPROVED

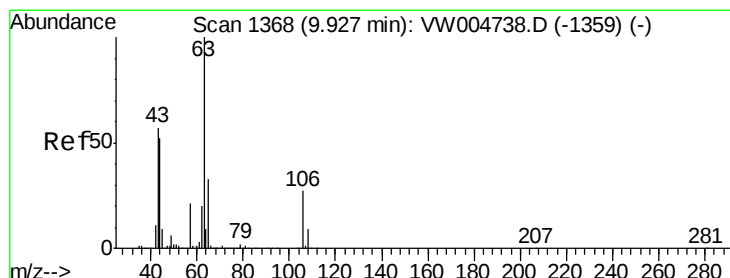
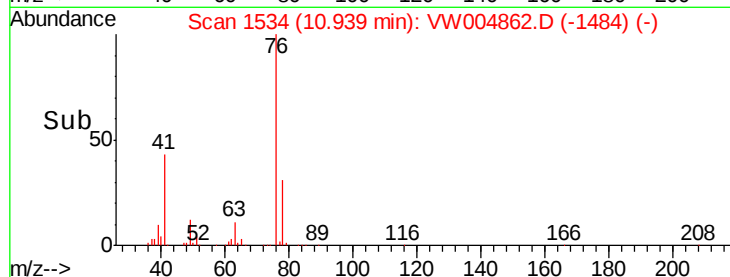
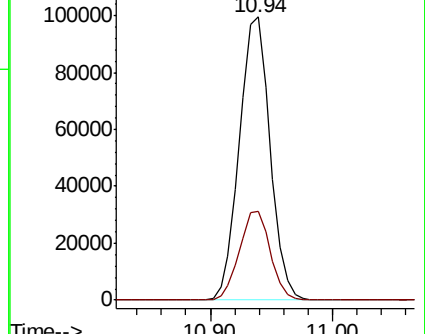
apatel

8/22/2018 11:25:31 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 112.21 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VW004862.D

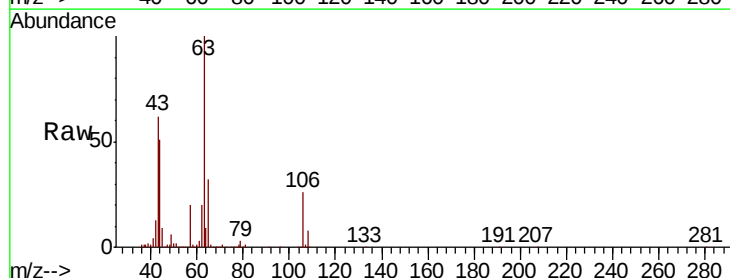
Acq: 22 Aug 2018 02:20

Tgt Ion: 63 Resp: 283769

Ion Ratio Lower Upper

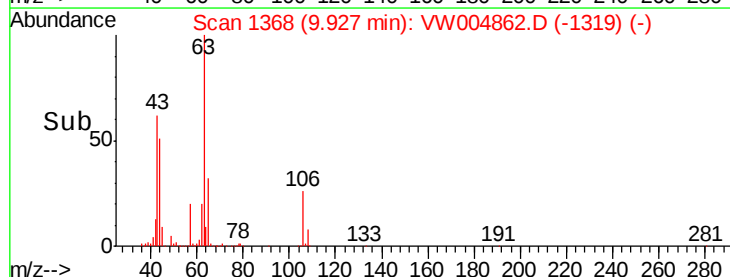
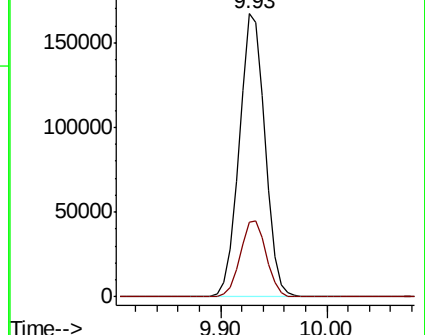
63 100

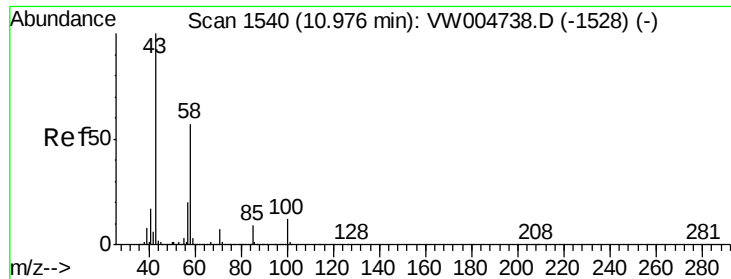
106 27.1 22.1 33.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V





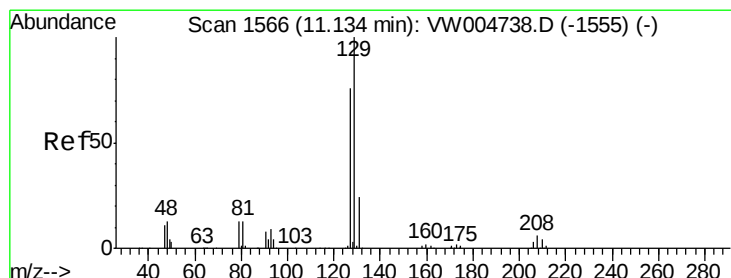
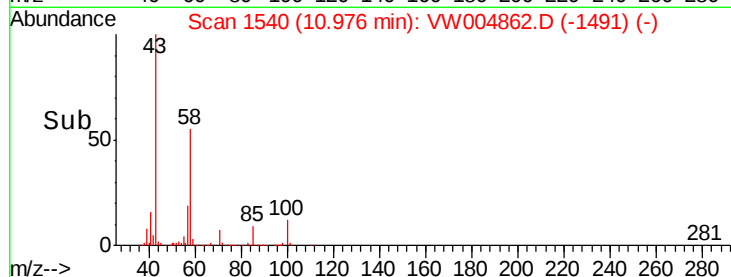
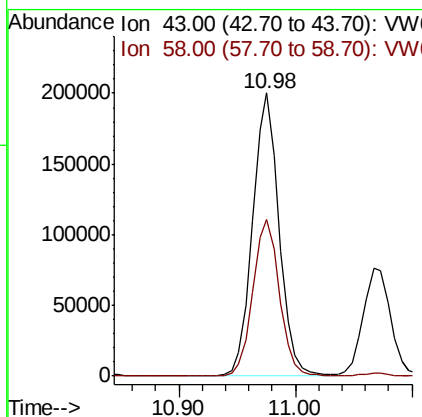
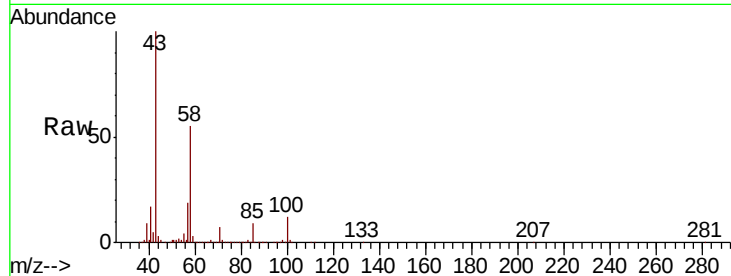
#59
2-Hexanone
Concen: 105.84 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS02

Tot Ion: 43 Resp: 317453
Ion Ratio Lower Upper
43 100
58 55.7 28.1 84.4

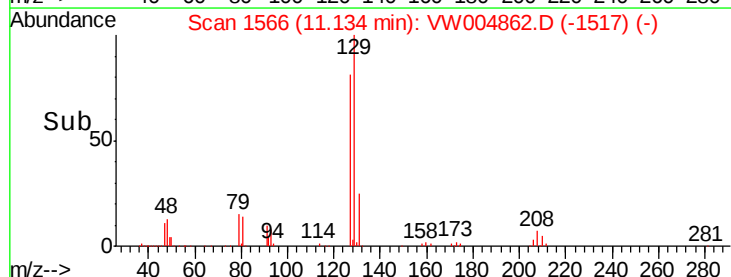
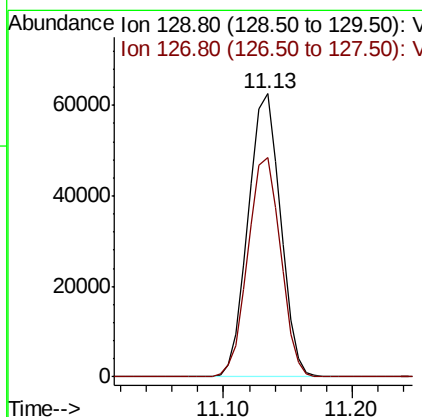
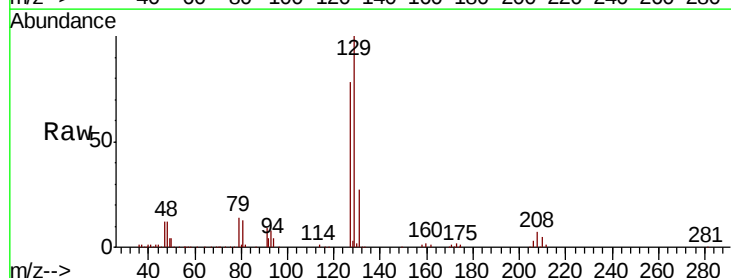
Manual Integrations
APPROVED

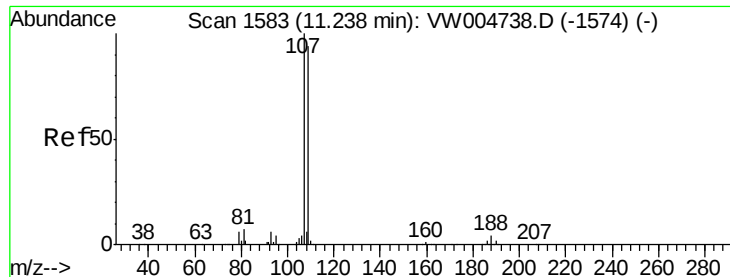
apatel
8/22/2018 11:25:31 AM



#60
Dibromochloromethane
Concen: 21.12 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Tgt Ion: 129 Resp: 108530
Ion Ratio Lower Upper
129 100
127 78.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 21.28 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS02

Tot Ion: 107 Resp: 93130

Ion Ratio Lower Upper

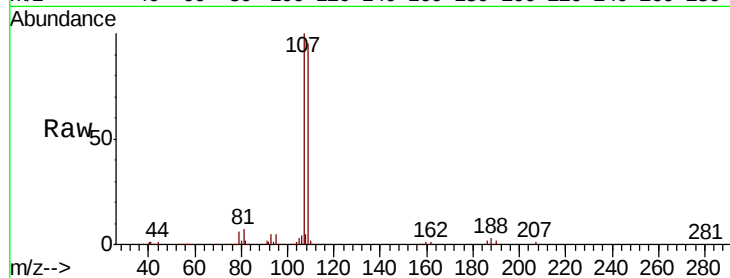
107 100

109 95.0 75.5 113.3

Manual Integrations
APPROVED

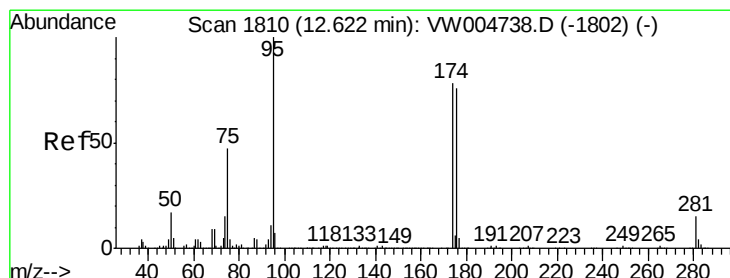
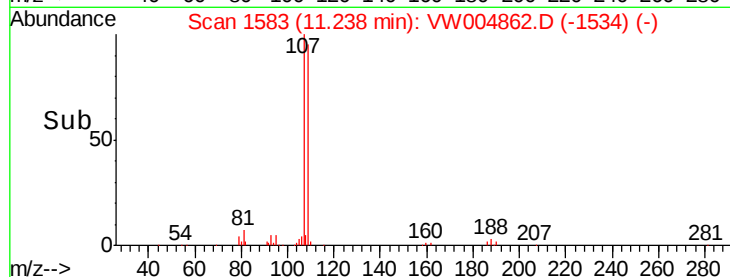
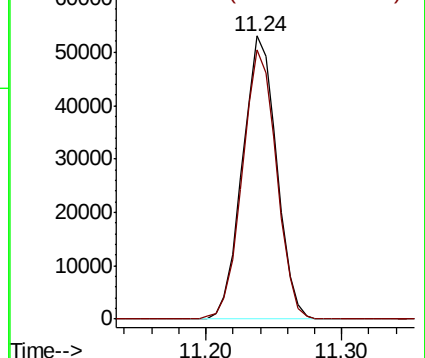
apatel

8/22/2018 11:25:31 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.19 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

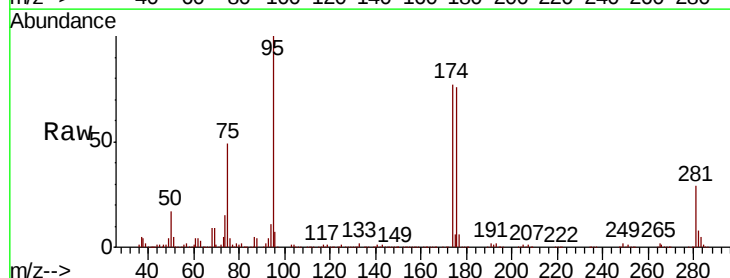
Tgt Ion: 95 Resp: 431899

Ion Ratio Lower Upper

95 100

174 81.6 0.0 165.8

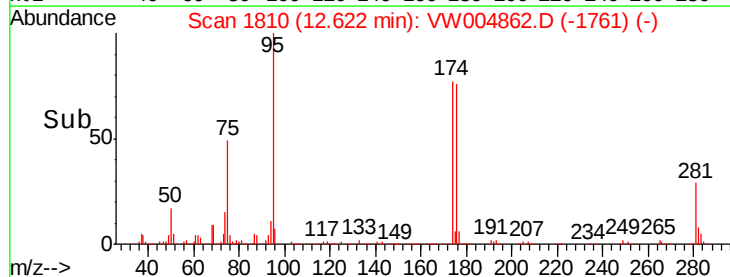
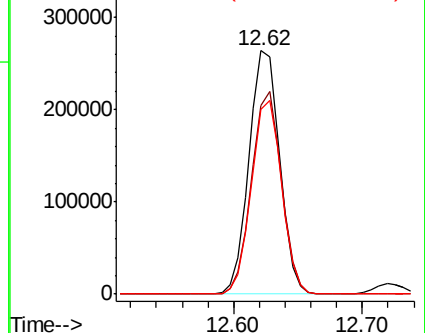
176 78.8 0.0 159.8

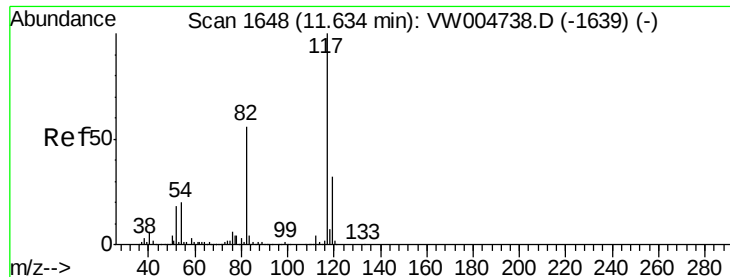


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

Instrument :

MSVOA_W

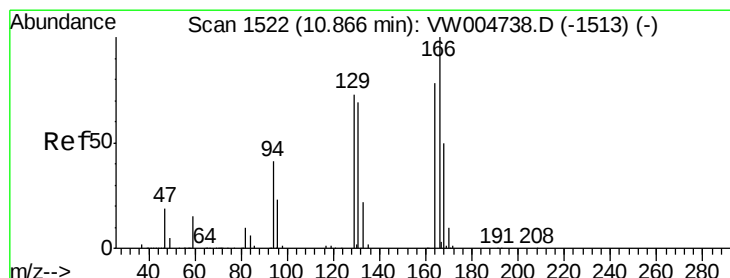
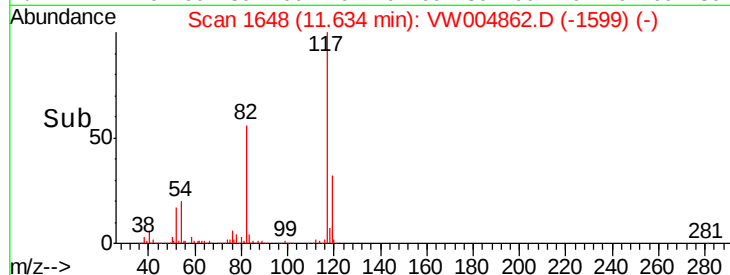
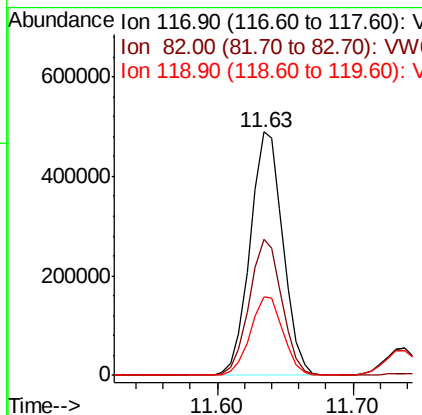
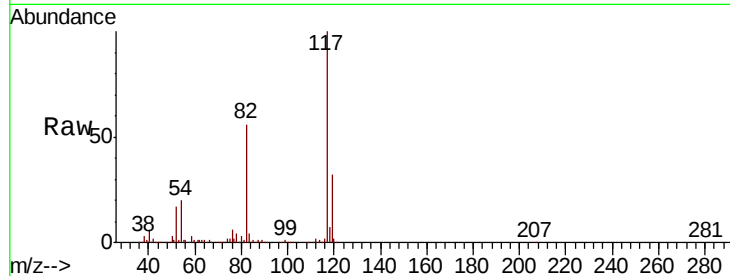
ClientSampleId :

VW0821SBS02

Tot Ion:	117	Resp:	828627
Ion Ratio	Lower	Upper	
117	100		
82	55.9	44.6	67.0
119	32.3	25.6	38.4

Manual Integrations
APPROVED

apatel
8/22/2018 11:25:31 AM



#64

Tetrachloroethene

Concen: 22.95 ug/l

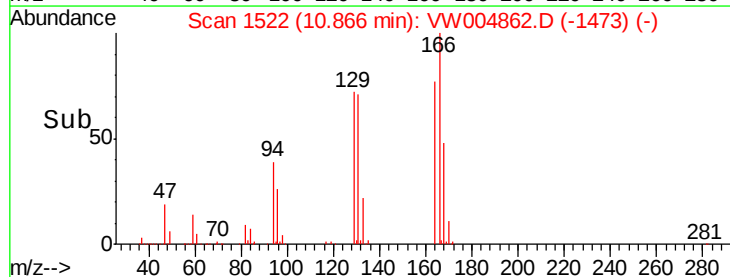
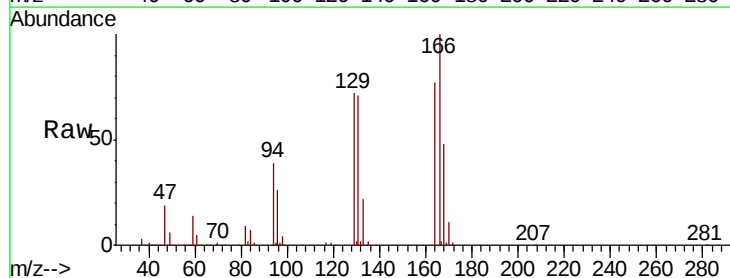
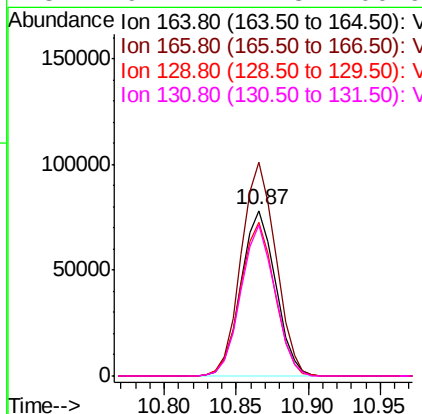
RT: 10.87 min Scan# 1522

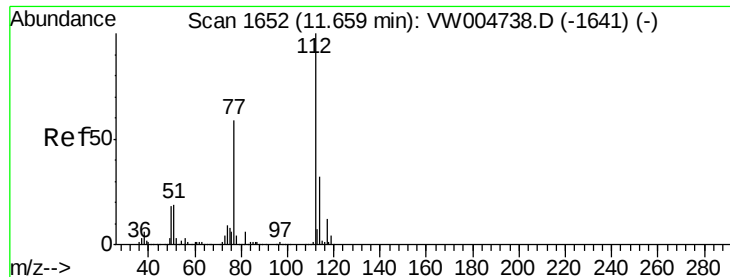
Delta R.T. -0.00 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

Tgt Ion:	164	Resp:	129951
Ion Ratio	Lower	Upper	
164	100		
166	129.4	102.5	153.7
129	93.2	75.1	112.7
131	91.7	71.3	106.9





#65

Chlorobenzene

Concen: 21.82 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.01 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBSD02

Tot Ion:112 Resp: 389159

Ion Ratio Lower Upper

112 100

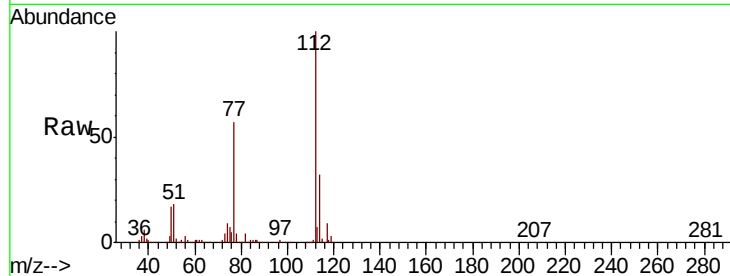
114 32.2 25.4 38.2

Manual Integrations

APPROVED

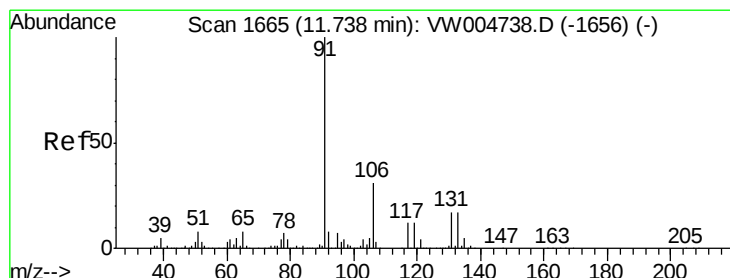
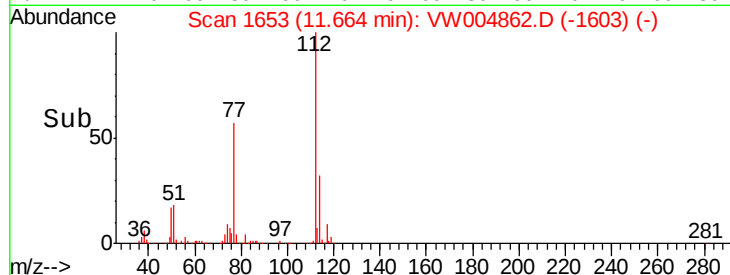
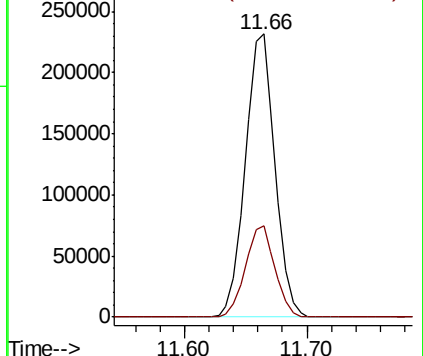
apatel

8/22/2018 11:25:31 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.45 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

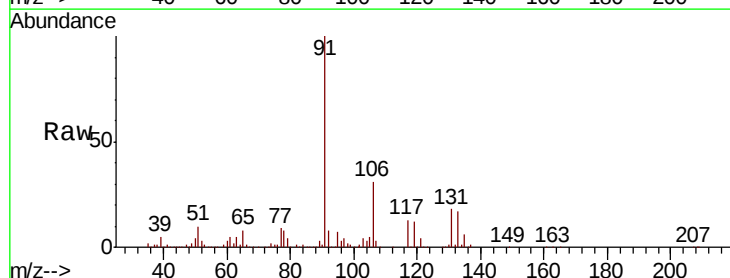
Tgt Ion:131 Resp: 129141

Ion Ratio Lower Upper

131 100

133 95.5 48.2 144.6

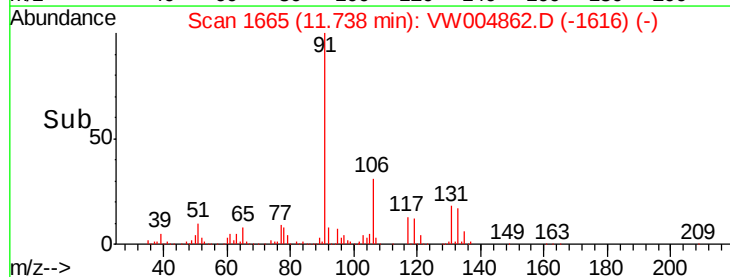
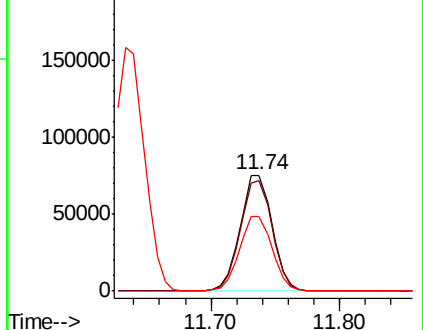
119 66.0 34.0 102.0

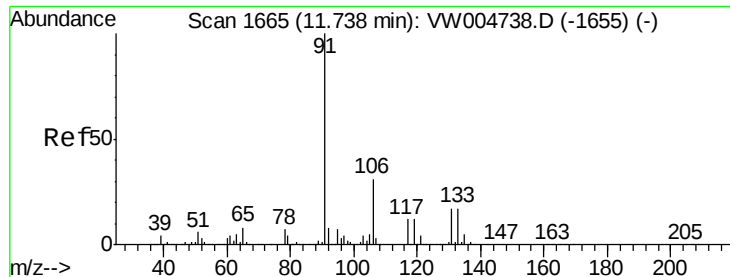


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





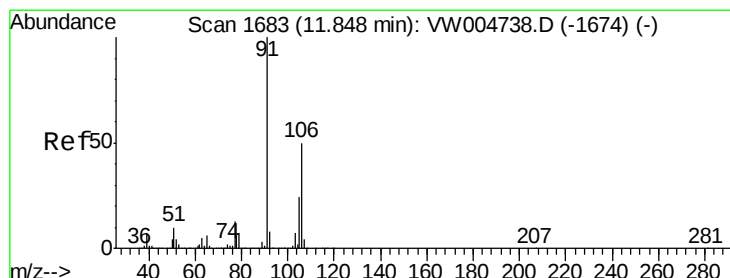
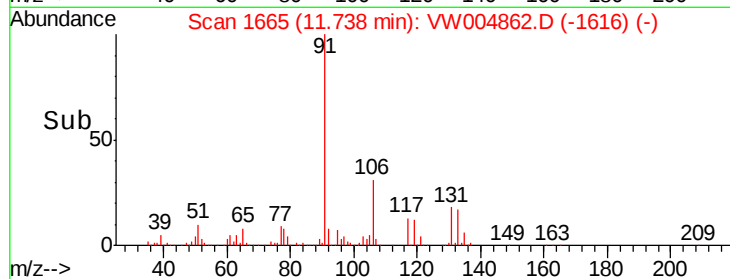
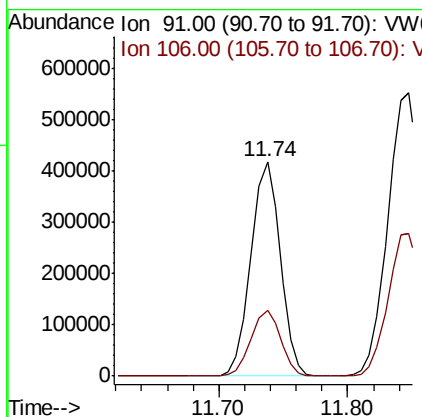
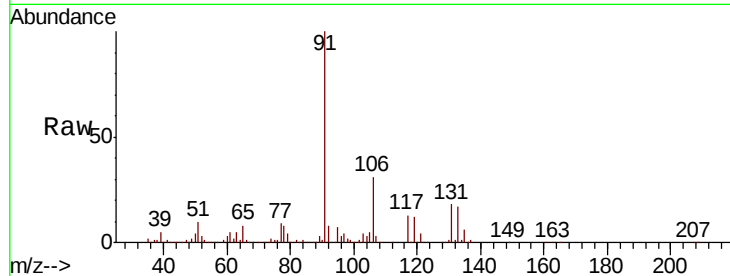
#67
Ethyl Benzene
Concen: 21.76 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.9	37.3

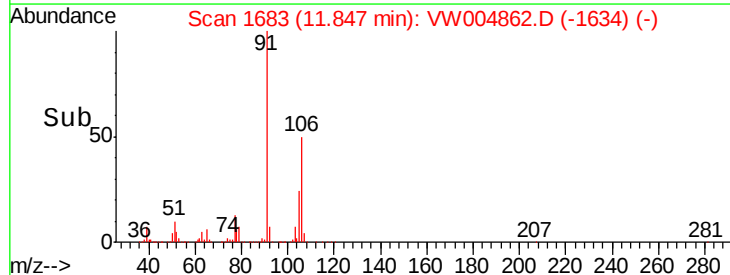
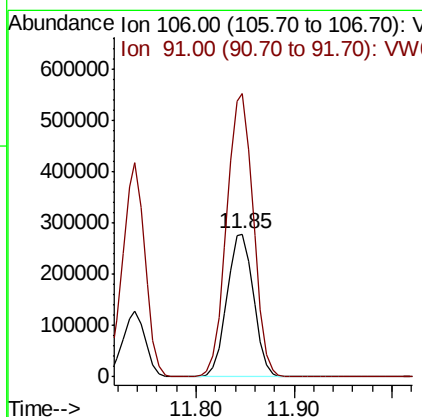
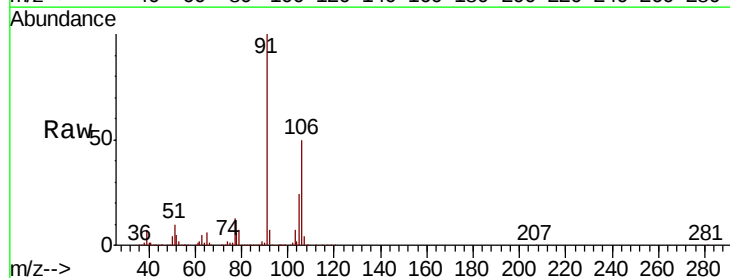
Manual Integrations
APPROVED

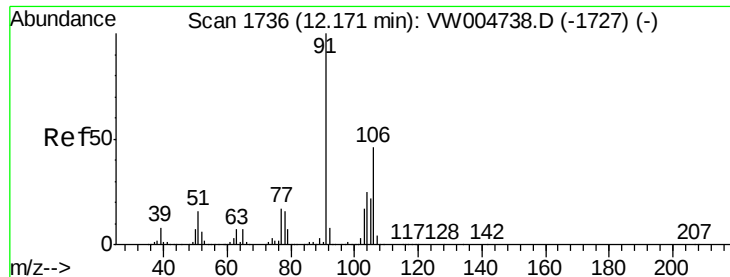
apatel
8/22/2018 11:25:31 AM



#68
m/p-Xylenes
Concen: 44.54 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
106	100		
91	198.5	159.9	239.9





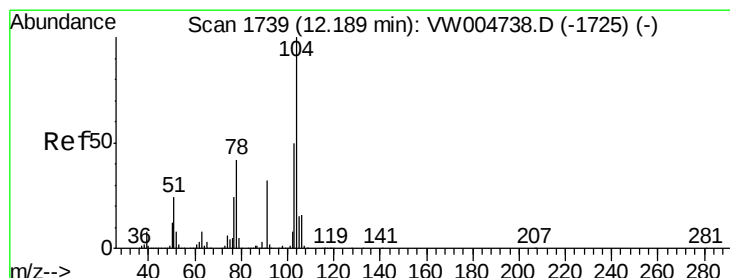
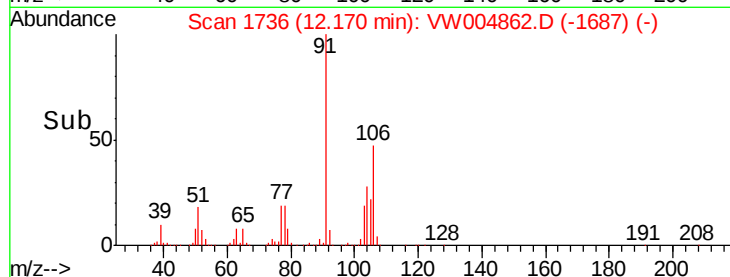
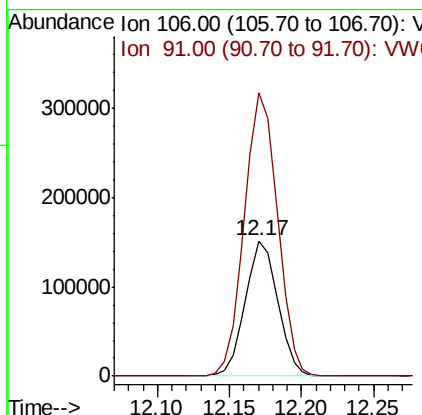
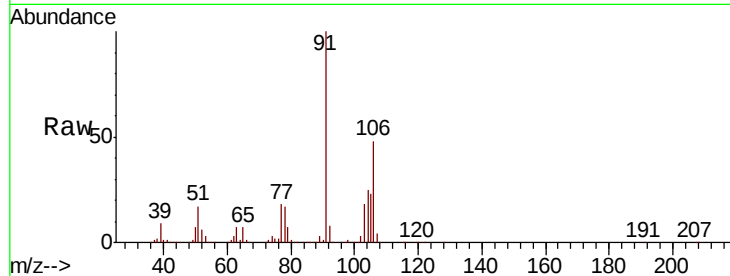
#69
o-Xylene
Concen: 21.85 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		237950		
91	213.9	107.3	321.8		

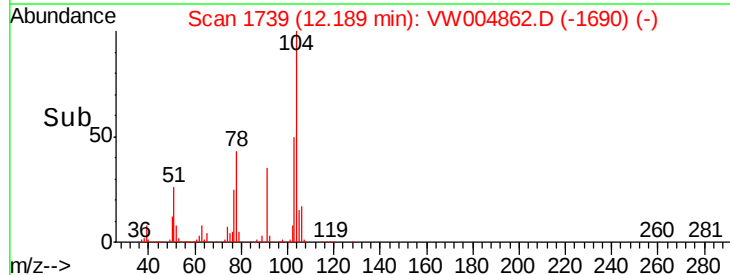
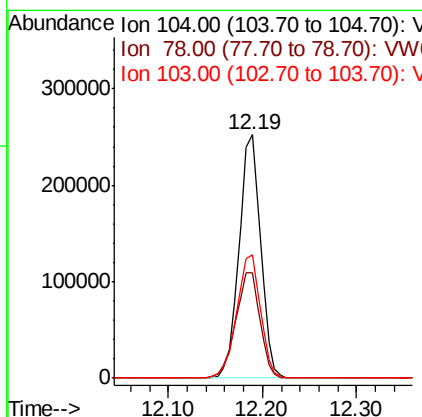
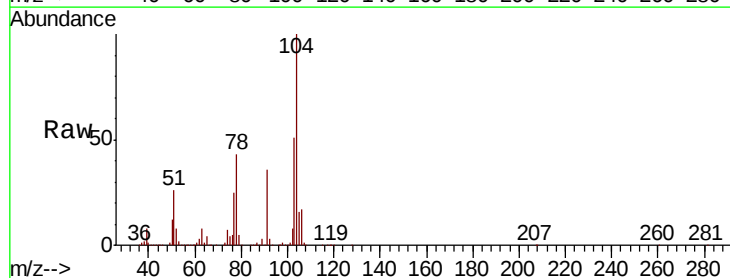
Manual Integrations
APPROVED

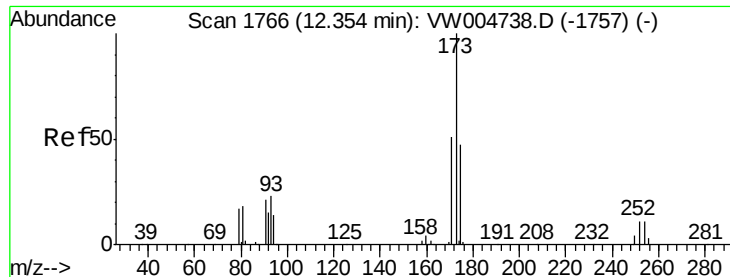
apatel
8/22/2018 11:25:31 AM



#70
Styrene
Concen: 22.13 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		404771		
78	48.6	38.4	57.6		
103	55.4	44.1	66.1		





#71

Bromoform

Concen: 20.78 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBSD02

Tot Ion:173 Resp: 66060

Ion Ratio Lower Upper

173 100

175 49.9 23.8 71.4

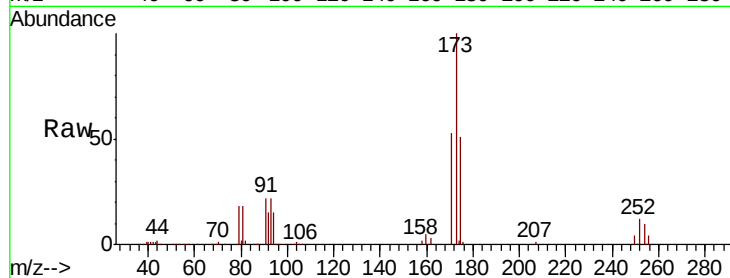
254 0.1 0.1 0.1#

Manual Integrations

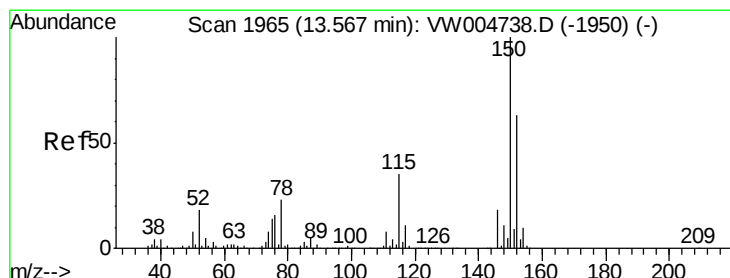
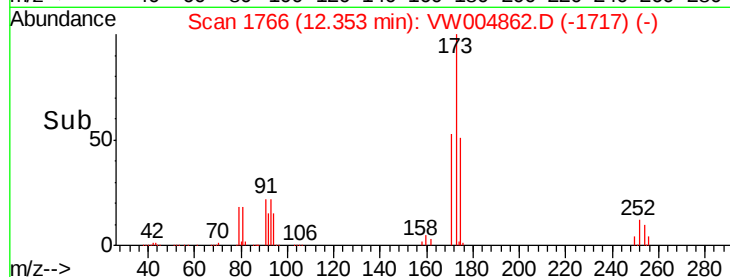
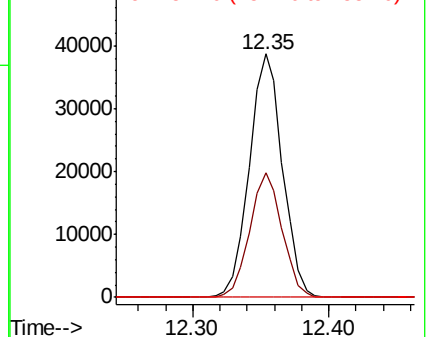
APPROVED

apatel

8/22/2018 11:25:31 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

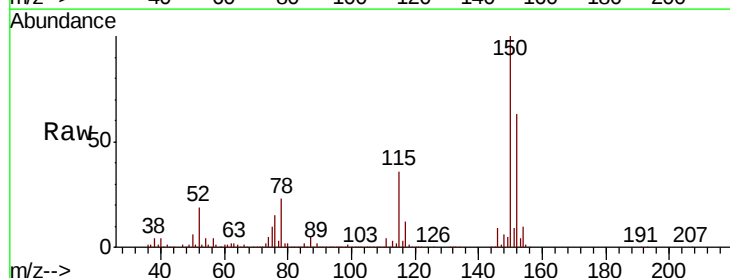
Tgt Ion:152 Resp: 442717

Ion Ratio Lower Upper

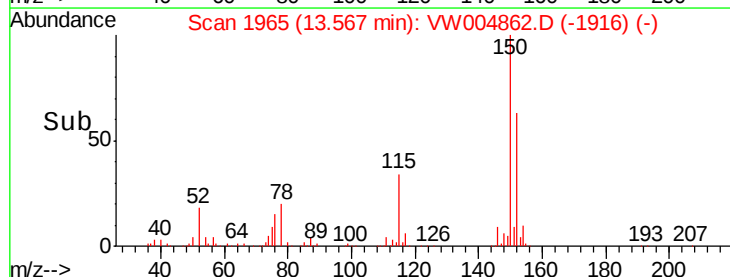
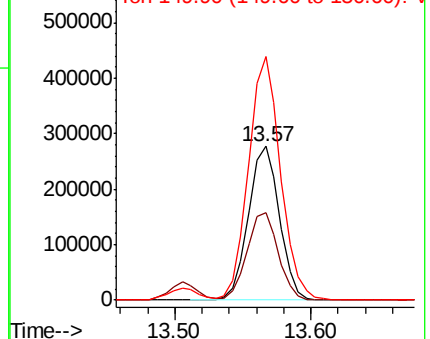
152 100

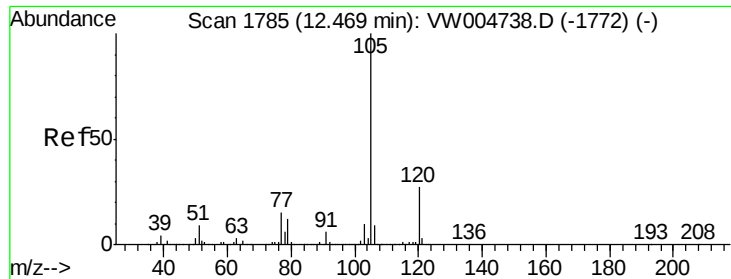
115 57.3 28.5 85.5

150 163.3 0.0 344.8



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





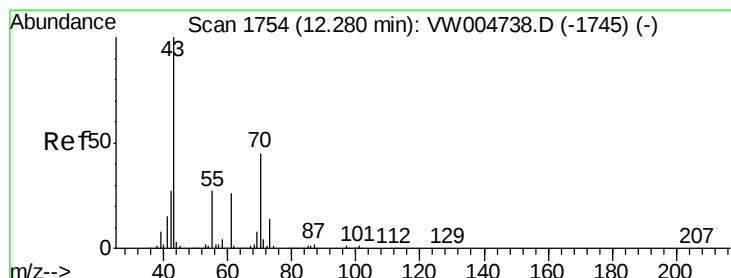
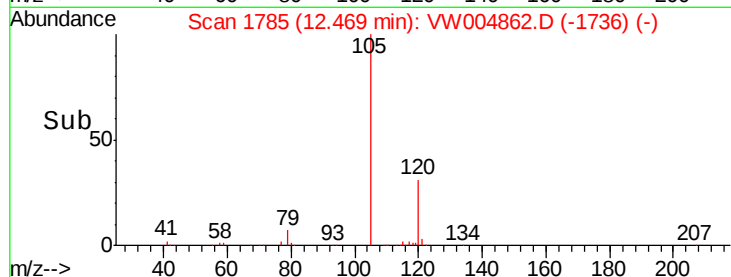
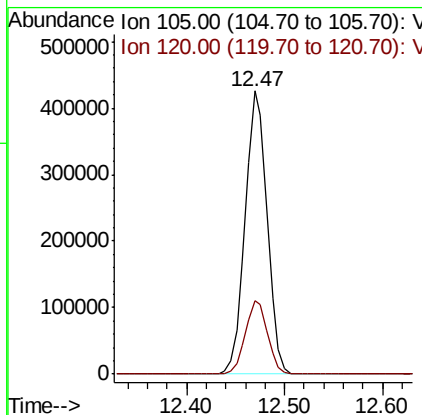
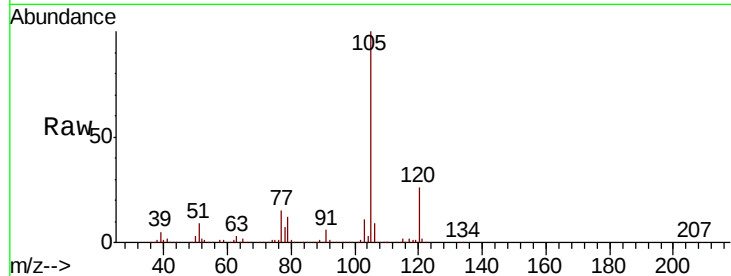
#73
Isopropylbenzene
Concen: 21.96 ug/l
RT: 12.47 min Scan# 1785
Delta R.T. -0.00 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
VW0821SBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.3	39.9

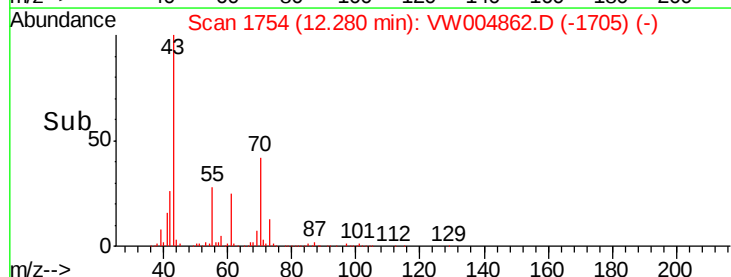
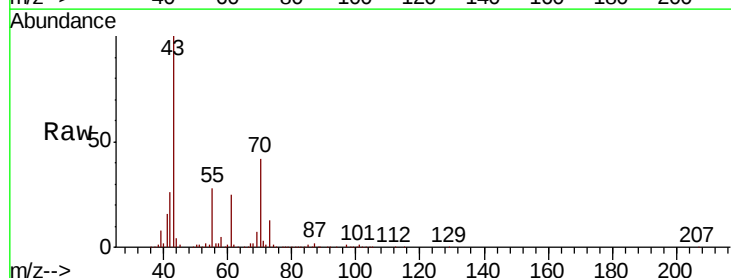
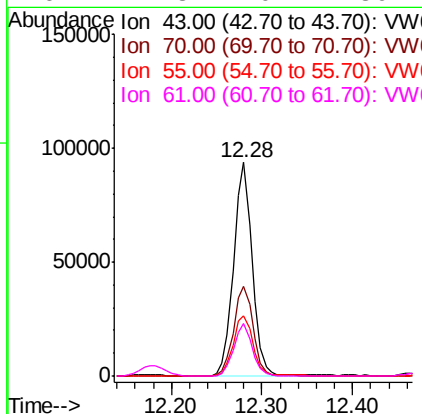
Manual Integrations
APPROVED

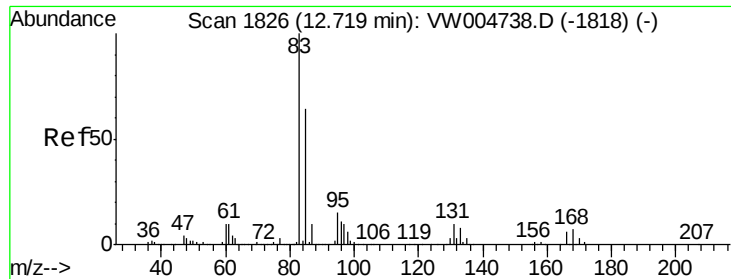
apatel
8/22/2018 11:25:31 AM



#74
N-ethyl acetate
Concen: 21.47 ug/l
RT: 12.28 min Scan# 1754
Delta R.T. 0.00 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.5	36.3	54.5
55	30.3	22.6	33.8
61	24.3	20.2	30.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.77 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

Instrument :

MSVOA_W

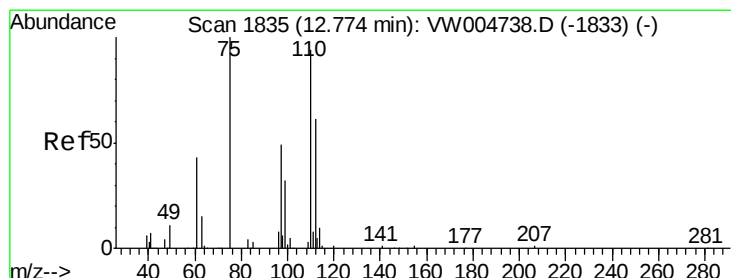
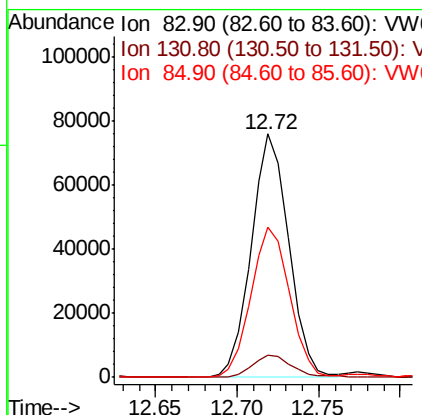
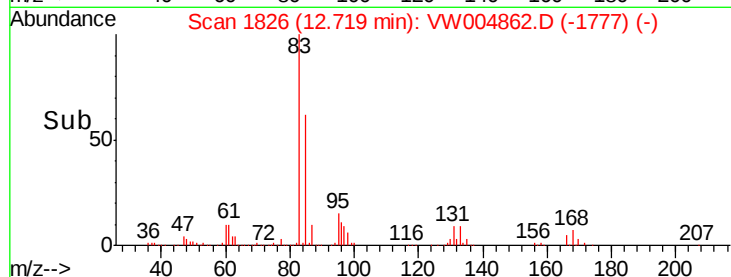
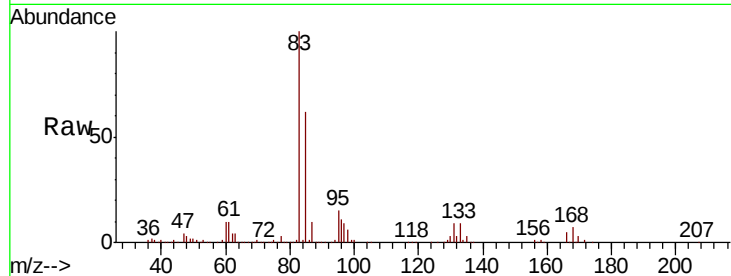
ClientSampleId :

VW0821SBSD02

Tot Ion:	83	Resp:	121445
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.3	15.8
85	63.6	31.9	95.9

Manual Integrations
APPROVED

apatel
8/22/2018 11:25:31 AM



#76

1,2,3-Trichloropropane

Concen: 21.00 ug/l m

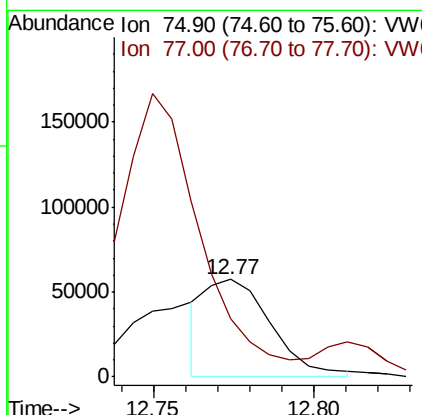
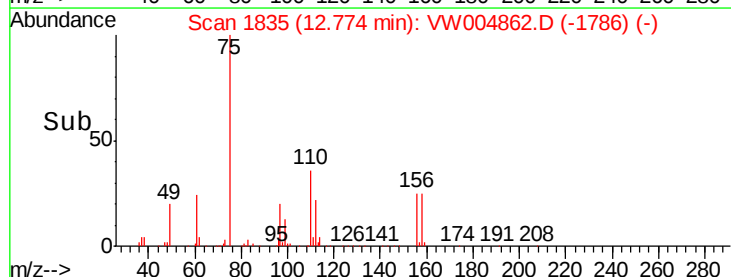
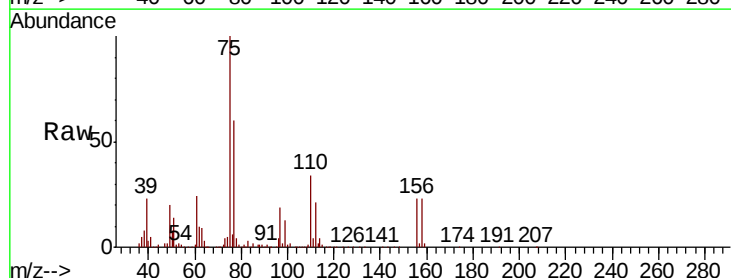
RT: 12.77 min Scan# 1835

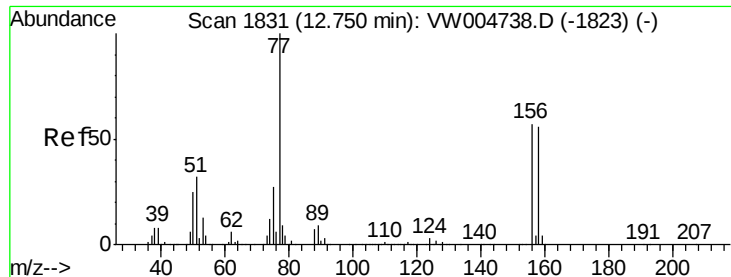
Delta R.T. -0.00 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

Tgt Ion:	75	Resp:	81954
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.00 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

Instrument :

MSVOA_W

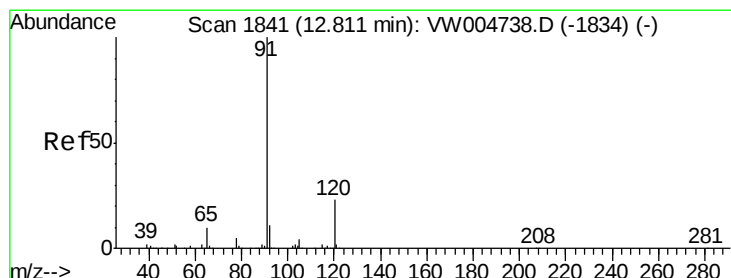
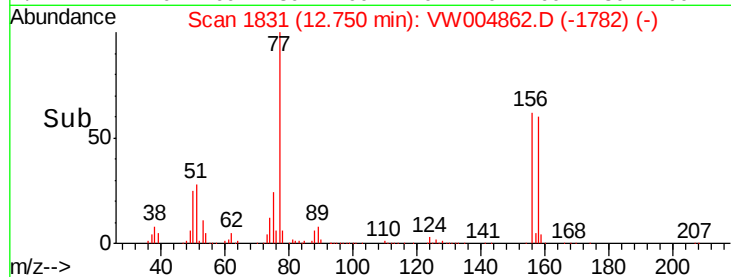
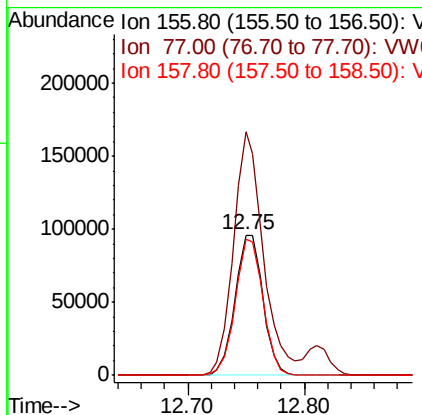
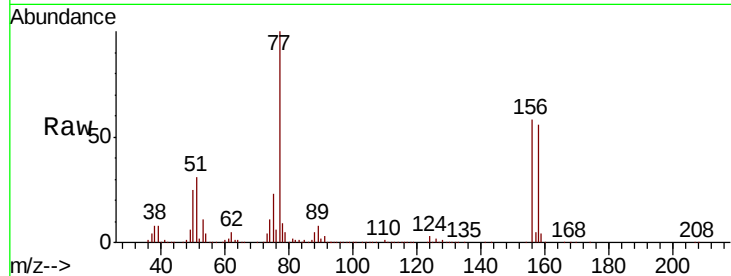
ClientSampleId :

VW0821SBS02

Tot Ion:	156	Resp:	160417
Ion Ratio	Lower	Upper	
156	100		
77	184.8	94.2	282.4
158	96.3	48.6	145.9

Manual Integrations
APPROVED

apatel
8/22/2018 11:25:31 AM



#78

n-propylbenzene

Concen: 22.15 ug/l

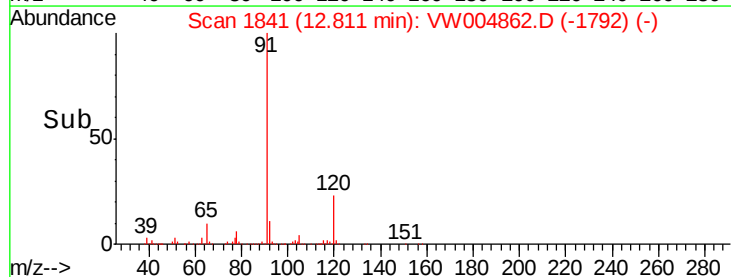
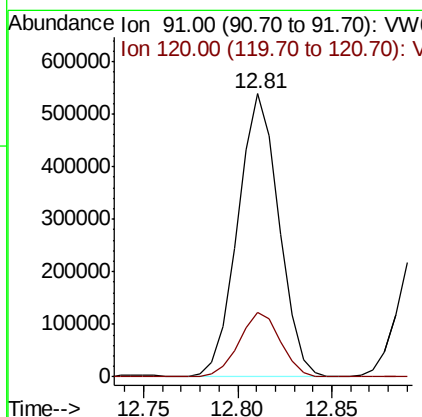
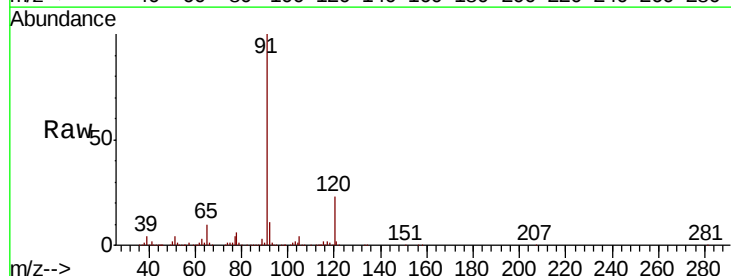
RT: 12.81 min Scan# 1841

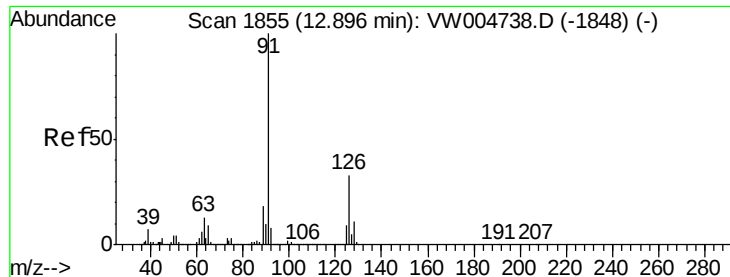
Delta R.T. -0.00 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

Tgt Ion:	91	Resp:	813966
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.4	34.2





#79

2-Chlorotoluene

Concen: 22.14 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS02

Tot Ion: 91 Resp: 468938

Ion Ratio Lower Upper

91 100

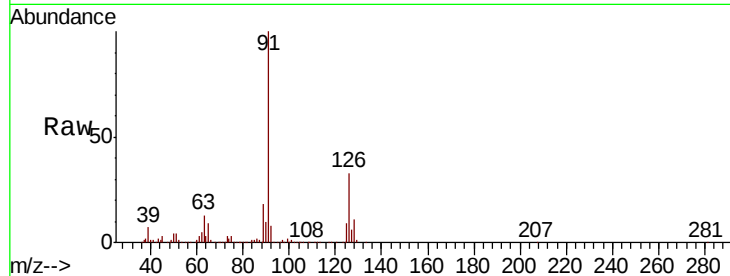
126 33.7 17.0 51.0

Manual Integrations

APPROVED

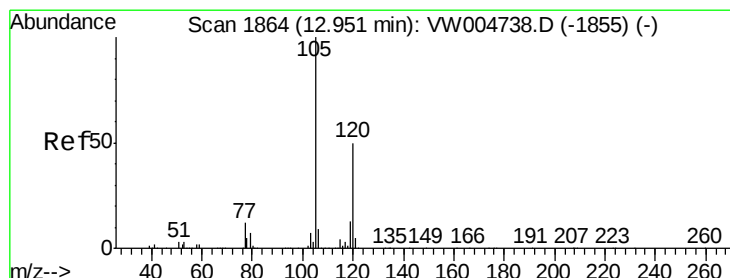
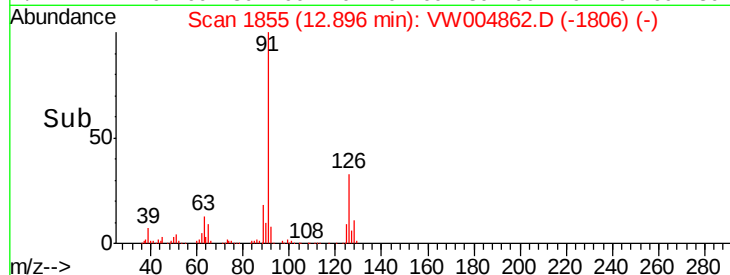
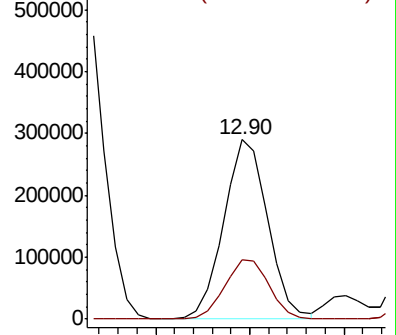
apatel

8/22/2018 11:25:31 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: 22.30 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW004862.D

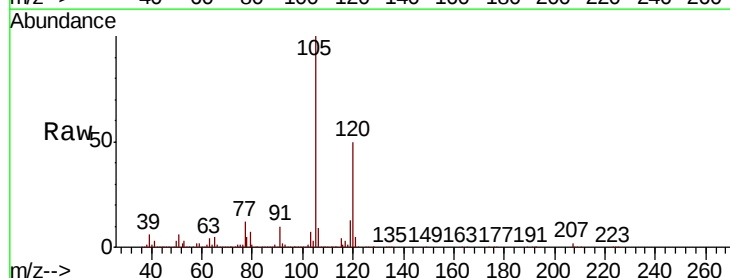
Acq: 22 Aug 2018 02:20

Tgt Ion:105 Resp: 570503

Ion Ratio Lower Upper

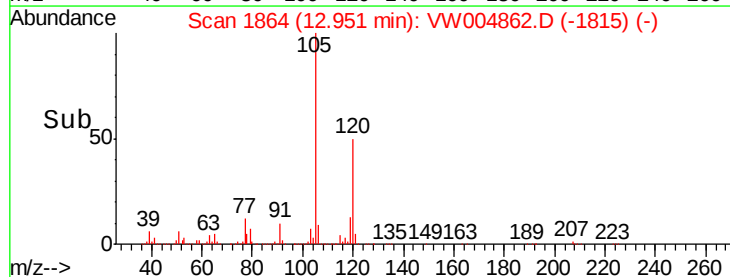
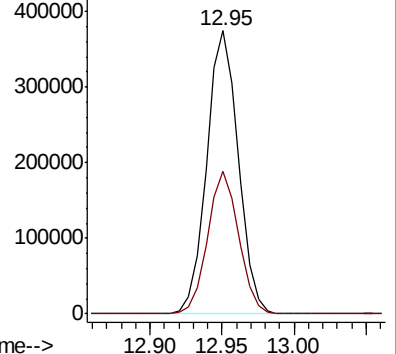
105 100

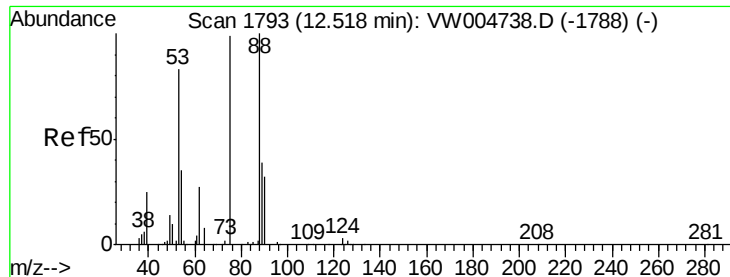
120 49.4 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





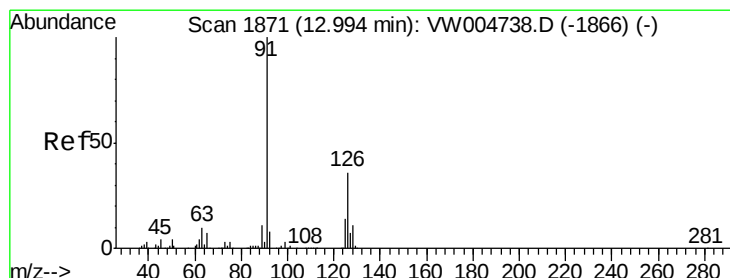
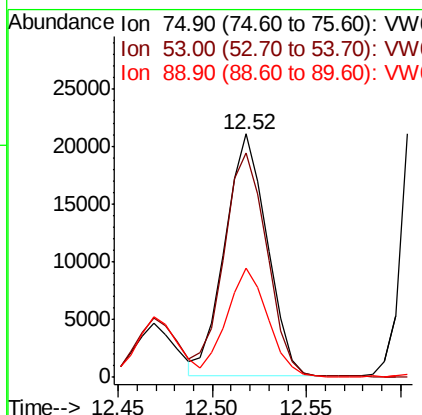
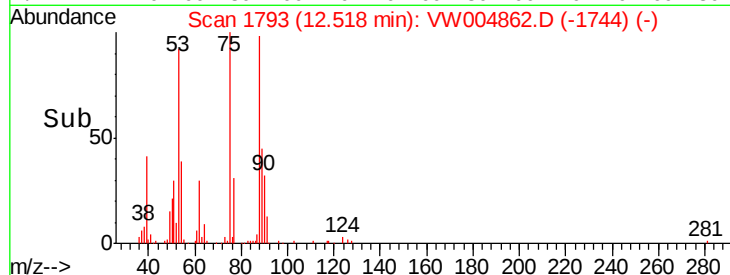
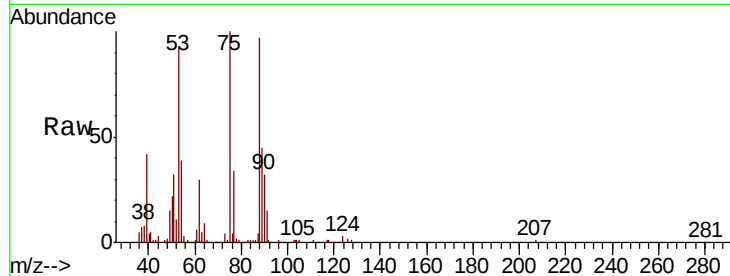
#81
trans-1,4-Dichloro-2-butene
Concen: 19.42 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
VW0821SBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.7	72.2	108.4
89	44.4	35.2	52.8

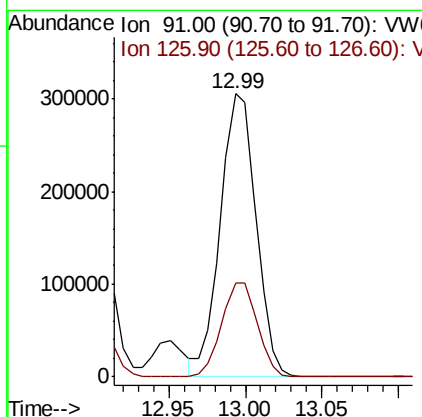
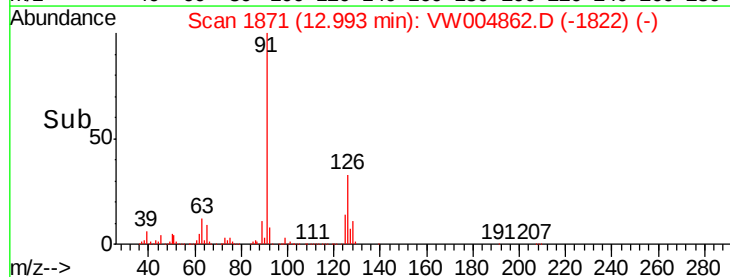
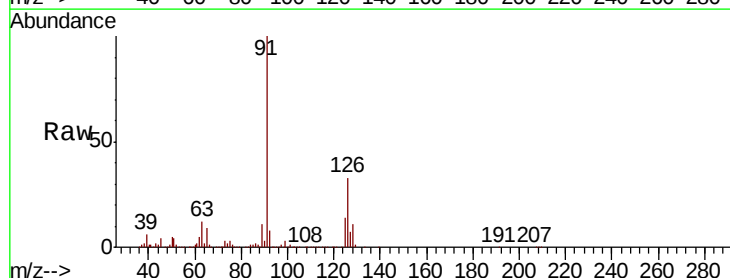
Manual Integrations
APPROVED

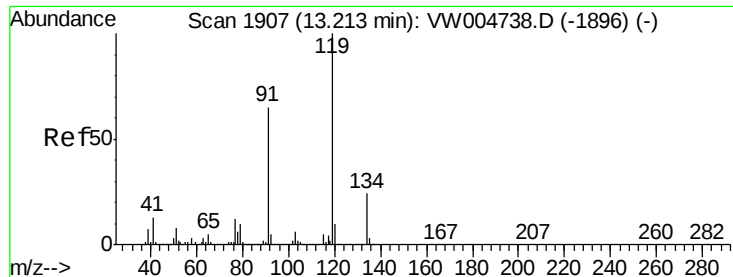
apatel
8/22/2018 11:25:31 AM



#82
4-Chlorotoluene
Concen: 21.98 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.9	50.7





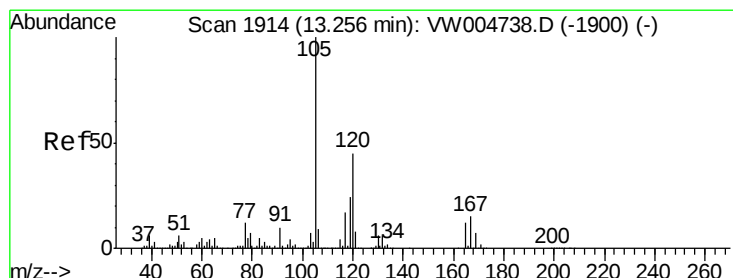
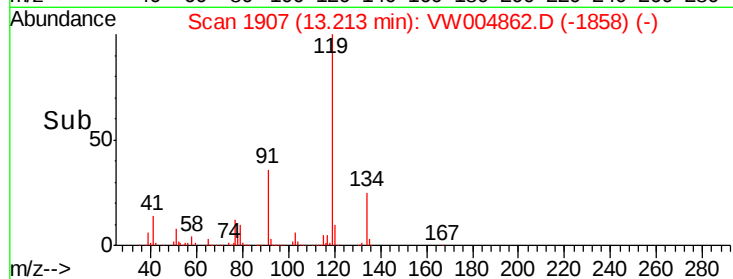
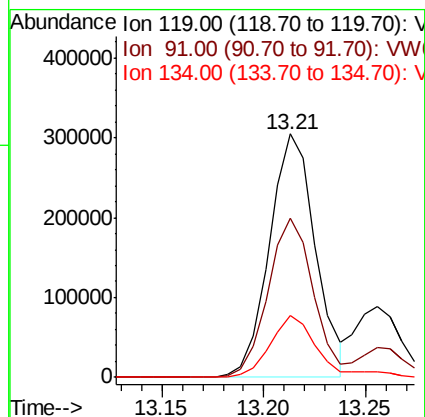
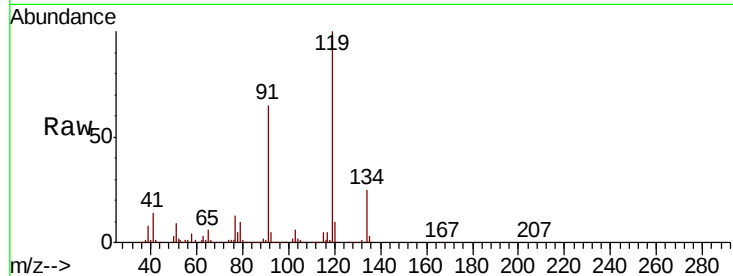
#83
tert-Butylbenzene
Concen: 21.88 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.5	32.6	97.8
134	24.5	13.1	39.3

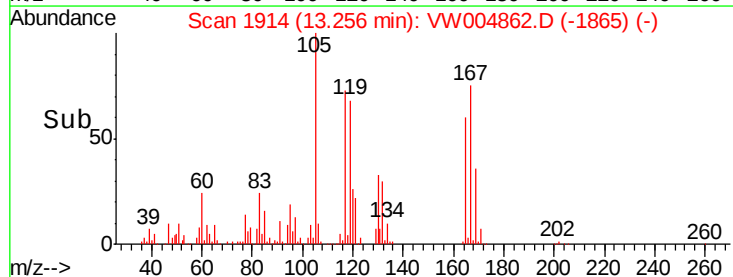
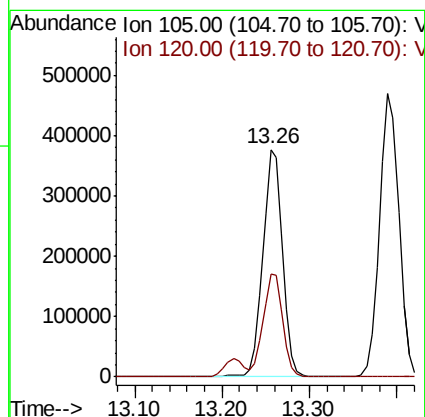
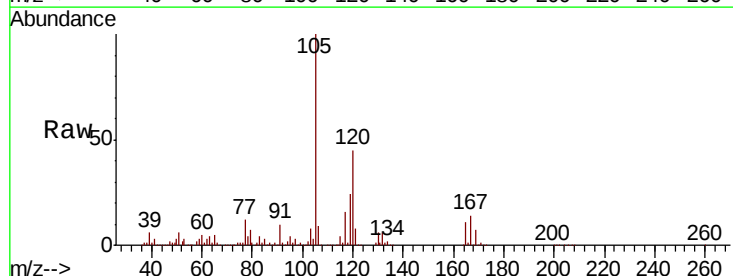
Manual Integrations
APPROVED

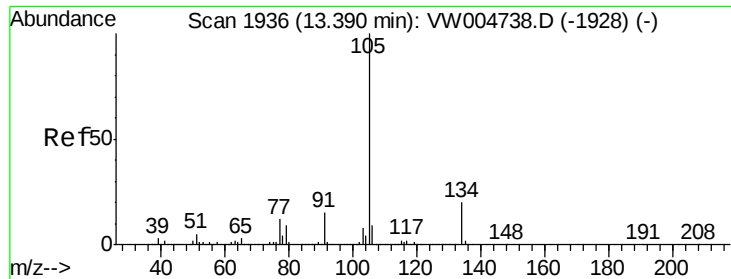
apatel
8/22/2018 11:25:31 AM



#84
1,2,4-Trimethylbenzene
Concen: 22.44 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.8	68.3





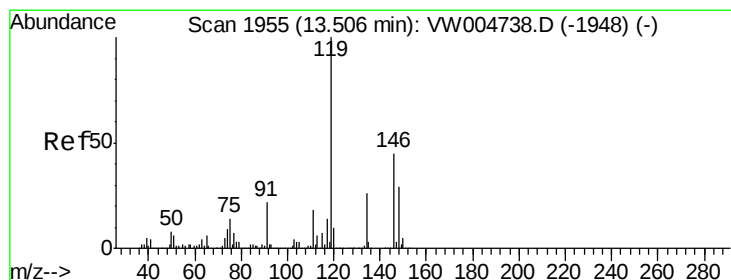
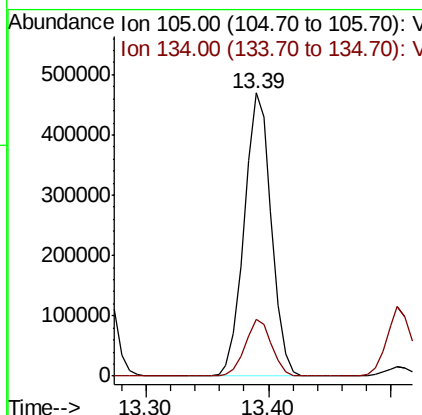
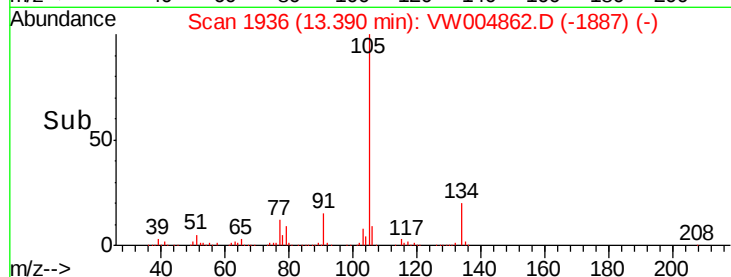
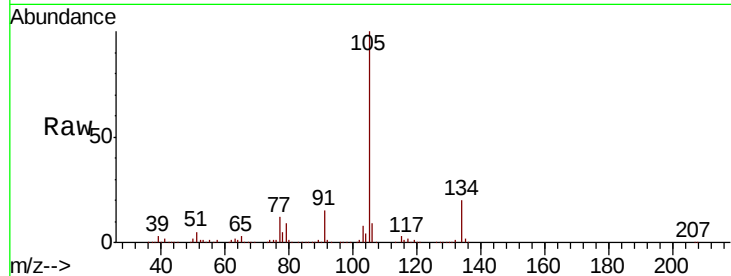
#85
 sec-Butylbenzene
 Concen: 21.99 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW004862.D
 Acq: 22 Aug 2018 02:20

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0821SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	10.0	29.8

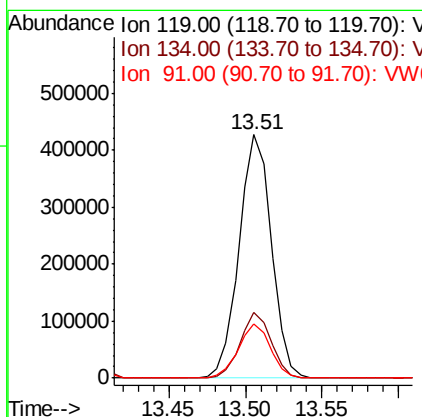
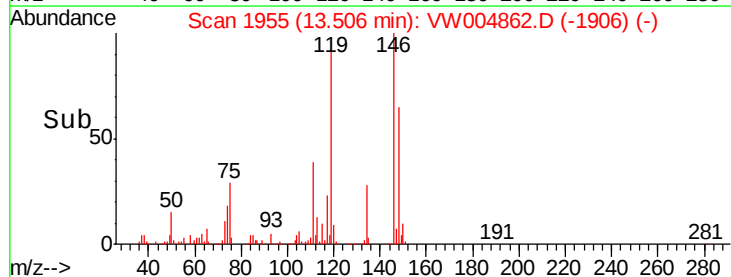
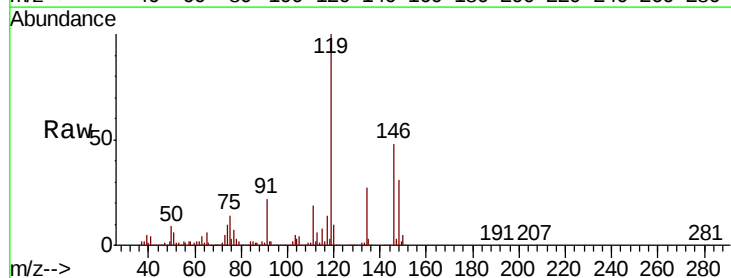
Manual Integrations
 APPROVED

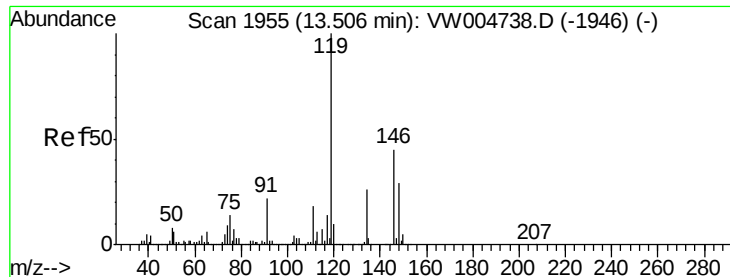
apatel
 8/22/2018 11:25:31 AM



#86
 p-Isopropyltoluene
 Concen: 21.97 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004862.D
 Acq: 22 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.3
91	22.2	11.2	33.5





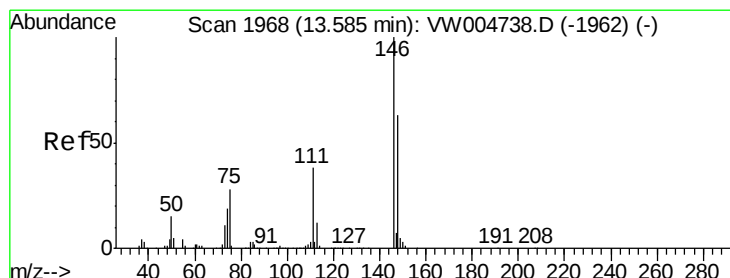
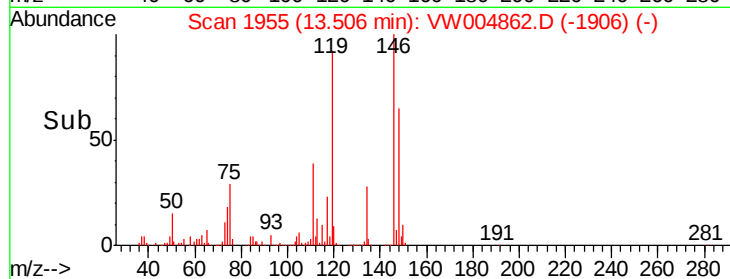
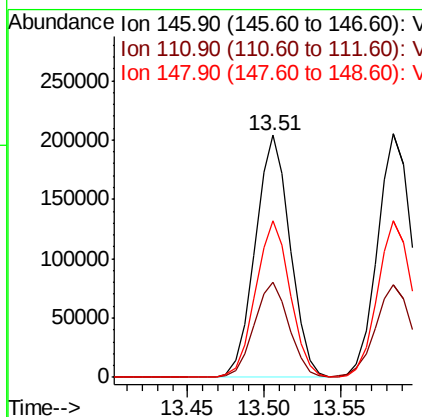
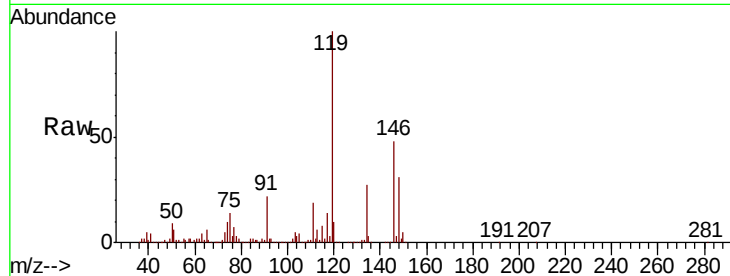
#87
 1,3-Dichlorobenzene
 Concen: 21.81 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004862.D
 Acq: 22 Aug 2018 02:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.1	19.8	59.4	
148	64.0	31.9	95.9	

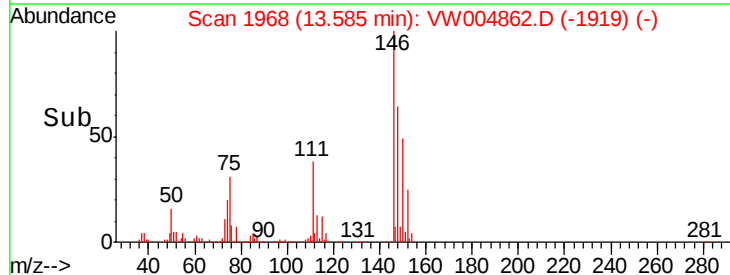
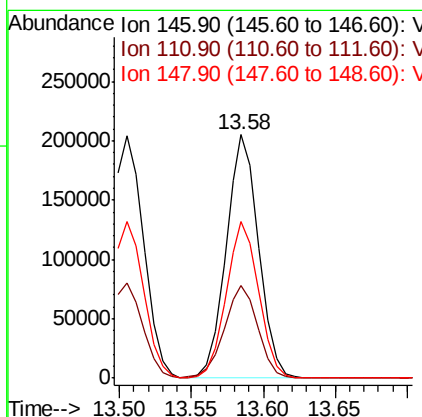
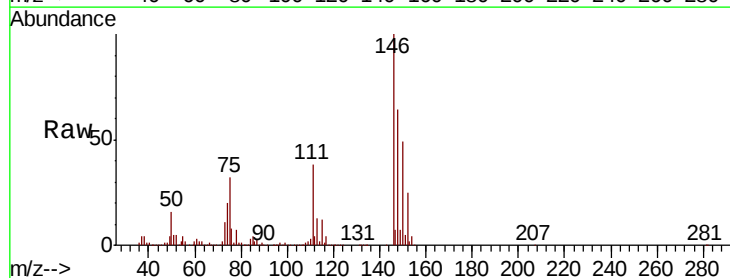
Manual Integrations
 APPROVED

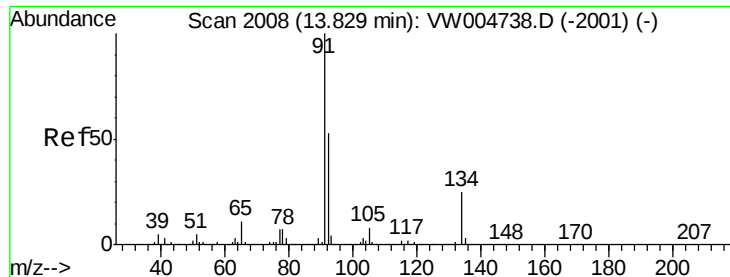
apatel
 8/22/2018 11:25:31 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.68 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004862.D
 Acq: 22 Aug 2018 02:20

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.5	19.3	57.8	
148	64.5	31.8	95.3	





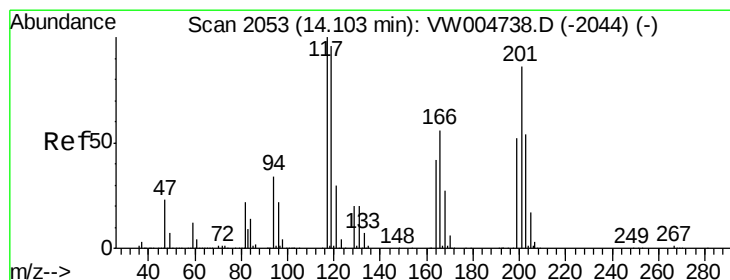
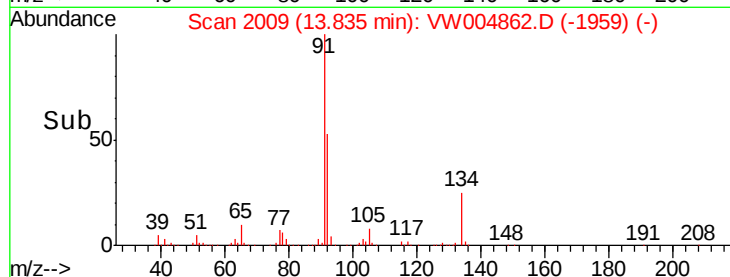
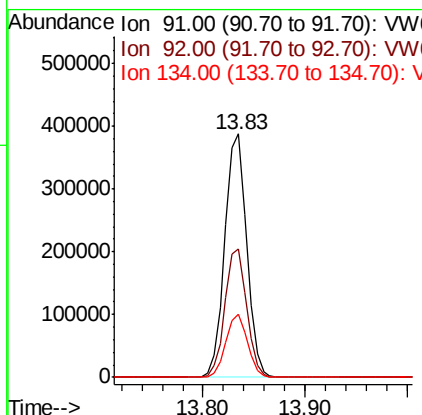
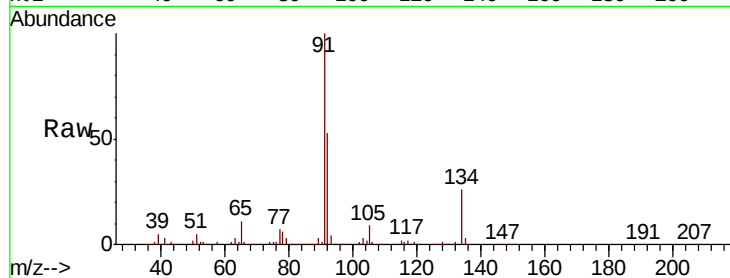
#89
n-Butylbenzene
Concen: 20.91 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. 0.01 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleID :
VW0821SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.4	79.2
134	25.6	12.8	38.3

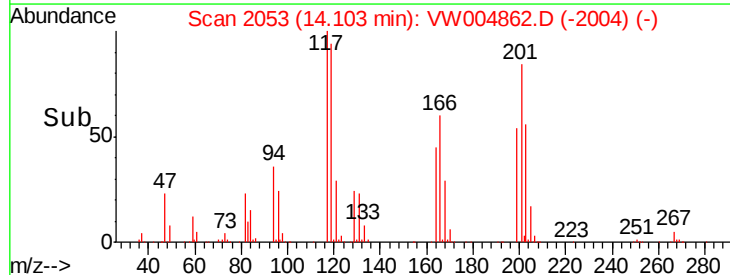
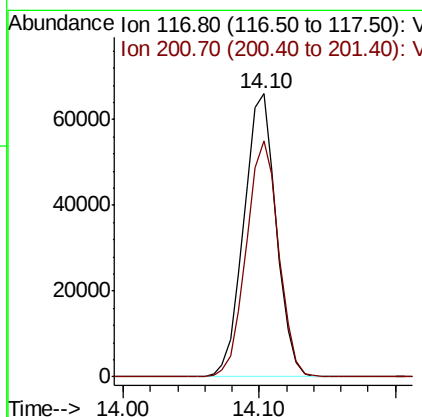
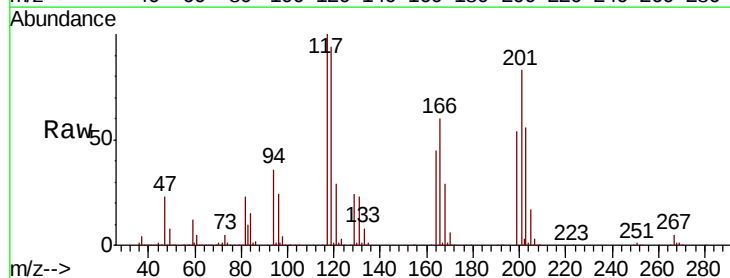
Manual Integrations
APPROVED

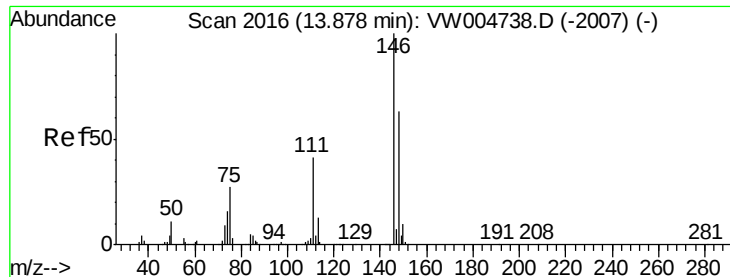
apatel
8/22/2018 11:25:31 AM



#90
Hexachloroethane
Concen: 21.19 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. -0.00 min
Lab File: VW004862.D
Acq: 22 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.5	42.4	127.2





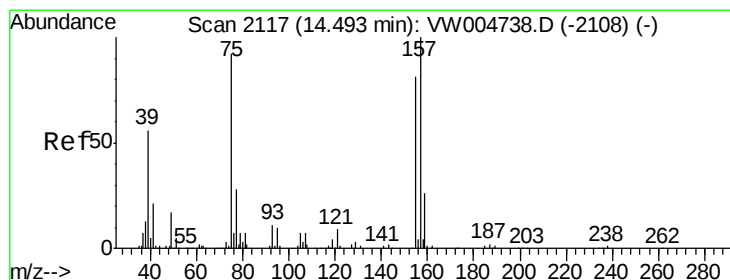
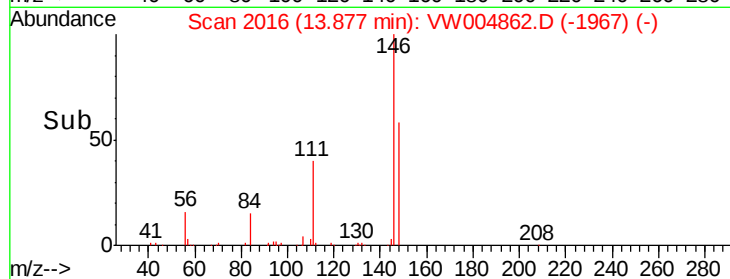
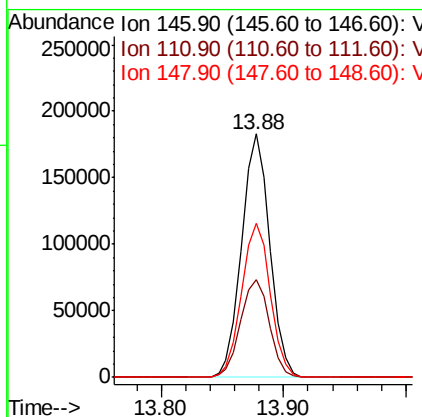
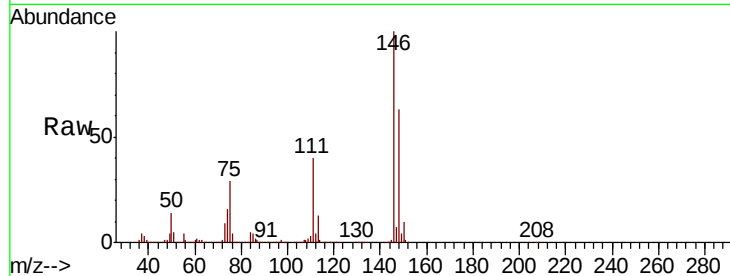
#91
 1,2-Dichlorobenzene
 Concen: 21.92 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004862.D
 Acq: 22 Aug 2018 02:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	291886		
111	41.0		20.4	61.3
148	64.4		31.6	95.0

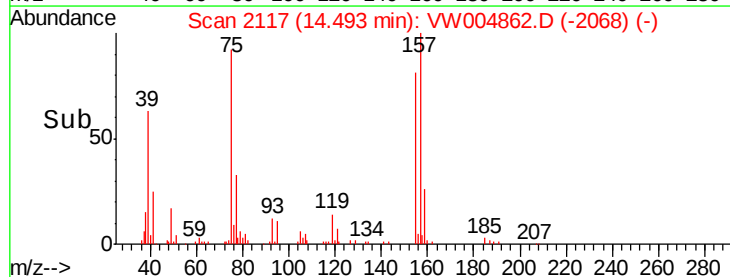
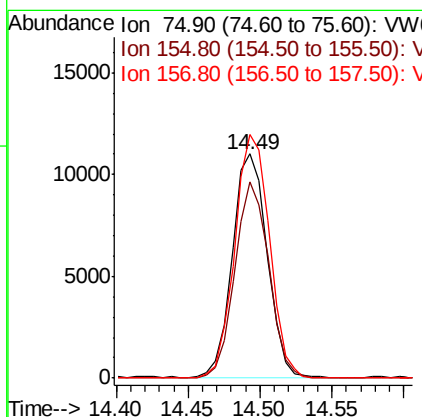
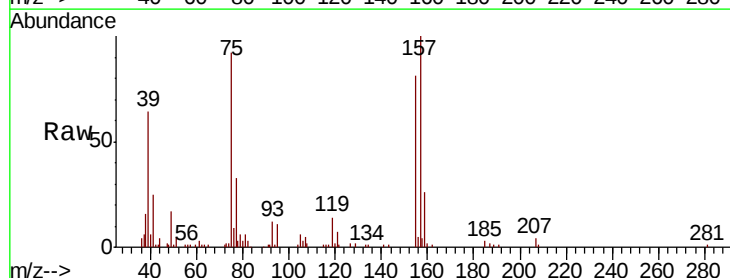
Manual Integrations
 APPROVED

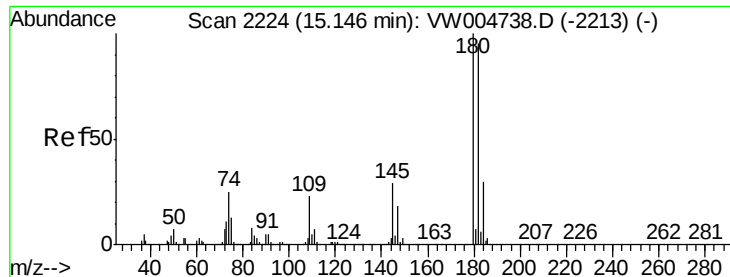
apatel
 8/22/2018 11:25:31 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.40 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004862.D
 Acq: 22 Aug 2018 02:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18661		
155	84.6		43.3	129.9
157	107.5		54.5	163.6





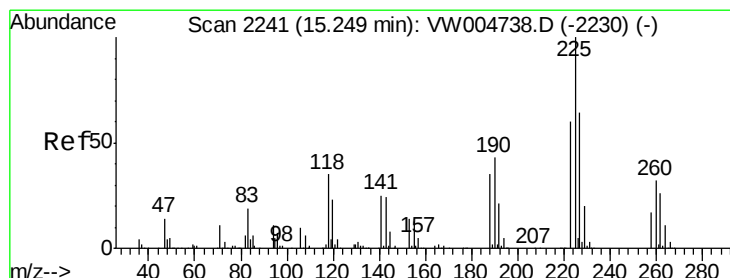
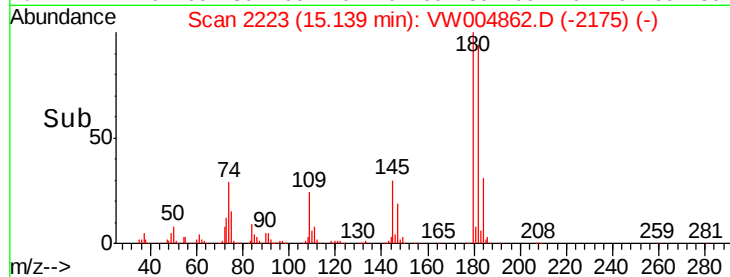
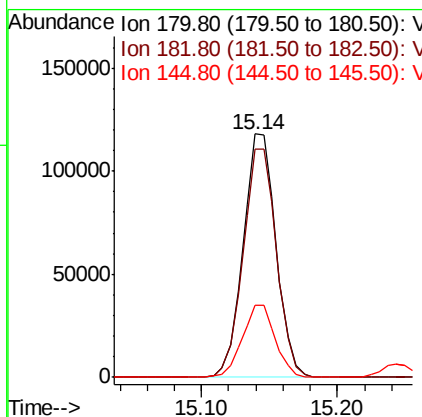
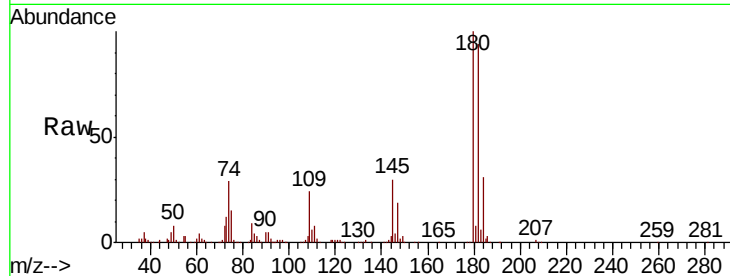
#93
 1,2,4-Trichlorobenzene
 Concen: 21.15 ug/l
 RT: 15.14 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: VW004862.D
 Acq: 22 Aug 2018 02:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS02

Tot Ion:	180	Resp:	199214
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.3	141.8
145	29.6	14.6	43.8

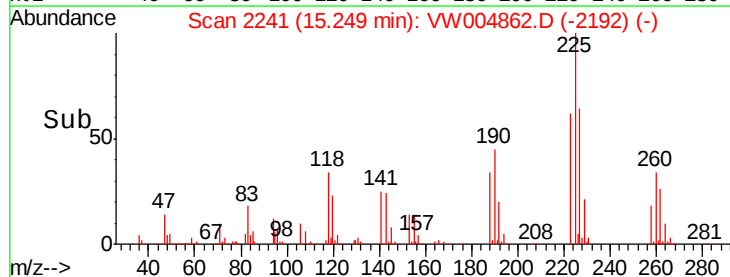
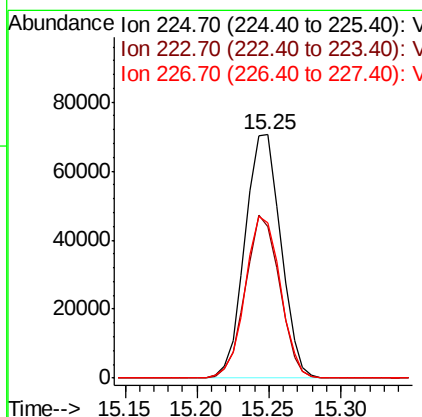
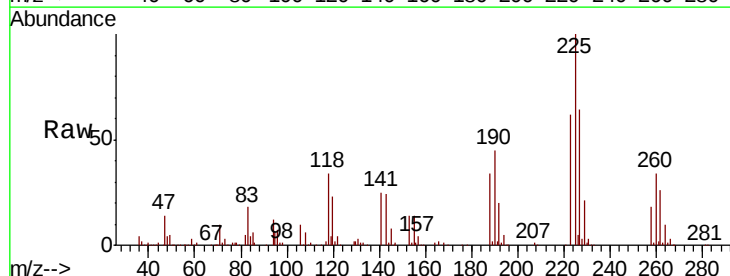
Manual Integrations
 APPROVED

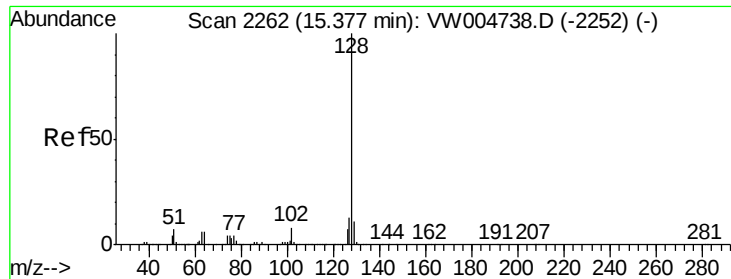
apatel
 8/22/2018 11:25:31 AM



#94
 Hexachlorobutadiene
 Concen: 21.08 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW004862.D
 Acq: 22 Aug 2018 02:20

Tgt Ion:	225	Resp:	121914
Ion Ratio	Lower	Upper	
225	100		
223	63.7	30.9	92.5
227	65.2	32.0	96.0





#95

Naphthalene

Concen: 20.92 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

Instrument :

MSVOA_W

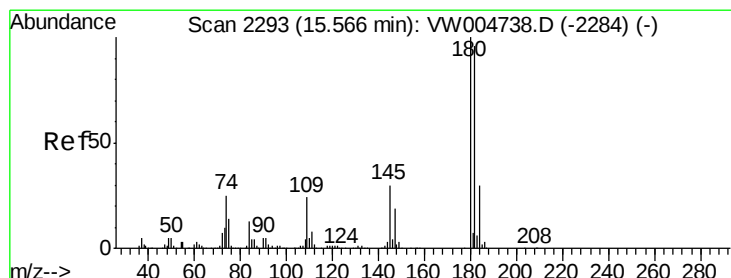
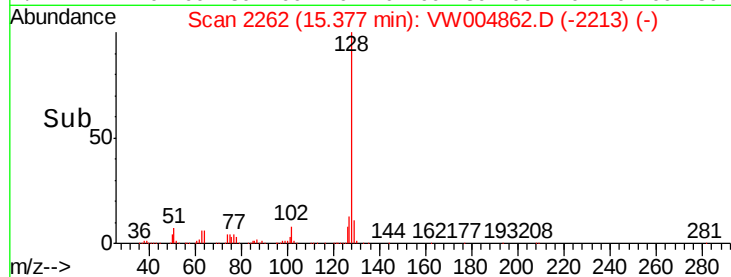
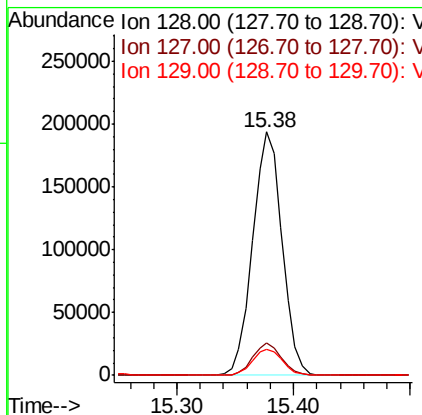
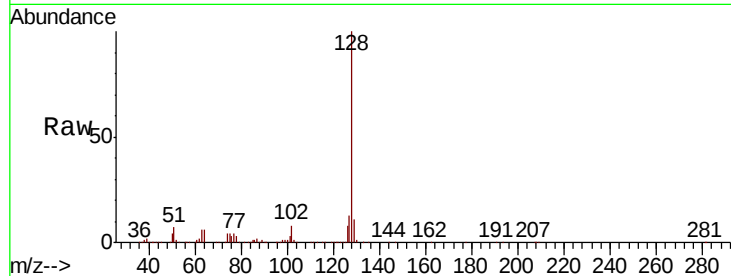
ClientSampleId :

VW0821SBS02

Tot Ion:	128	Resp:	341826
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

apatel
8/22/2018 11:25:31 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.56 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004862.D

Acq: 22 Aug 2018 02:20

Tgt Ion:	180	Resp:	180149
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.3	142.0
145	31.2	15.4	46.1

