

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082918\
 Data File : VW005007.D
 Acq On : 29 Aug 2018 16:54
 Operator : SY/AP
 Sample : VW0829SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

Manual Integrations
 APPROVED

apatel
 8/30/2018 12:44:01 PM

Quant Time: Aug 30 01:59:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 30 01:51:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	480333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	630730	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	680840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	389779	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	150837	45.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.82%	
35) Dibromofluoromethane	7.89	113	151601	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
50) Toluene-d8	10.33	98	893837	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
62) 4-Bromofluorobenzene	12.62	95	333293	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	94559	22.787	ug/l	99
3) Chloromethane	2.22	50	127305	21.602	ug/l	99
4) Vinyl Chloride	2.36	62	125267	21.294	ug/l	100
5) Bromomethane	2.77	94	77743	20.218	ug/l	99
6) Chloroethane	2.92	64	70733	20.334	ug/l	95
7) Trichlorofluoromethane	3.26	101	115970	19.066	ug/l	97
8) Diethyl Ether	3.69	74	34971	20.221	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	4.06	101	73340	19.535	ug/l	97
10) Methyl Iodide	4.28	142	95397	18.304	ug/l	100
11) Tert butyl alcohol	5.20	59	25191m	105.813	ug/l	
12) 1,1-Dichloroethene	4.04	96	67145	19.144	ug/l	99
13) Acrolein	3.91	56	26023	92.882	ug/l	97
14) Allyl chloride	4.68	41	101524	18.798	ug/l	99
15) Acrylonitrile	5.39	53	89933	101.969	ug/l	99
16) Acetone	4.15	43	72865	98.339	ug/l	99
17) Carbon Disulfide	4.39	76	288894	19.595	ug/l	99
18) Methyl Acetate	4.68	43	35913	20.010	ug/l	99
19) Methyl tert-butyl Ether	5.44	73	149619	19.850	ug/l	99
20) Methylene Chloride	4.92	84	140594	24.449	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	73099	19.194	ug/l	99
22) Diisopropyl ether	6.32	45	211384	19.173	ug/l	99
23) Vinyl Acetate	6.27	43	564030	100.060	ug/l	100
24) 1,1-Dichloroethane	6.23	63	124591	18.677	ug/l	99
25) 2-Butanone	7.19	43	121197	104.890	ug/l	96
26) 2,2-Dichloropropane	7.18	77	113232	19.339	ug/l	98
27) cis-1,2-Dichloroethene	7.18	96	78236	18.884	ug/l	97
28) Bromochloromethane	7.52	49	52782	17.994	ug/l	98
29) Tetrahydrofuran	7.54	42	62436	106.966	ug/l	97
30) Chloroform	7.68	83	125410	19.113	ug/l	98
31) Cyclohexane	7.96	56	139452	19.724	ug/l	95
32) 1,1,1-Trichloroethane	7.88	97	115146	19.072	ug/l	99
36) 1,1-Dichloropropene	8.09	75	110498	20.676	ug/l	99
37) Ethyl Acetate	7.26	43	42920	22.281	ug/l	99
38) Carbon Tetrachloride	8.07	117	104410	20.188	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082918\
 Data File : VW005007.D
 Acq On : 29 Aug 2018 16:54
 Operator : SY/AP
 Sample : VW0829SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0829SBSD01

Manual Integrations
 APPROVED

apatel
 8/30/2018 12:44:01 PM

Quant Time: Aug 30 01:59:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 30 01:51:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	148151	20.110	ug/l	98
40) Benzene	8.33	78	347177	20.295	ug/l	99
41) Methacrylonitrile	7.49	41	24062	21.435	ug/l	97
42) 1,2-Dichloroethane	8.41	62	76593	20.122	ug/l	99
43) Isopropyl Acetate	8.43	43	79481	20.736	ug/l	99
44) Trichloroethene	9.10	130	88532	20.262	ug/l	96
45) 1,2-Dichloropropane	9.37	63	78639	20.092	ug/l	95
46) Dibromomethane	9.46	93	37938	20.480	ug/l	98
47) Bromodichloromethane	9.65	83	91402	19.969	ug/l	98
48) Methyl methacrylate	9.45	41	40691	19.709	ug/l	89
49) 1,4-Dioxane	9.48	88	17364	451.697	ug/l #	99
51) 4-Methyl-2-Pentanone	10.22	43	311148	108.386	ug/l	98
52) Toluene	10.40	92	273808	21.574	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	98782	20.207	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	115366	20.238	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	60841	20.066	ug/l	96
56) Ethyl methacrylate	10.65	69	85503	21.499	ug/l	98
57) 1,3-Dichloropropane	10.94	76	101869	20.417	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	170000	99.217	ug/l	99
59) 2-Hexanone	10.98	43	234226	112.689	ug/l	99
60) Dibromochloromethane	11.13	129	67328	20.232	ug/l	100
61) 1,2-Dibromoethane	11.24	107	57851	20.351	ug/l	99
64) Tetrachloroethene	10.87	164	98428	19.828	ug/l	98
65) Chlorobenzene	11.66	112	303026	20.258	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	78297	19.058	ug/l	99
67) Ethyl Benzene	11.74	91	522865	20.414	ug/l	99
68) m/p-Xylenes	11.85	106	442115	42.321	ug/l	100
69) o-Xylene	12.17	106	199075	20.855	ug/l	99
70) Styrene	12.19	104	328218	20.727	ug/l	99
71) Bromoform	12.35	173	43169	18.897	ug/l #	99
73) Isopropylbenzene	12.47	105	532653	20.500	ug/l	100
74) N-amyl acetate	12.28	43	101723	20.746	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	77517	19.704	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	55037m	19.936	ug/l	
77) Bromobenzene	12.76	156	130074	20.403	ug/l	99
78) n-propylbenzene	12.81	91	670801	20.930	ug/l	99
79) 2-Chlorotoluene	12.90	91	379450	20.498	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	477140	20.784	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	23158	18.959	ug/l	94
82) 4-Chlorotoluene	12.99	91	409511	20.763	ug/l	99
83) tert-Butylbenzene	13.21	119	392314	20.347	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	484484	20.800	ug/l	99
85) sec-Butylbenzene	13.39	105	591413	20.895	ug/l	100
86) p-Isopropyltoluene	13.51	119	533675	21.046	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	276355	20.448	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	273323	20.417	ug/l	99
89) n-Butylbenzene	13.83	91	491204	20.635	ug/l	100
90) Hexachloroethane	14.10	117	74244	18.626	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	245471	20.633	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13990	20.590	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082918\
Data File : VW005007.D
Acq On : 29 Aug 2018 16:54
Operator : SY/AP
Sample : VW0829SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBSD01

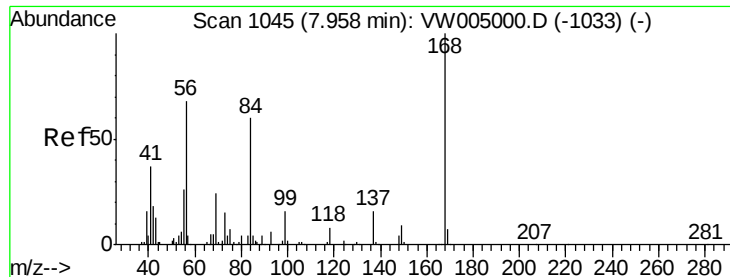
Manual Integrations
APPROVED

apatel
8/30/2018 12:44:01 PM

Quant Time: Aug 30 01:59:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082918S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 30 01:51:13 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	166461	19.972	ug/l	100
94) Hexachlorobutadiene	15.25	225	105930	20.304	ug/l	99
95) Naphthalene	15.38	128	276966	20.533	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	149473	20.301	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

Tot Ion:168 Resp: 480333

Ion Ratio Lower Upper

168 100

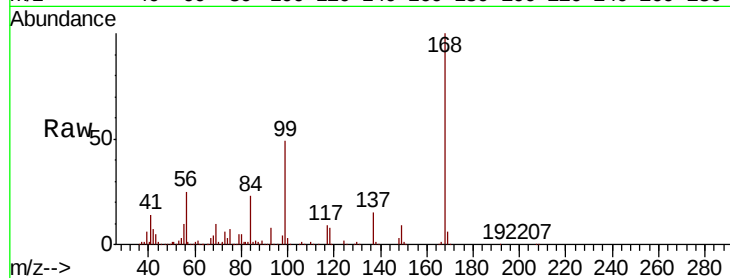
99 48.9 40.2 60.2

Manual Integrations

APPROVED

apatel

8/30/2018 12:44:01 PM



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

150000

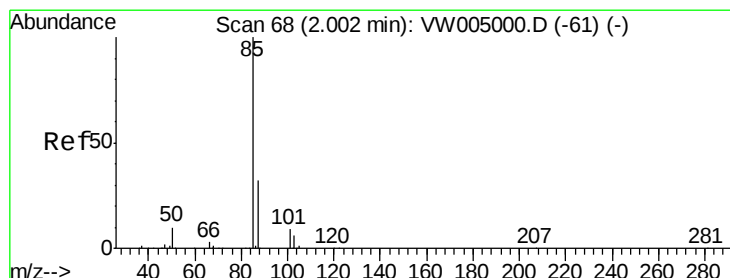
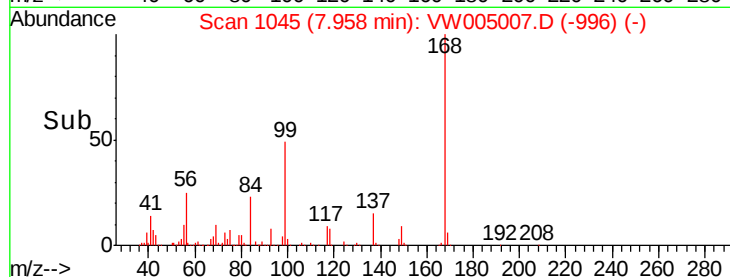
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.787 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW005007.D

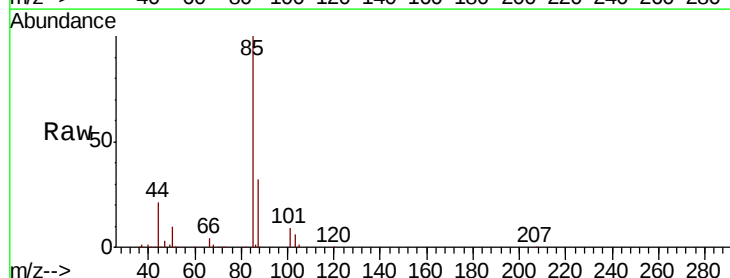
Acq: 29 Aug 2018 16:54

Tgt Ion: 85 Resp: 94559

Ion Ratio Lower Upper

85 100

87 31.9 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

60000

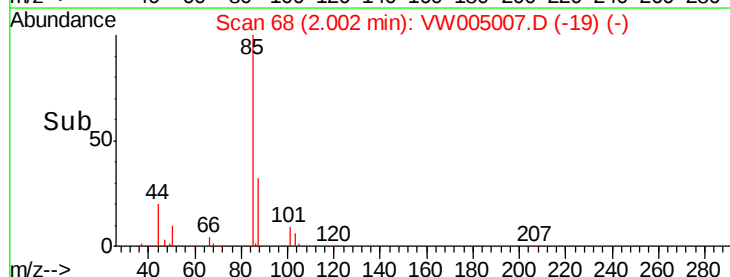
40000

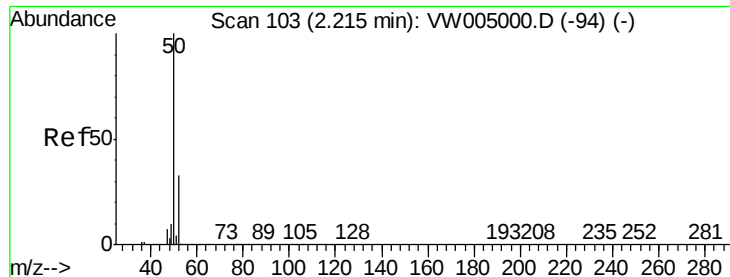
20000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 21.602 ug/l

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

Tot Ion: 50 Resp: 127305

Ion Ratio Lower Upper

50 100

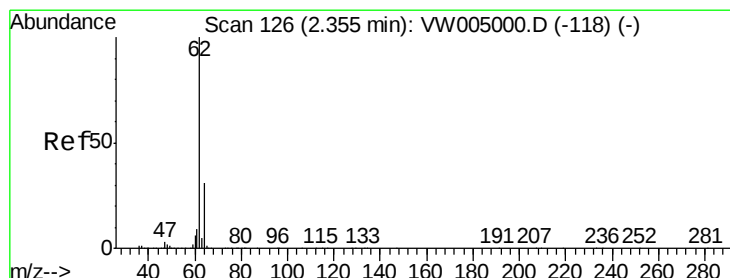
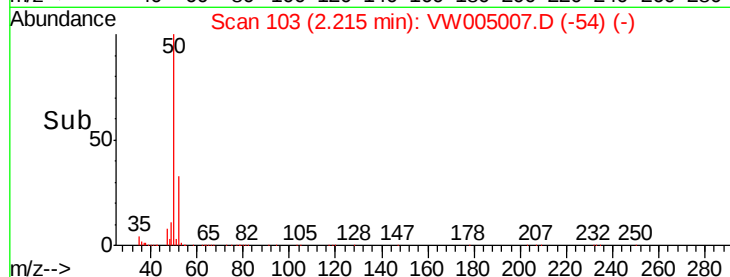
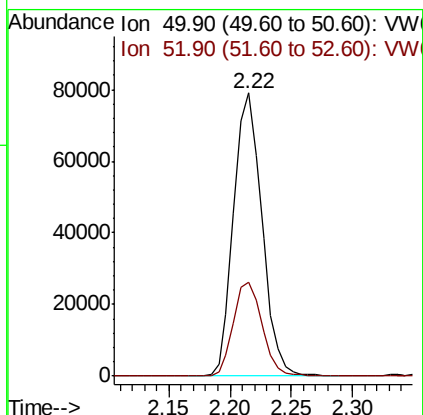
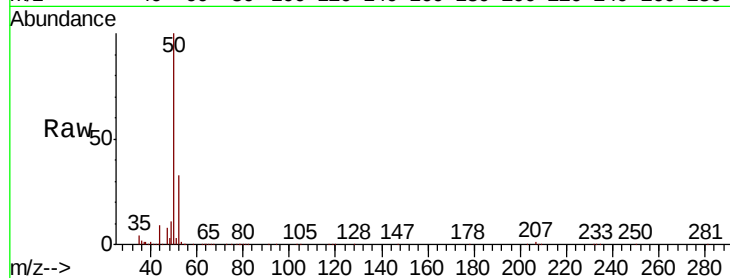
52 33.0 26.1 39.1

Manual Integrations

APPROVED

apatel

8/30/2018 12:44:01 PM



#4

Vinyl Chloride

Concen: 21.294 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW005007.D

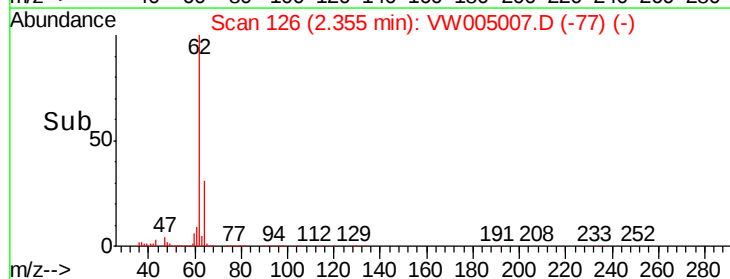
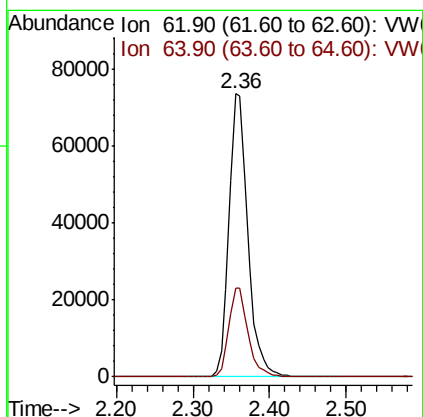
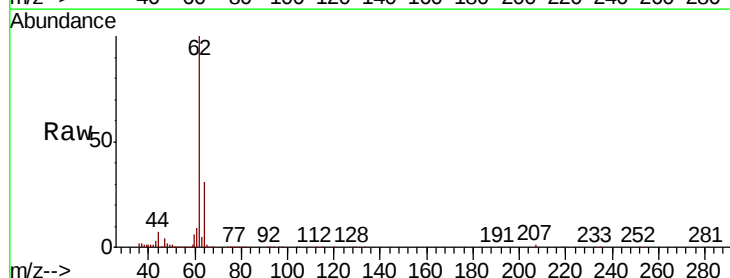
Acq: 29 Aug 2018 16:54

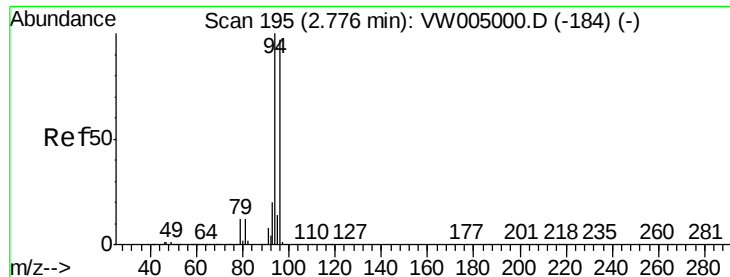
Tgt Ion: 62 Resp: 125267

Ion Ratio Lower Upper

62 100

64 31.2 24.8 37.2





#5

Bromomethane

Concen: 20.218 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.01 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

Tot Ion: 94 Resp: 77743

Ion Ratio Lower Upper

94 100

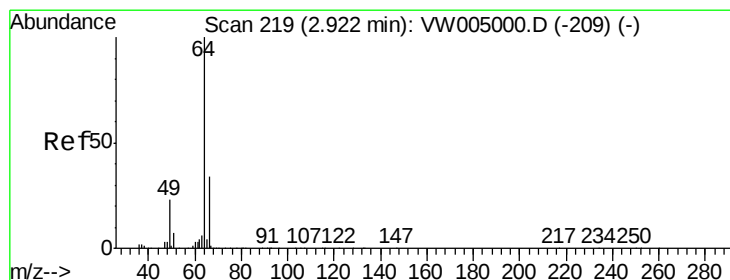
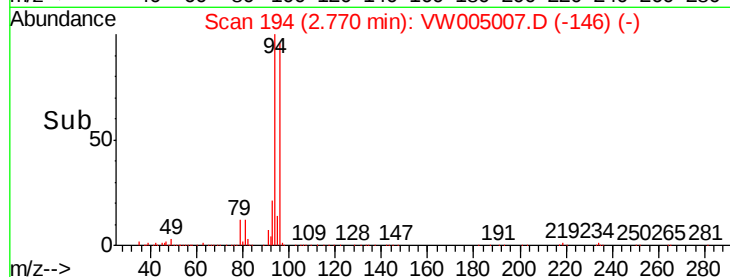
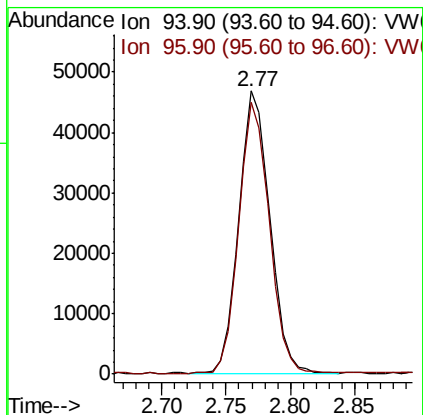
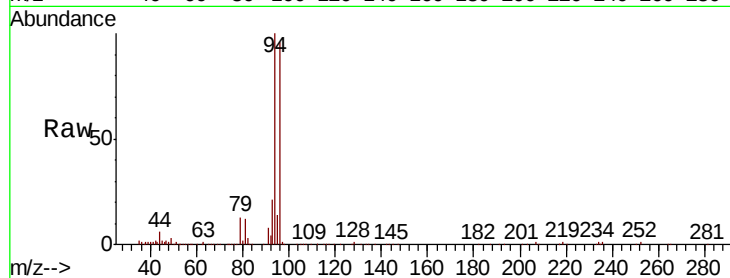
96 96.1 77.5 116.3

Manual Integrations

APPROVED

apatel

8/30/2018 12:44:01 PM



#6

Chloroethane

Concen: 20.334 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW005007.D

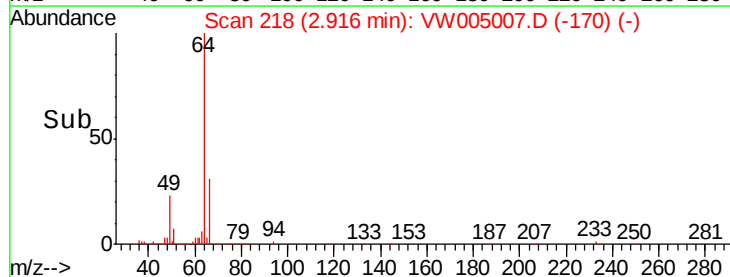
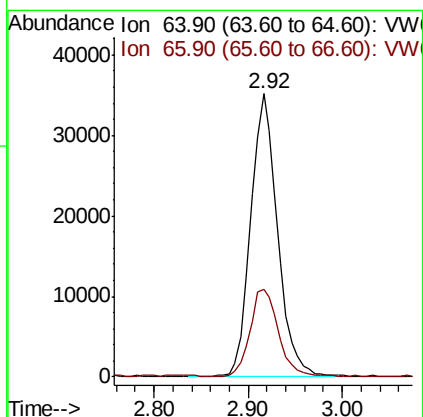
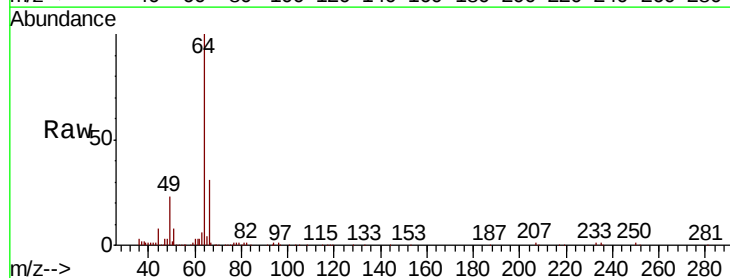
Acq: 29 Aug 2018 16:54

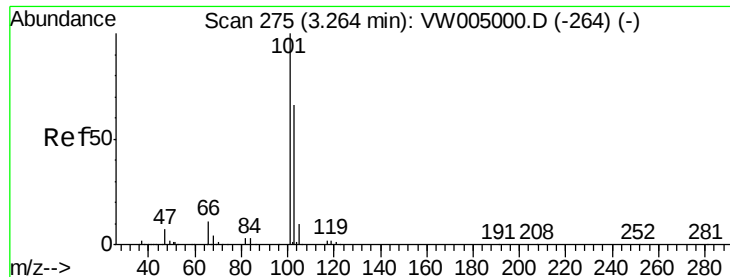
Tgt Ion: 64 Resp: 70733

Ion Ratio Lower Upper

64 100

66 30.8 26.8 40.2





#7

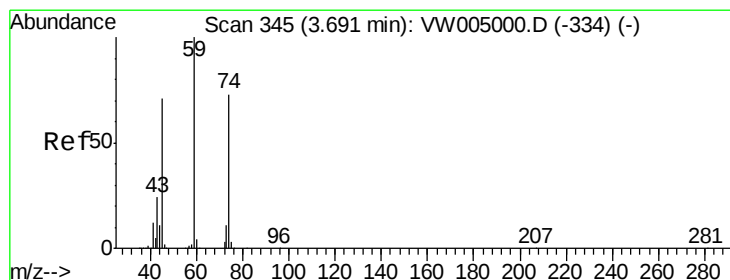
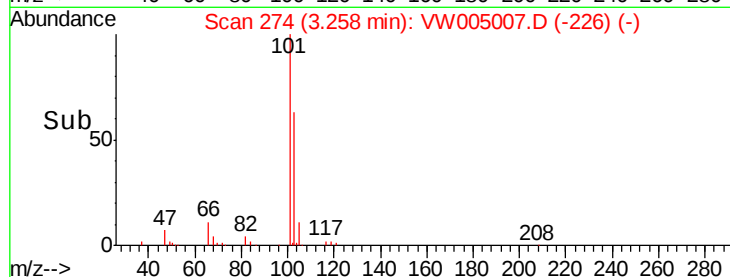
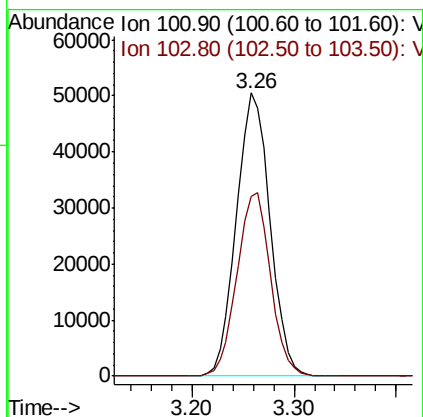
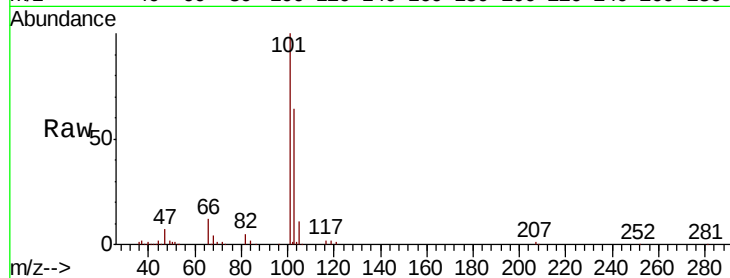
Trichlorofluoromethane
 Concen: 19.066 ug/l
 RT: 3.26 min Scan# 274
 Delta R.T. -0.01 min
 Lab File: VW005007.D
 Acq: 29 Aug 2018 16:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.6	78.8

Manual Integrations
 APPROVED

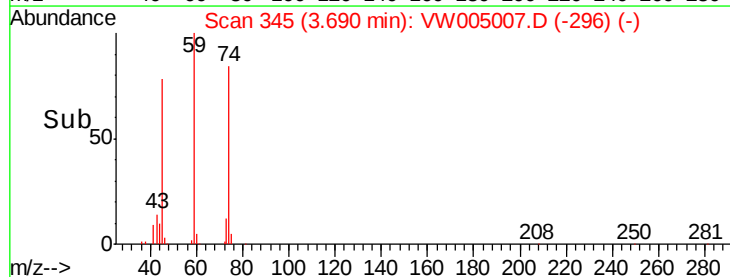
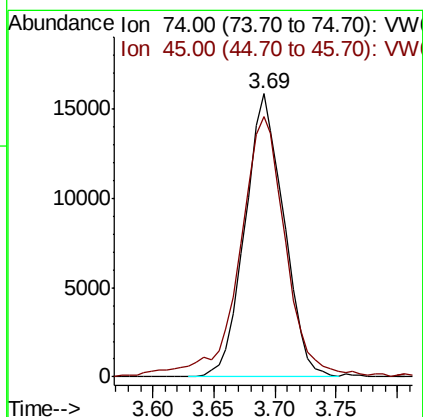
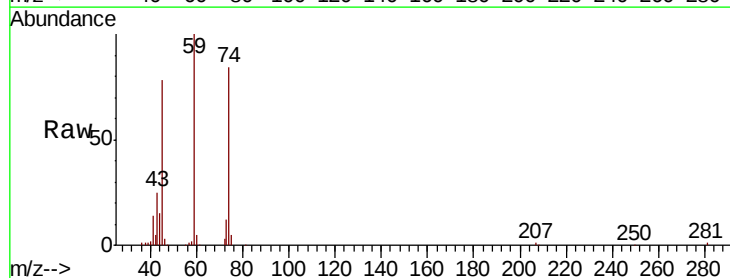
apatel
 8/30/2018 12:44:01 PM

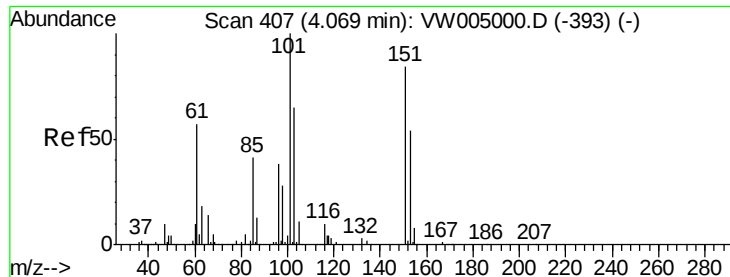


#8

Diethyl Ether
 Concen: 20.221 ug/l
 RT: 3.69 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VW005007.D
 Acq: 29 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.3	47.8	143.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.535 ug/l

RT: 4.06 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Instrument :

MSVOA_W

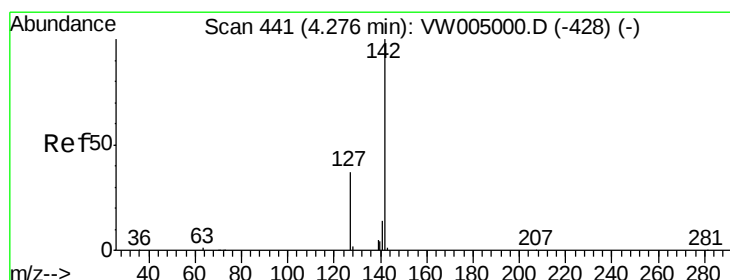
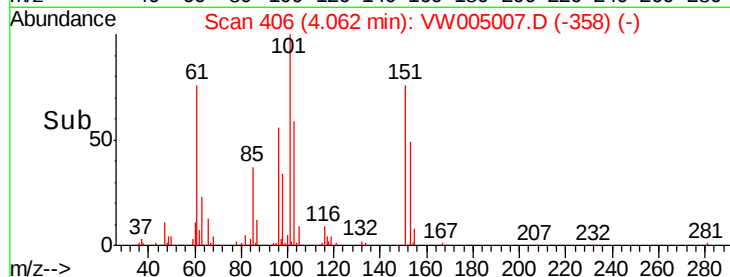
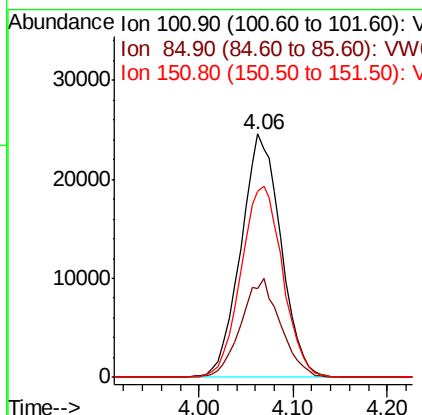
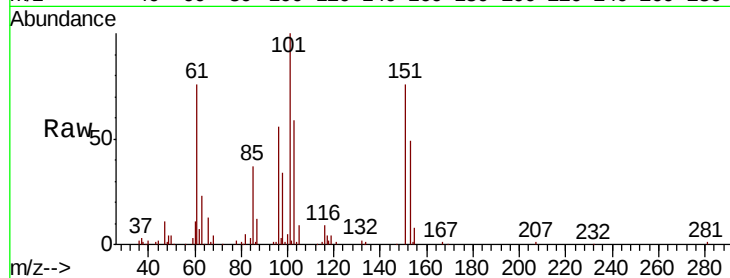
ClientSampleId :

VW0829SBS01

Tot Ion:	101	Resp:	73340
Ion Ratio	Lower	Upper	
101	100		
85	39.9	33.4	50.0
151	81.4	67.0	100.4

Manual Integrations
APPROVED

apatel
8/30/2018 12:44:01 PM



#10

Methyl Iodide

Concen: 18.304 ug/l

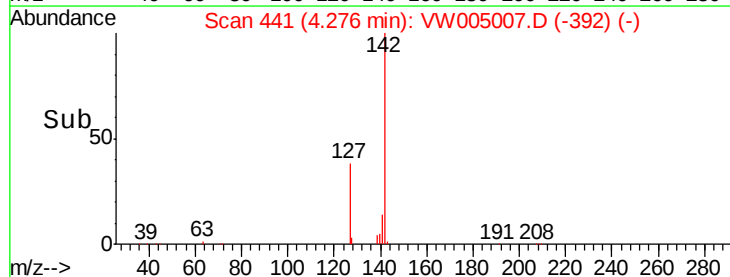
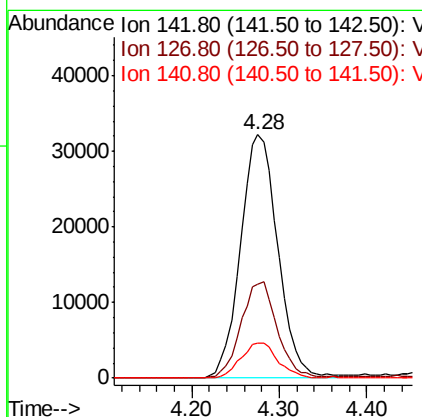
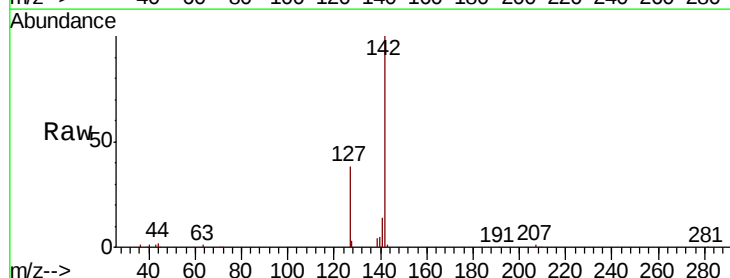
RT: 4.28 min Scan# 441

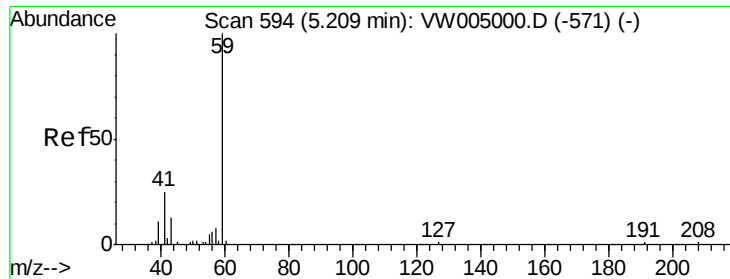
Delta R.T. 0.00 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Tgt Ion:	142	Resp:	95397
Ion Ratio	Lower	Upper	
142	100		
127	38.5	31.1	46.7
141	14.3	11.4	17.2





#11

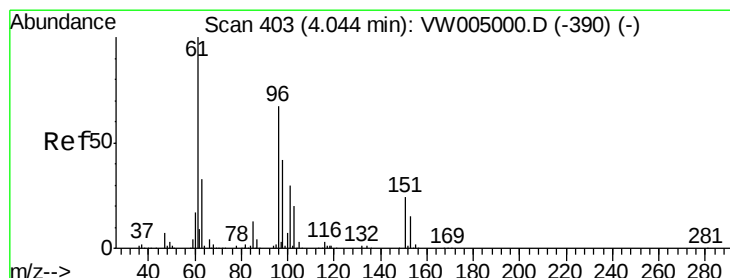
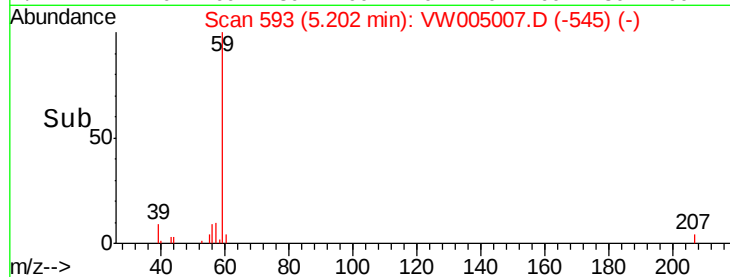
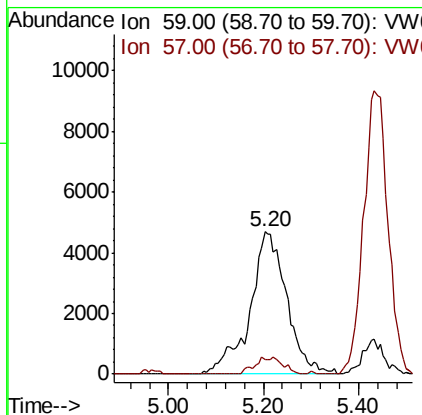
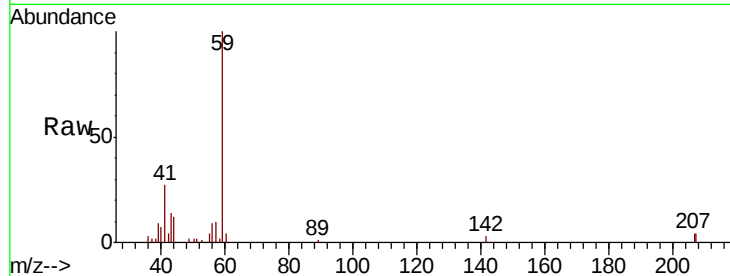
Tert butyl alcohol
 Concen: 105.813 ug/l m
 RT: 5.20 min Scan# 593
 Delta R.T. -0.01 min
 Lab File: VW005007.D
 Acq: 29 Aug 2018 16:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	25191		
57	8.9		8.1	12.1

Manual Integrations
 APPROVED

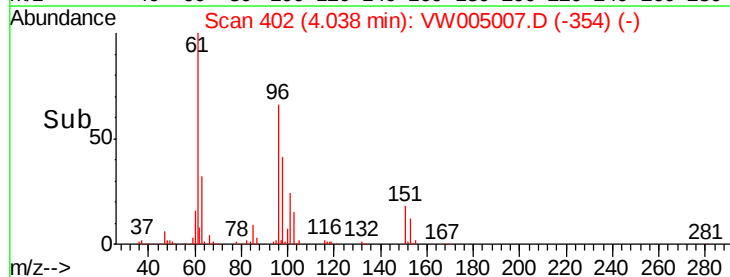
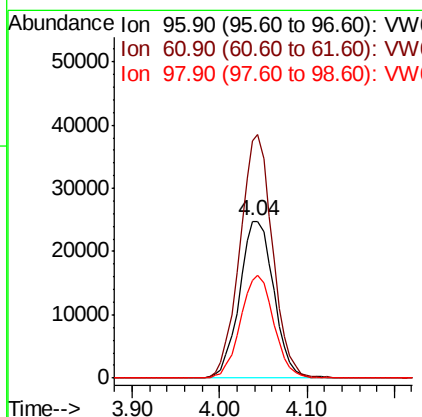
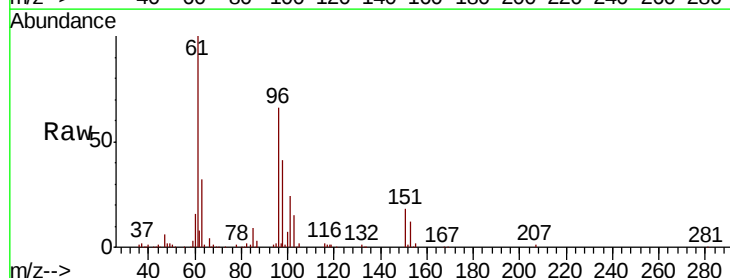
apatel
 8/30/2018 12:44:01 PM

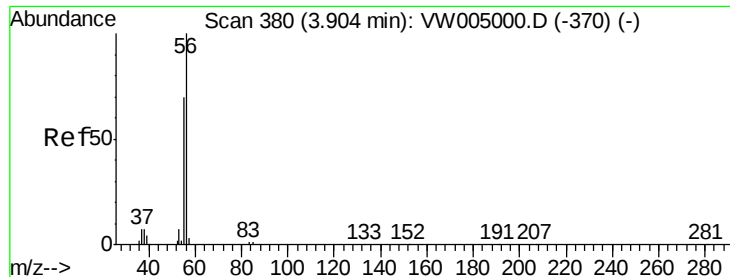


#12

1,1-Dichloroethene
 Concen: 19.144 ug/l
 RT: 4.04 min Scan# 402
 Delta R.T. -0.01 min
 Lab File: VW005007.D
 Acq: 29 Aug 2018 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	67145		
61	151.4		119.5	179.3
98	62.1		50.4	75.6





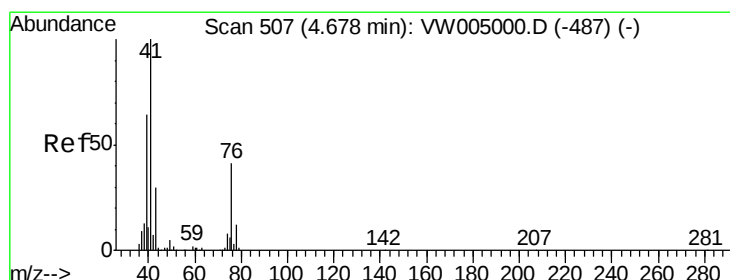
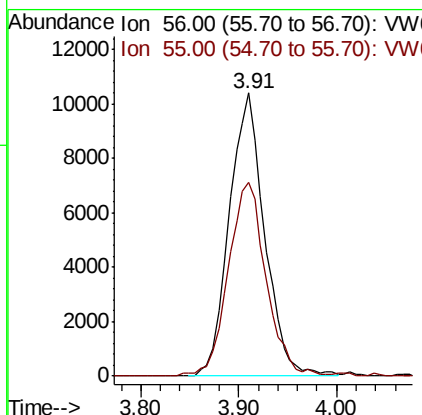
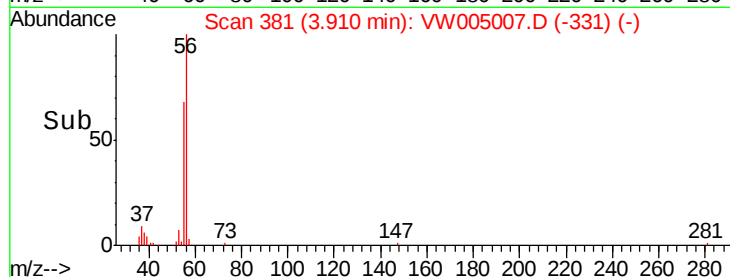
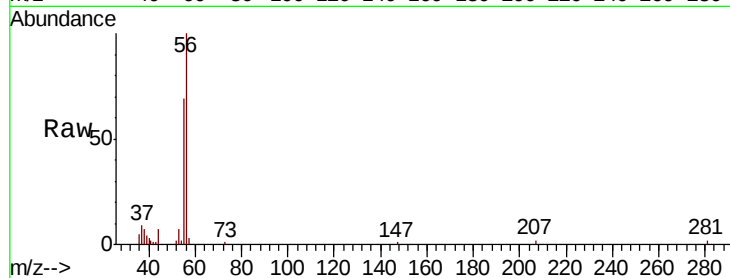
#13
Acrolein
Concen: 92.882 ug/l
RT: 3.91 min Scan# 381
Delta R.T. 0.01 min
Lab File: VW005007.D
Acq: 29 Aug 2018 16:54

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.2	56.4	84.6

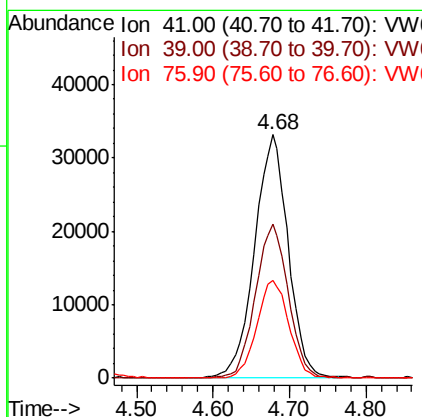
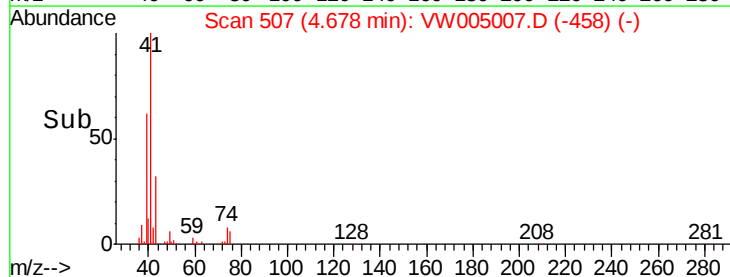
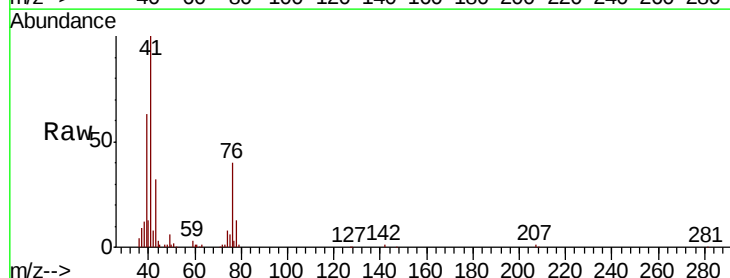
Manual Integrations
APPROVED

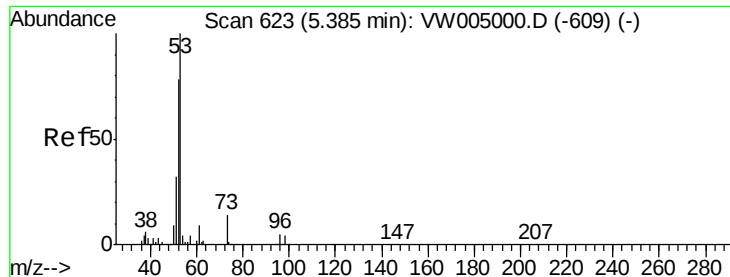
apatel
8/30/2018 12:44:01 PM



#14
Allyl chloride
Concen: 18.798 ug/l
RT: 4.68 min Scan# 507
Delta R.T. -0.00 min
Lab File: VW005007.D
Acq: 29 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.5	49.4	74.2
76	38.6	31.4	47.2





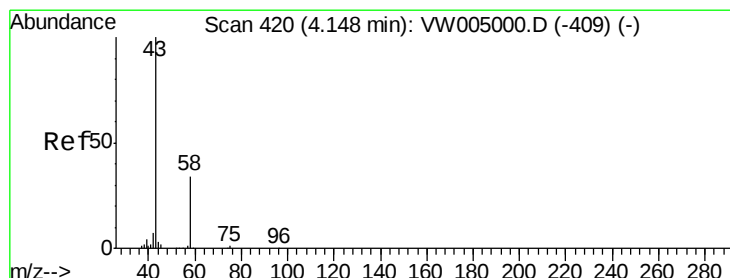
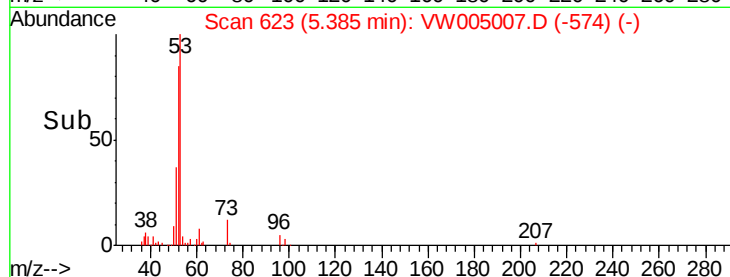
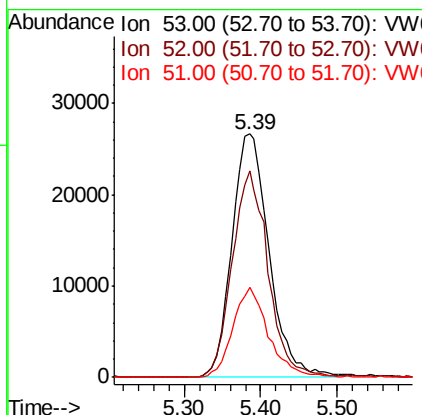
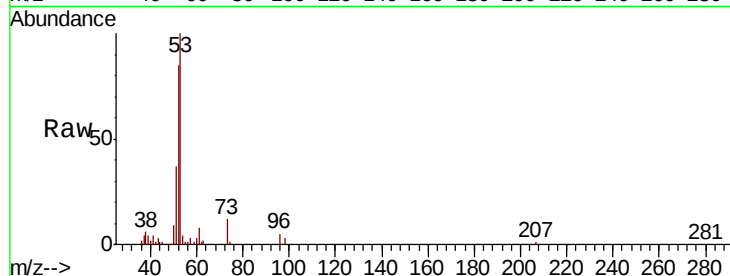
#15
 Acrylonitrile
 Concen: 101.969 ug/l
 RT: 5.39 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: VW005007.D
 Acq: 29 Aug 2018 16:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

Tot Ion:	53	Resp:	89933
Ion Ratio	Lower	Upper	
53	100		
52	81.8	65.0	97.6
51	35.4	28.6	43.0

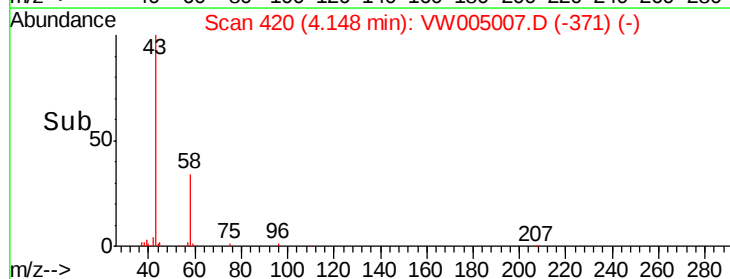
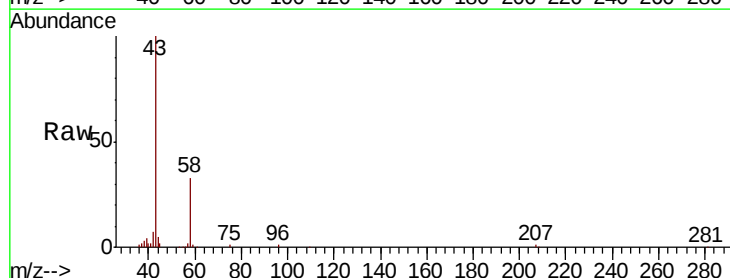
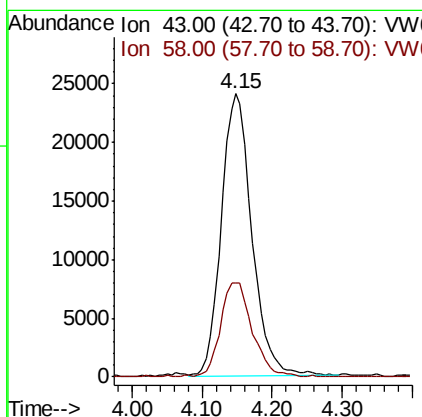
Manual Integrations
 APPROVED

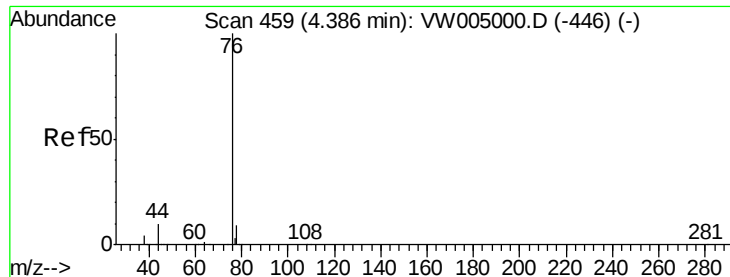
apatel
 8/30/2018 12:44:01 PM



#16
 Acetone
 Concen: 98.339 ug/l
 RT: 4.15 min Scan# 420
 Delta R.T. -0.00 min
 Lab File: VW005007.D
 Acq: 29 Aug 2018 16:54

Tgt Ion:	43	Resp:	72865
Ion Ratio	Lower	Upper	
43	100		
58	33.6	27.2	40.8





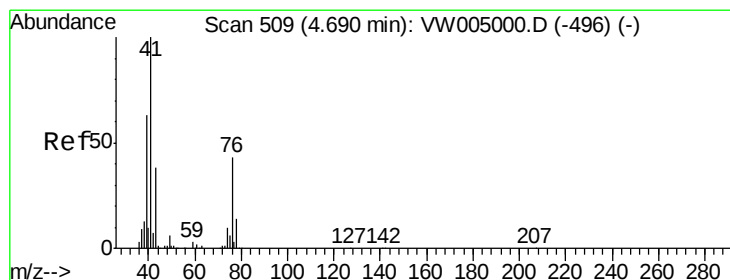
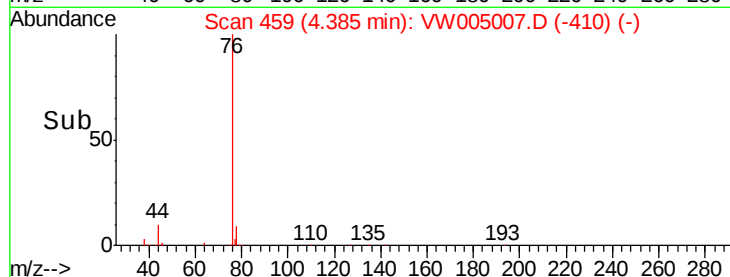
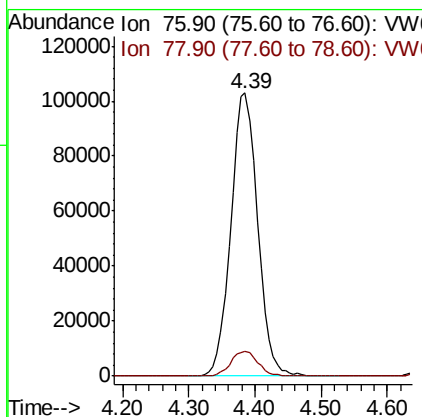
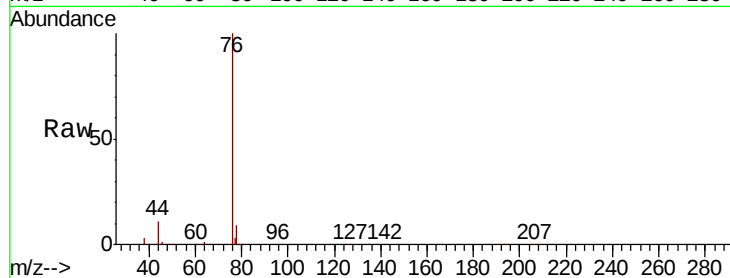
#17
Carbon Disulfide
Concen: 19.595 ug/l
RT: 4.39 min Scan# 459
Delta R.T. -0.00 min
Lab File: VW005007.D
Acq: 29 Aug 2018 16:54

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

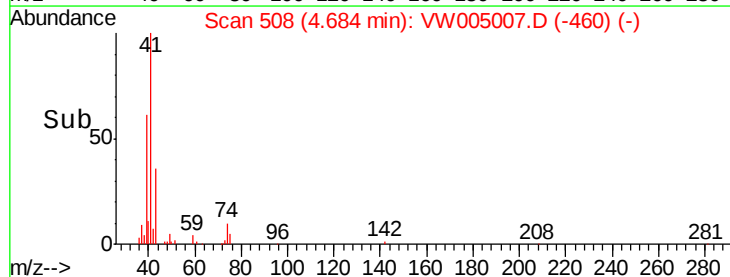
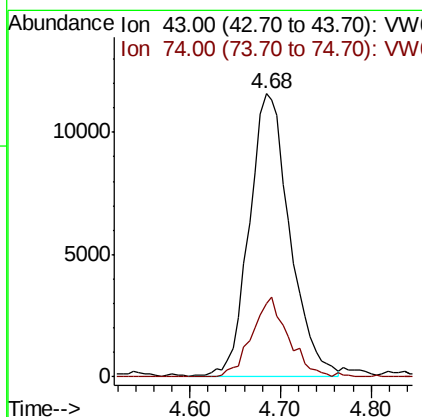
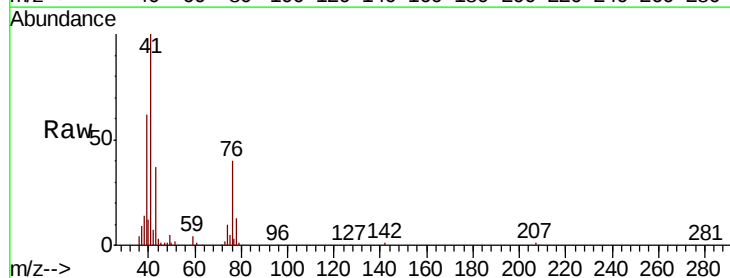
Manual Integrations
APPROVED

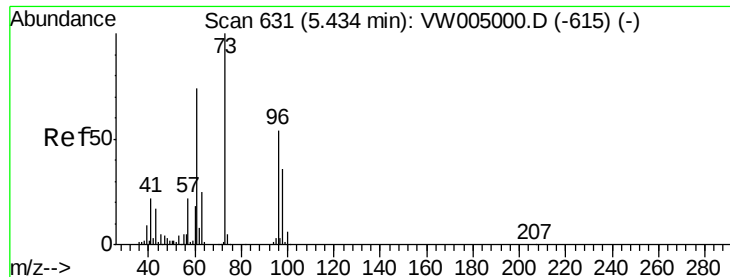
apatel
8/30/2018 12:44:01 PM



#18
Methyl Acetate
Concen: 20.010 ug/l
RT: 4.68 min Scan# 508
Delta R.T. -0.01 min
Lab File: VW005007.D
Acq: 29 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	20.3	30.5





#19

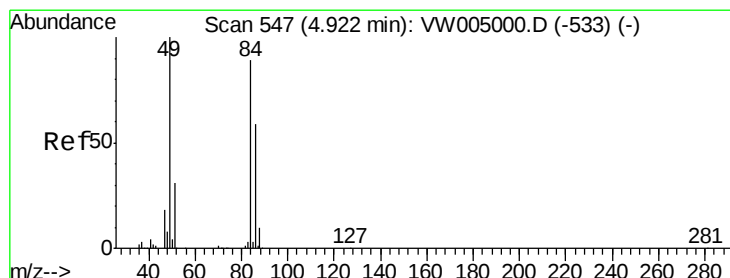
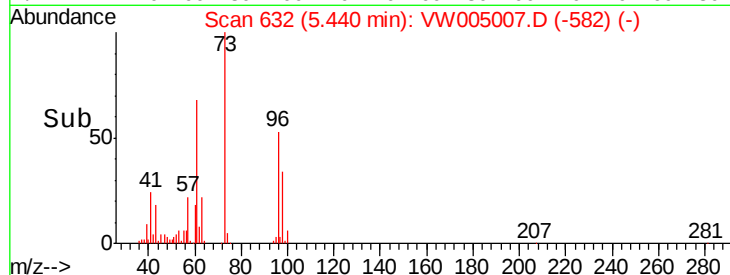
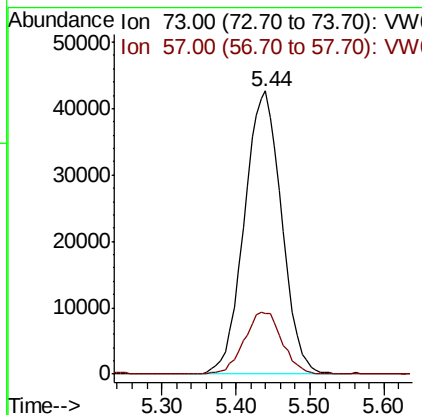
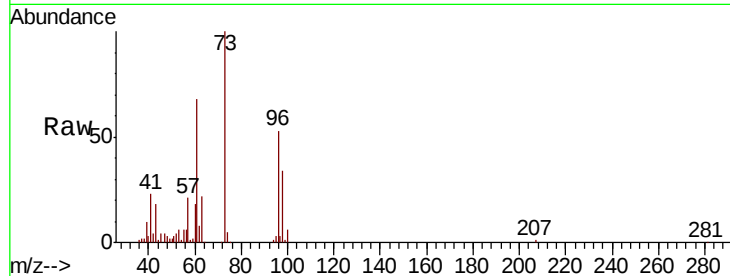
Methyl tert-butyl Ether
 Concen: 19.850 ug/l
 RT: 5.44 min Scan# 632
 Delta R.T. 0.01 min
 Lab File: VW005007.D
 Acq: 29 Aug 2018 16:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

Tot Ion: 73 Resp: 149619
 Ion Ratio Lower Upper
 73 100
 57 21.5 17.6 26.4

Manual Integrations
 APPROVED

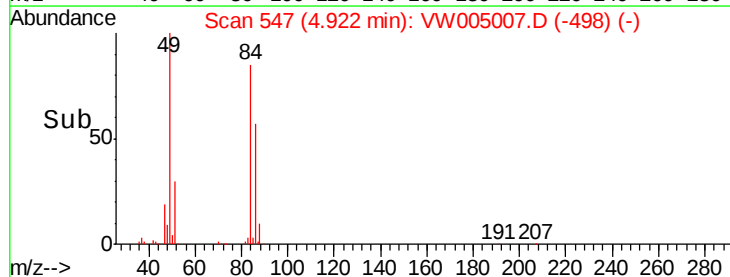
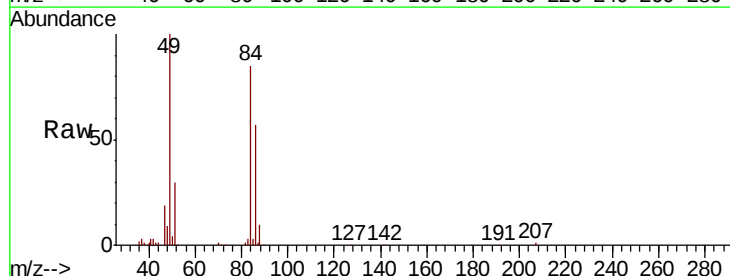
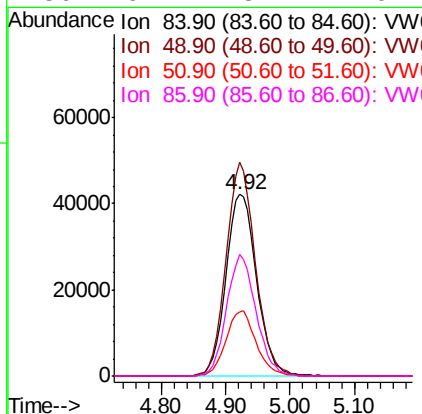
apatel
 8/30/2018 12:44:01 PM

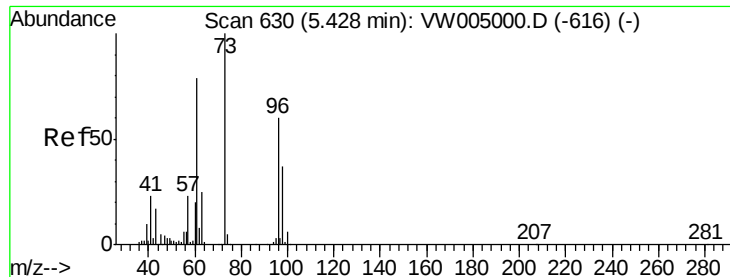


#20

Methylene Chloride
 Concen: 24.449 ug/l
 RT: 4.92 min Scan# 547
 Delta R.T. -0.00 min
 Lab File: VW005007.D
 Acq: 29 Aug 2018 16:54

Tgt Ion: 84 Resp: 140594
 Ion Ratio Lower Upper
 84 100
 49 117.6 89.7 134.5
 51 35.3 27.5 41.3
 86 67.2 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 19.194 ug/l

RT: 5.43 min Scan# 630

Delta R.T. -0.00 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

Tot Ion: 96 Resp: 73099

Ion Ratio Lower Upper

96 100

61 132.1 106.2 159.2

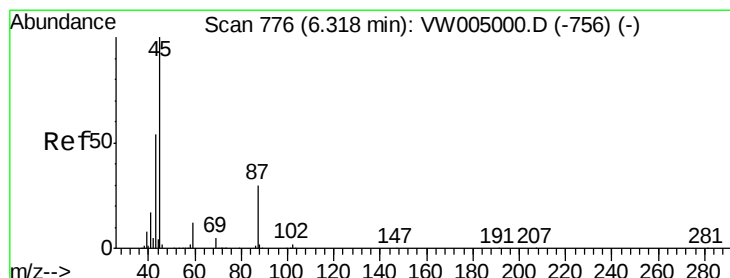
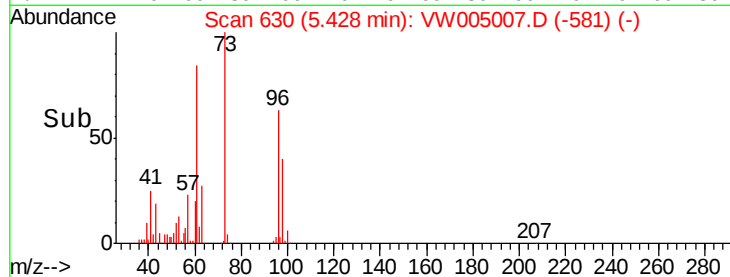
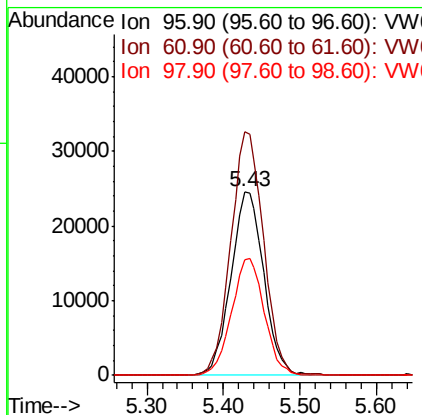
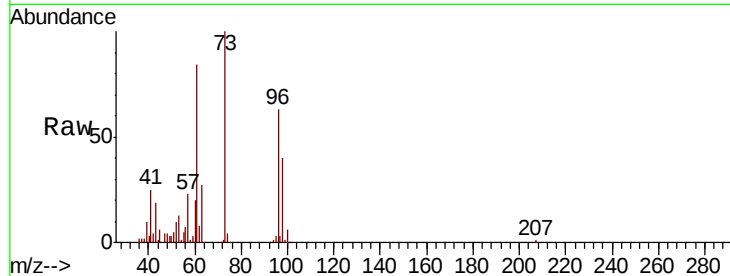
98 63.1 49.5 74.3

Manual Integrations

APPROVED

apatel

8/30/2018 12:44:01 PM



#22

Diisopropyl ether

Concen: 19.173 ug/l

RT: 6.32 min Scan# 777

Delta R.T. 0.01 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Tgt Ion: 45 Resp: 211384

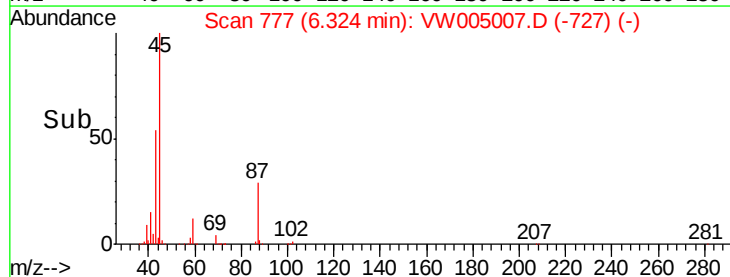
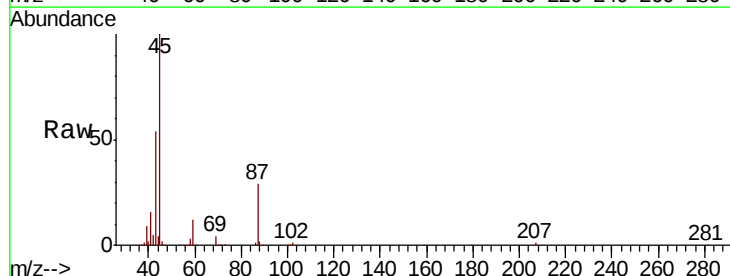
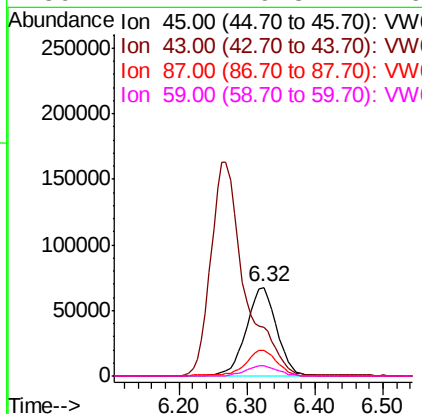
Ion Ratio Lower Upper

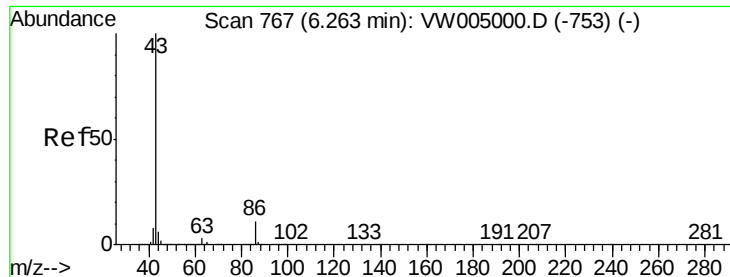
45 100

43 53.6 43.5 65.3

87 29.3 23.8 35.8

59 12.1 9.8 14.6





#23

Vinyl Acetate

Concen: 100.060 ug/l

RT: 6.27 min Scan# 768

Delta R.T. 0.01 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Instrument :

MSVOA_W

ClientSampled :

VW0829SBS01

Tot Ion: 43 Resp: 564030

Ion Ratio Lower Upper

43 100

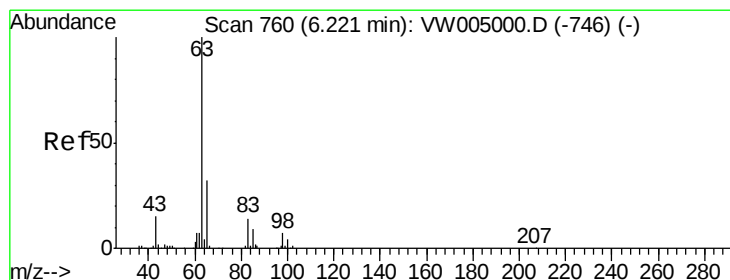
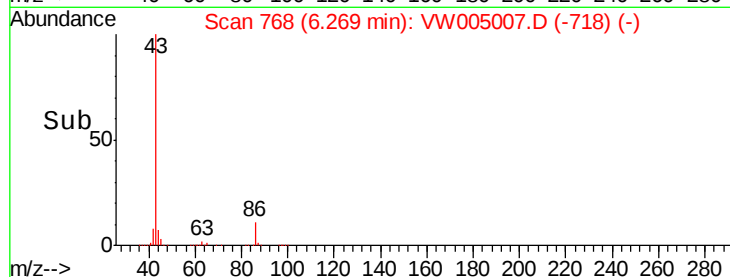
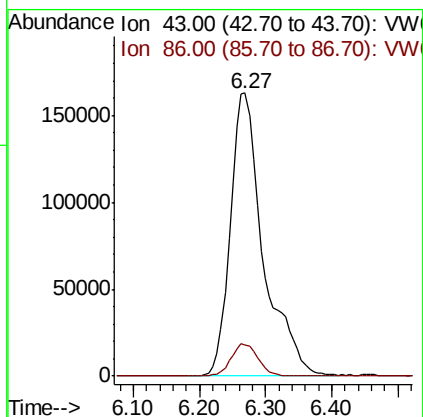
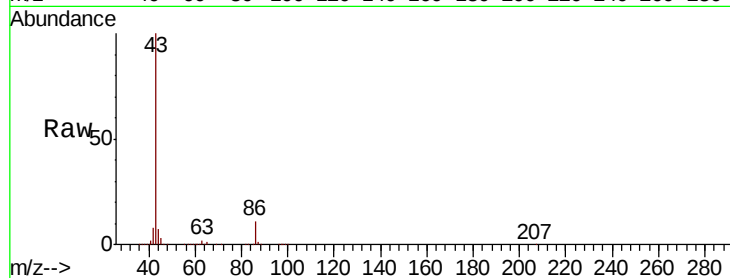
86 11.2 9.0 13.6

Manual Integrations

APPROVED

apatel

8/30/2018 12:44:01 PM



#24

1,1-Dichloroethane

Concen: 18.677 ug/l

RT: 6.23 min Scan# 761

Delta R.T. 0.01 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

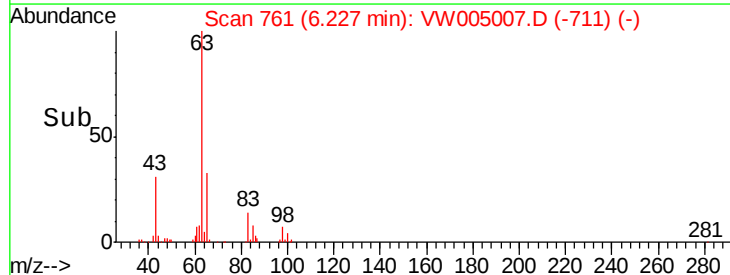
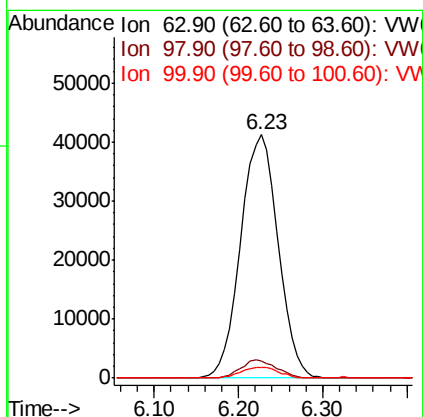
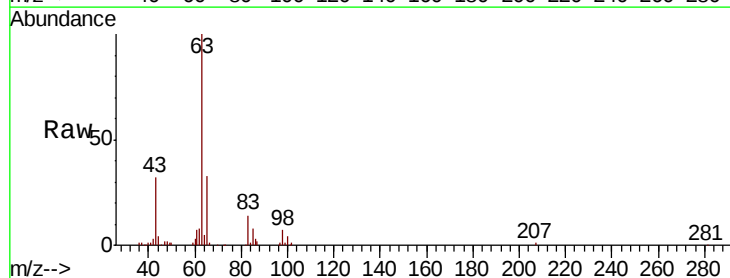
Tgt Ion: 63 Resp: 124591

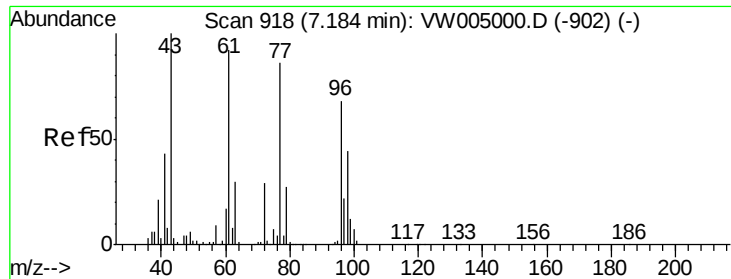
Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.2

100 4.2 2.2 6.6





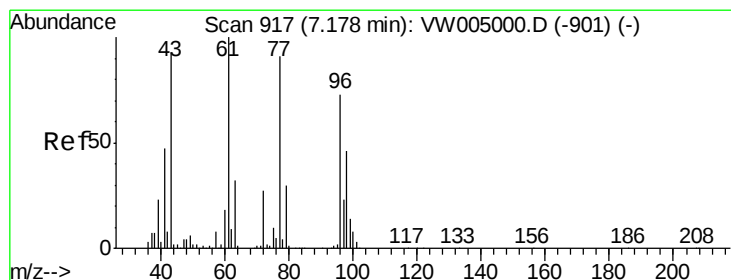
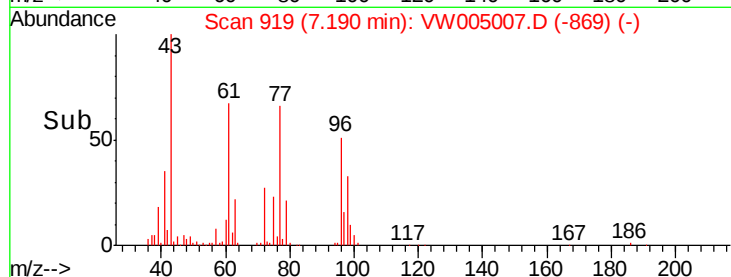
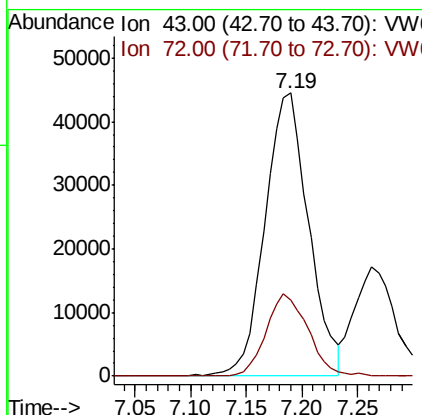
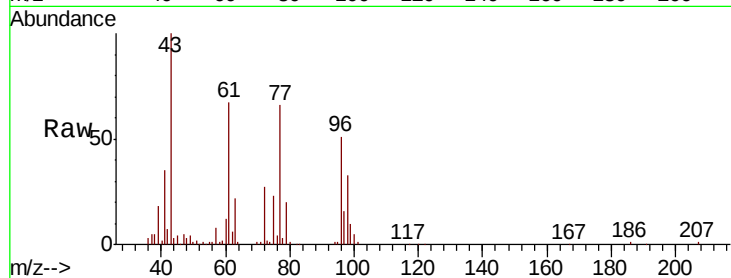
#25
 2-Butanone
 Concen: 104.890 ug/l
 RT: 7.19 min Scan# 919
 Delta R.T. 0.01 min
 Lab File: VW005007.D
 Acq: 29 Aug 2018 16:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

Tot Ion: 43 Resp: 121197
 Ion Ratio Lower Upper
 43 100
 72 27.0 23.4 35.2

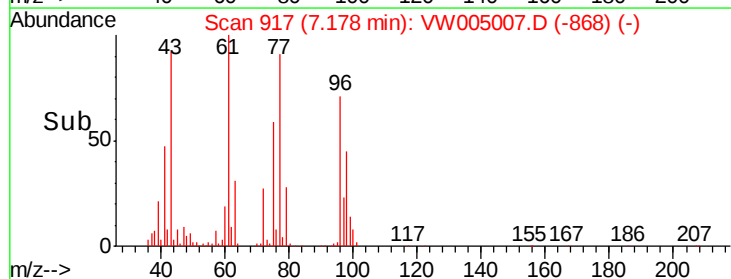
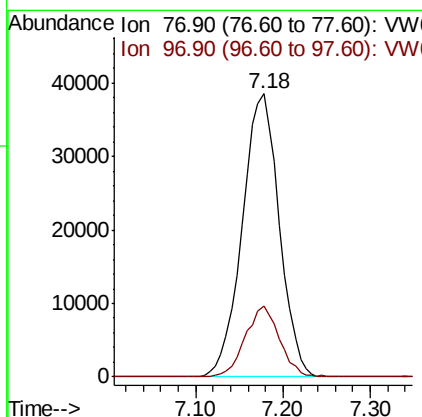
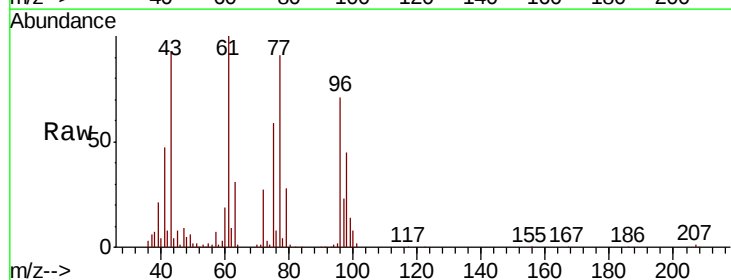
Manual Integrations
 APPROVED

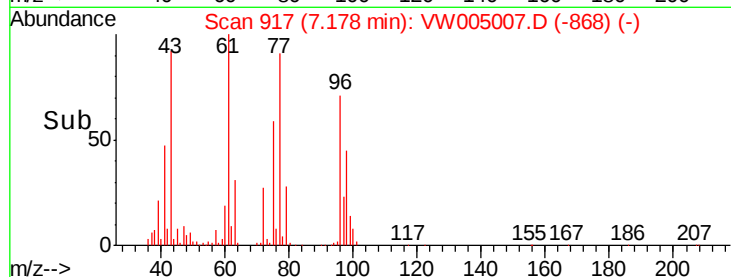
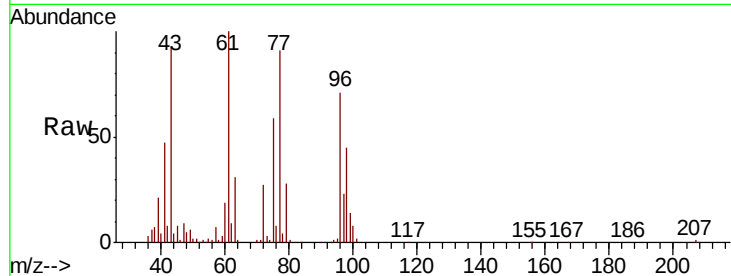
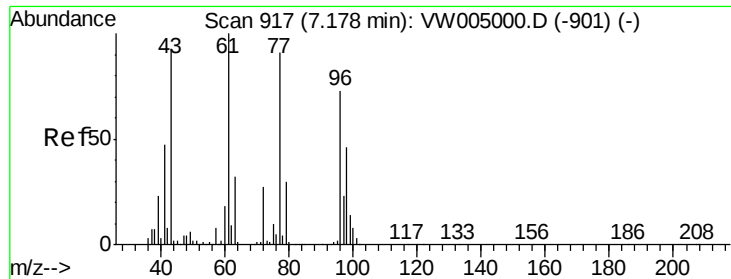
apatel
 8/30/2018 12:44:01 PM



#26
 2,2-Dichloropropane
 Concen: 19.339 ug/l
 RT: 7.18 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VW005007.D
 Acq: 29 Aug 2018 16:54

Tgt Ion: 77 Resp: 113232
 Ion Ratio Lower Upper
 77 100
 97 23.1 12.2 36.4





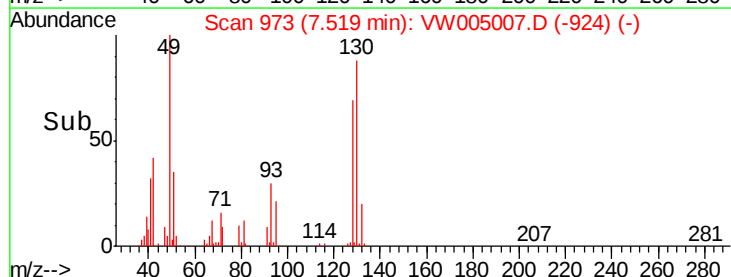
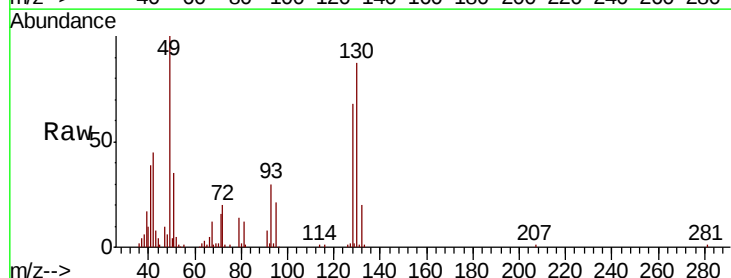
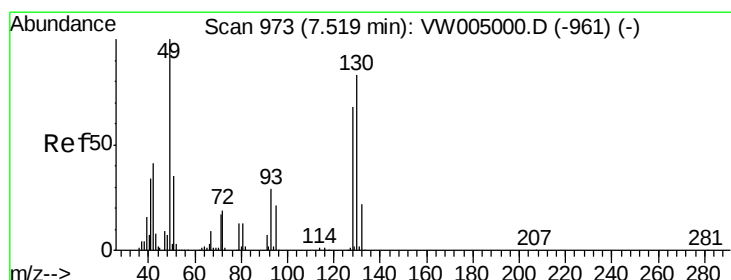
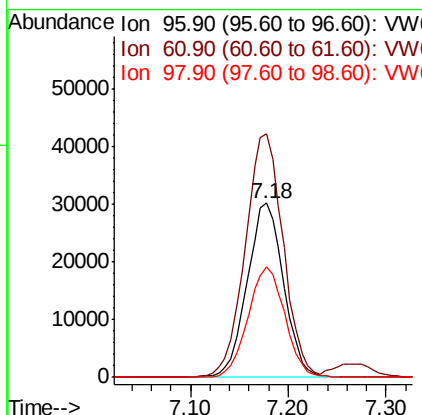
#27
 cis-1,2-Dichloroethene
 Concen: 18.884 ug/l
 RT: 7.18 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VW005007.D
 Acq: 29 Aug 2018 16:54

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.5	0.0	281.6
98	64.0	0.0	129.0

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

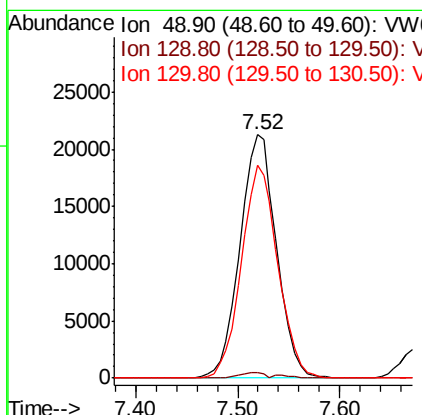
Manual Integrations
 APPROVED

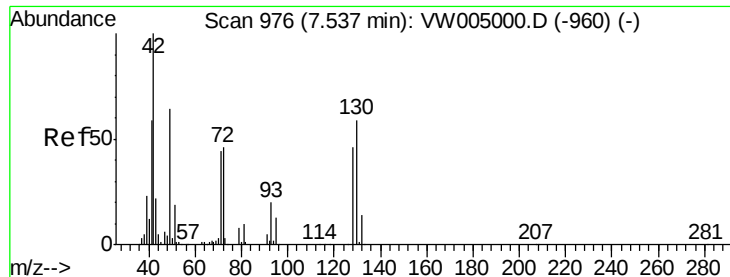
apatel
 8/30/2018 12:44:01 PM



#28
 Bromochloromethane
 Concen: 17.994 ug/l
 RT: 7.52 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VW005007.D
 Acq: 29 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.2
130	87.1	68.2	102.2





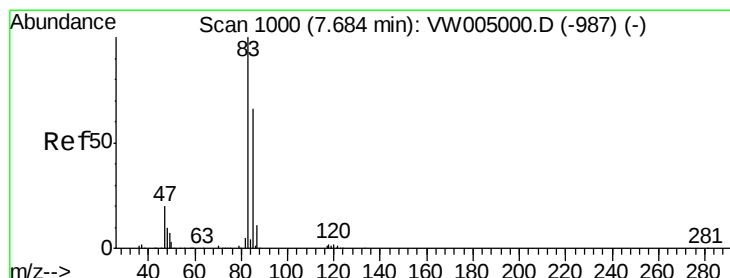
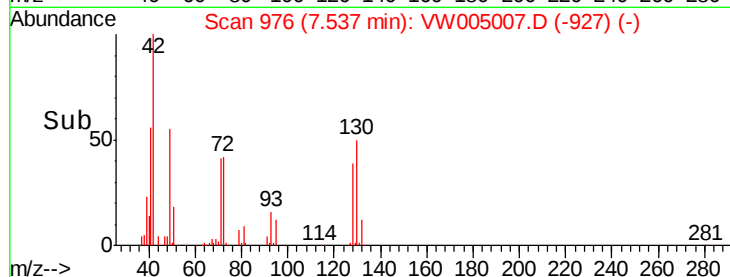
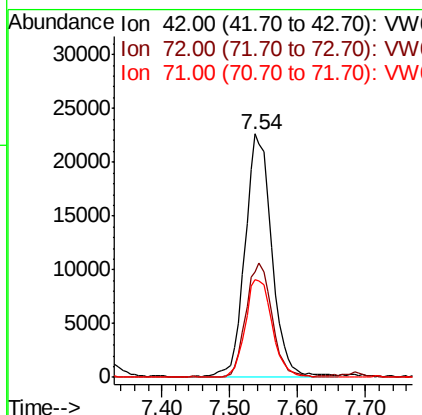
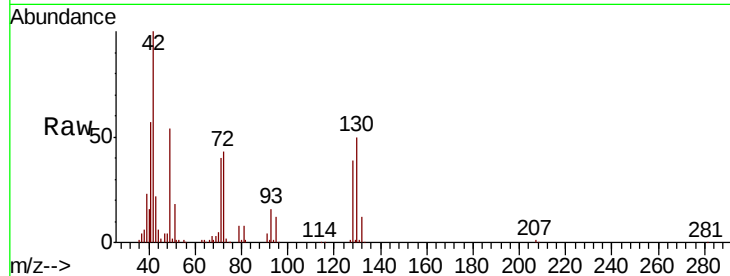
#29
Tetrahydrofuran
Concen: 106.966 ug/l
RT: 7.54 min Scan# 976
Delta R.T. -0.00 min
Lab File: VW005007.D
Acq: 29 Aug 2018 16:54

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	36.6	55.0
71	40.3	35.4	53.2

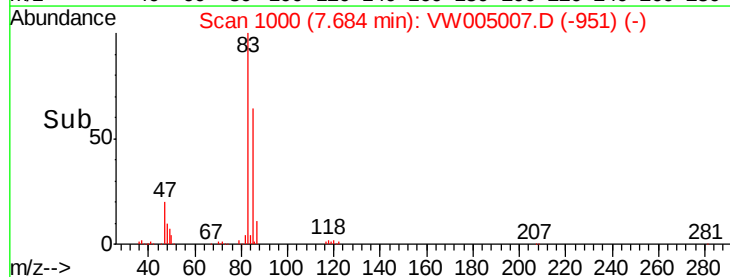
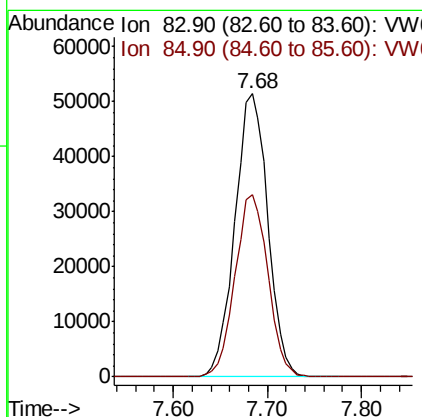
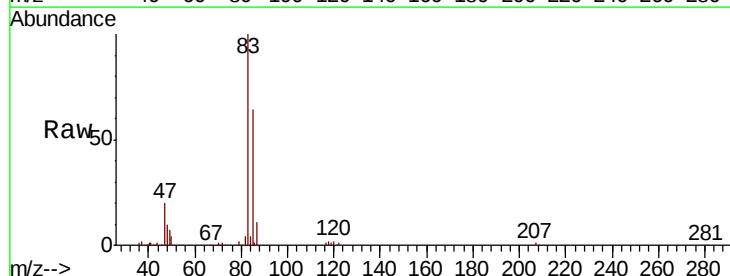
Manual Integrations
APPROVED

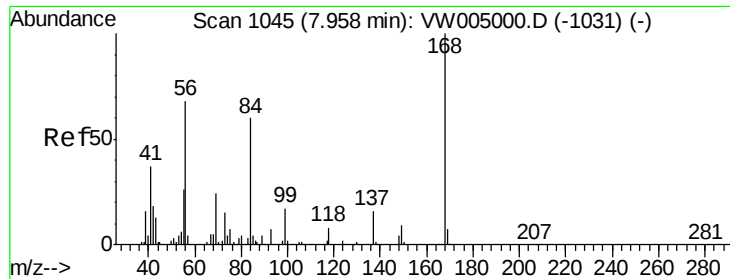
apatel
8/30/2018 12:44:01 PM



#30
Chloroform
Concen: 19.113 ug/l
RT: 7.68 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VW005007.D
Acq: 29 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.6	78.8





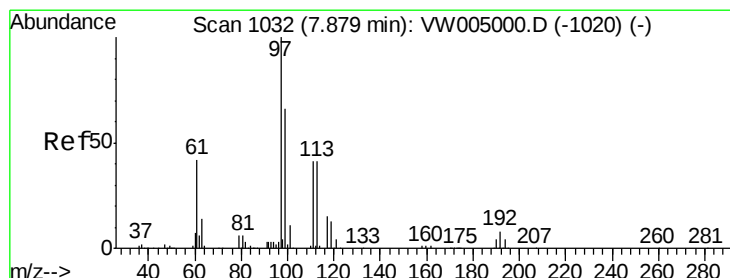
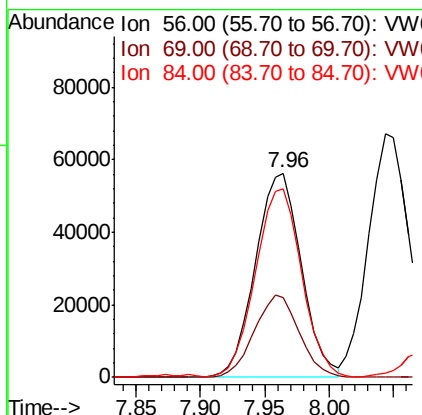
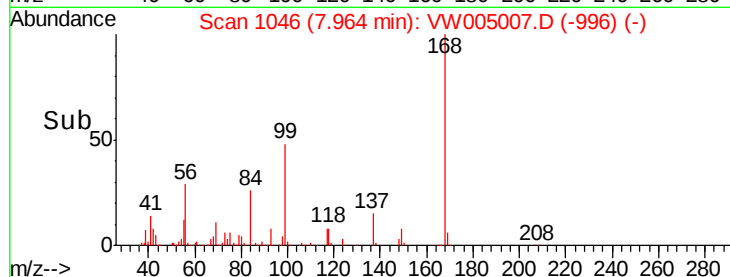
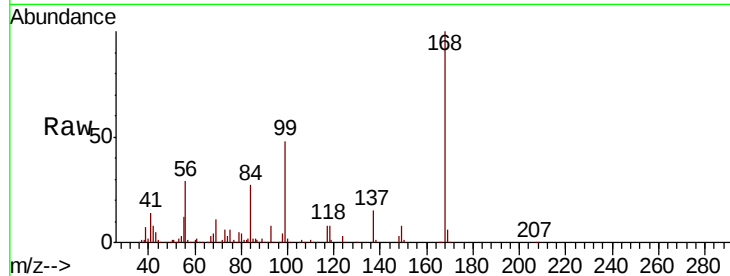
#31
Cyclohexane
Concen: 19.724 ug/l
RT: 7.96 min Scan# 1046
Delta R.T. 0.01 min
Lab File: VW005007.D
Acq: 29 Aug 2018 16:54

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	39.2	27.9	41.9	
84	91.3	70.5	105.7	

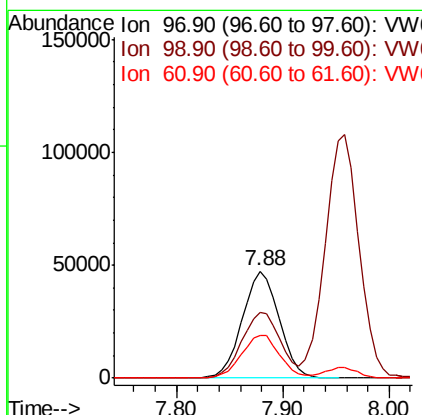
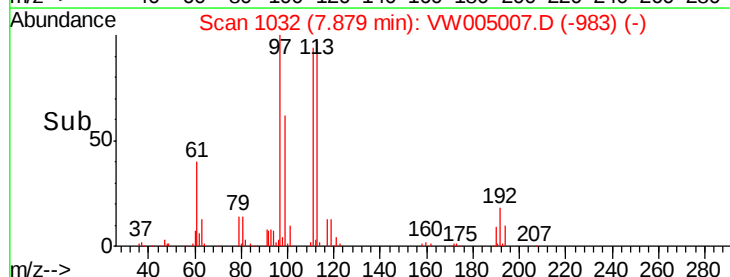
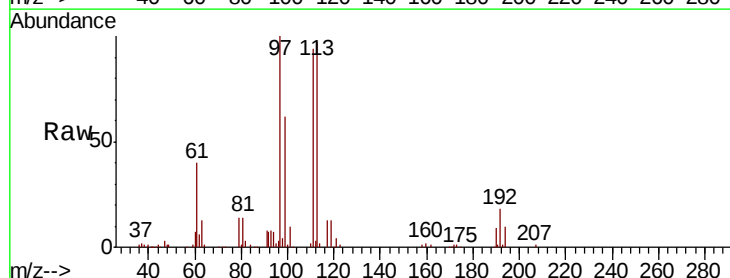
Manual Integrations
APPROVED

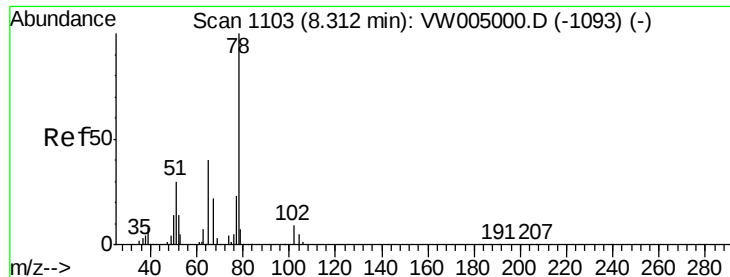
apatel
8/30/2018 12:44:01 PM



#32
1,1,1-Trichloroethane
Concen: 19.072 ug/l
RT: 7.88 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VW005007.D
Acq: 29 Aug 2018 16:54

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.5	52.3	78.5	
61	41.5	33.2	49.8	





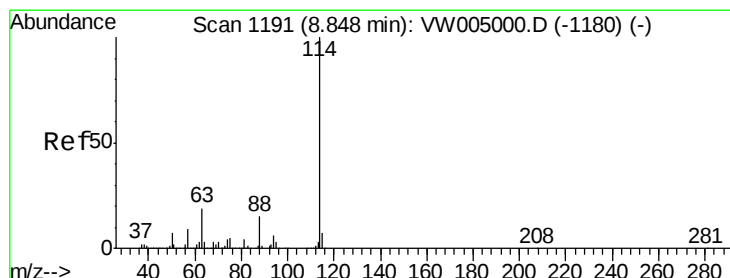
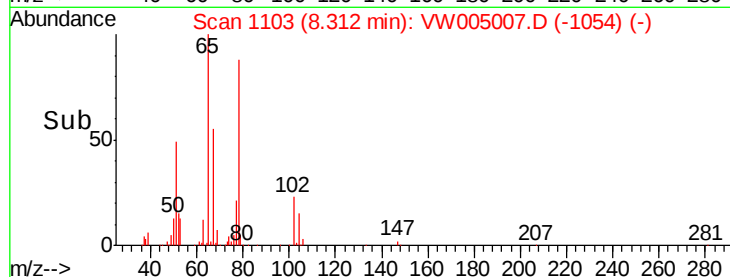
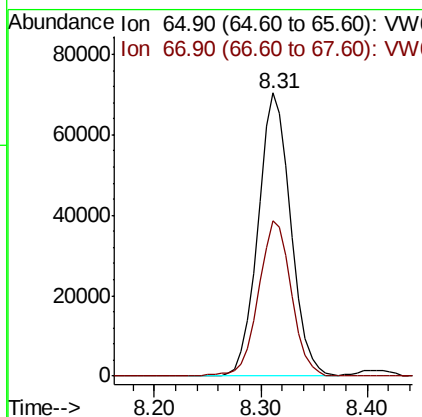
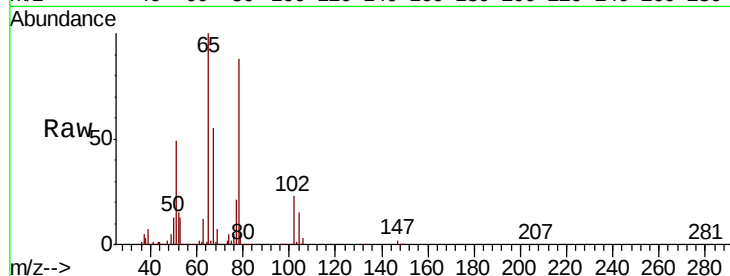
#33
 1,2-Dichloroethane-d4
 Concen: 45.908 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW005007.D
 Acq: 29 Aug 2018 16:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.6	0.0	112.8	

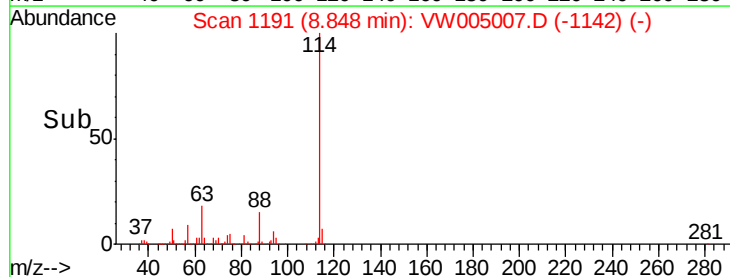
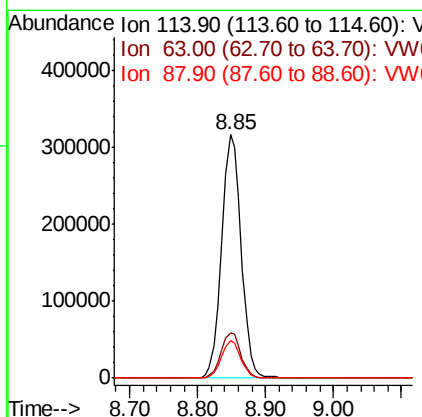
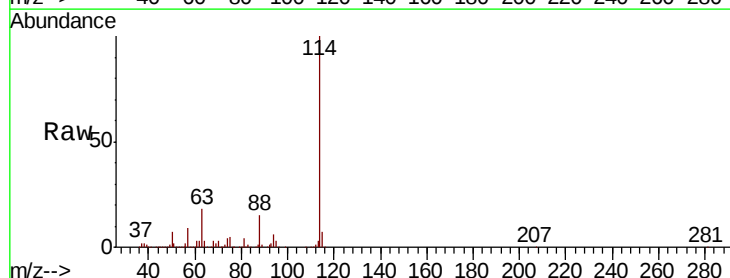
Manual Integrations
 APPROVED

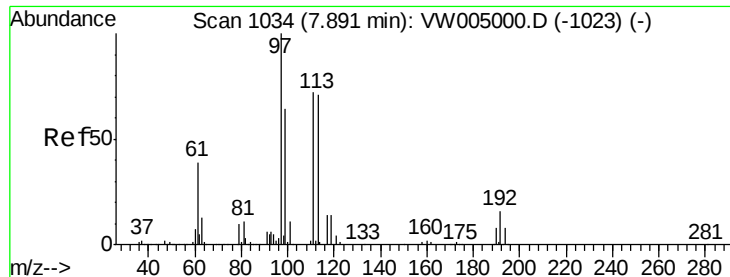
apatel
 8/30/2018 12:44:01 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW005007.D
 Acq: 29 Aug 2018 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.4	0.0	38.4	
88	15.4	0.0	30.6	





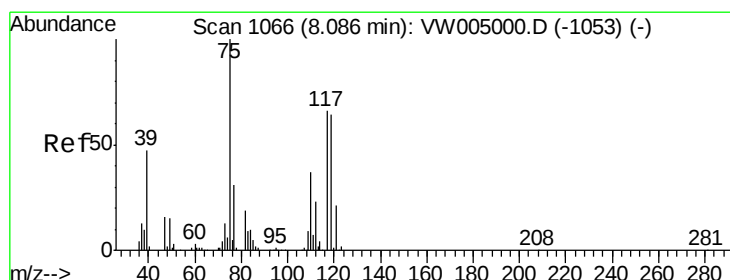
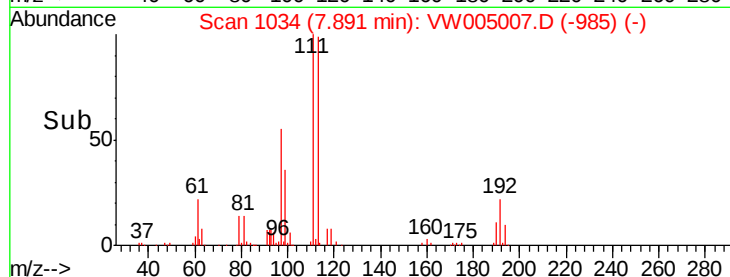
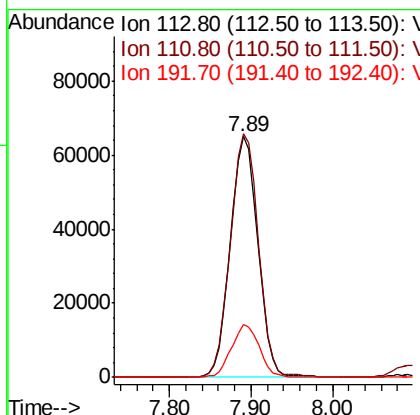
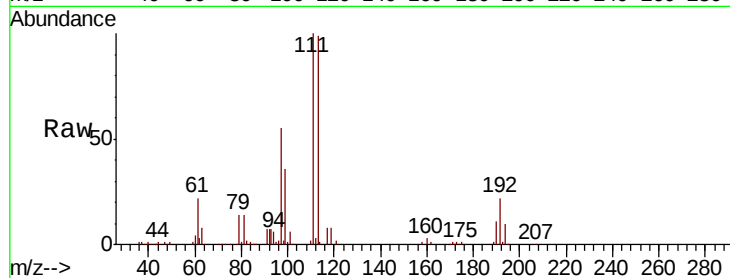
#35
 Dibromofluoromethane
 Concen: 48.504 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: VW005007.D
 Acq: 29 Aug 2018 16:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	151601		
111	102.7	81.3	121.9	
192	22.0	17.8	26.8	

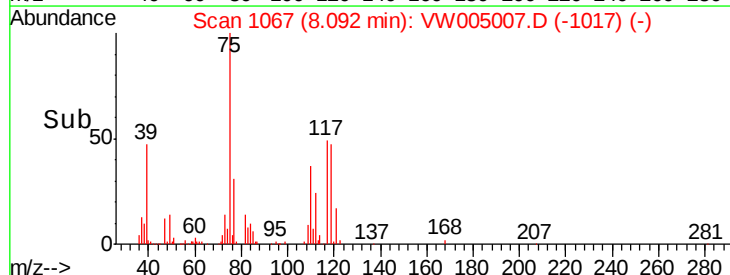
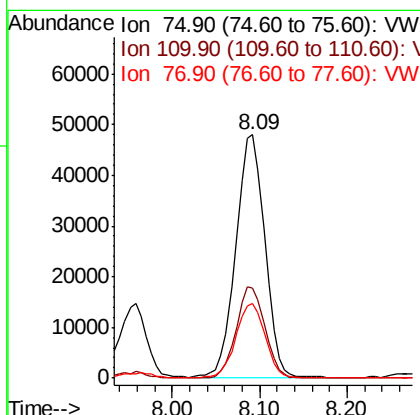
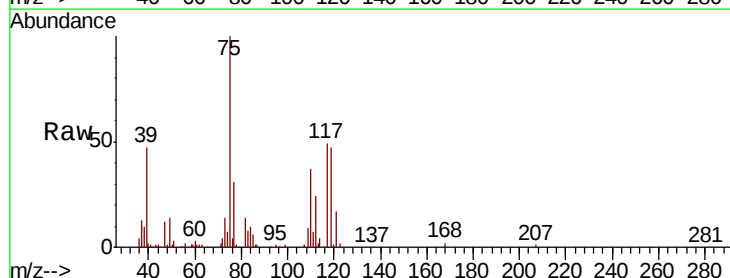
Manual Integrations
 APPROVED

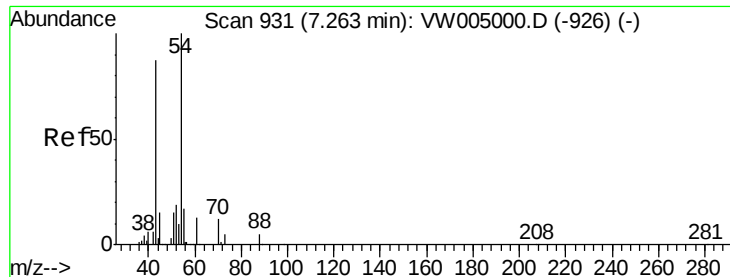
apatel
 8/30/2018 12:44:01 PM



#36
 1,1-Dichloropropene
 Concen: 20.676 ug/l
 RT: 8.09 min Scan# 1067
 Delta R.T. 0.01 min
 Lab File: VW005007.D
 Acq: 29 Aug 2018 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	110498		
110	37.1	18.7	56.1	
77	31.5	24.9	37.3	





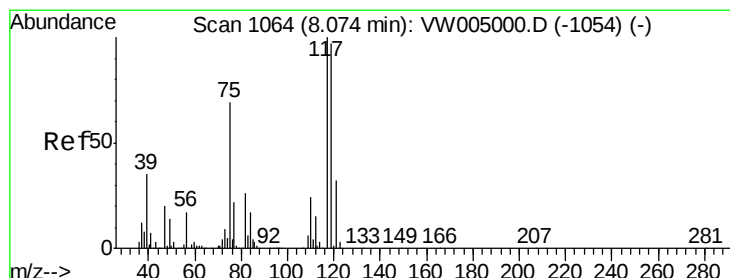
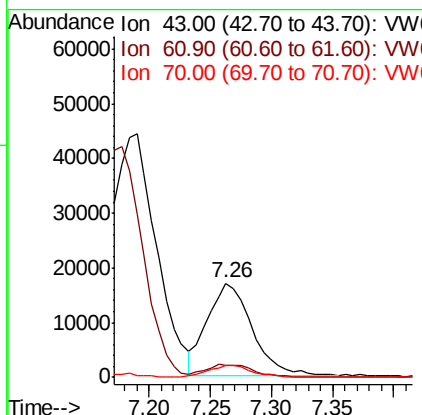
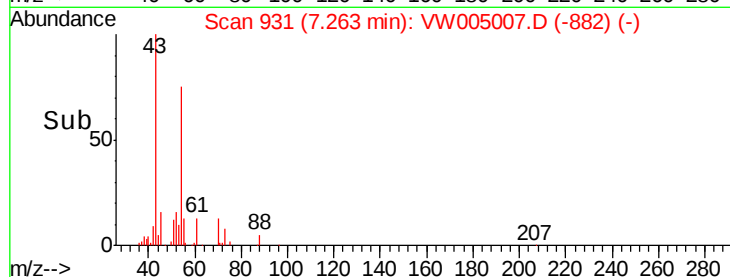
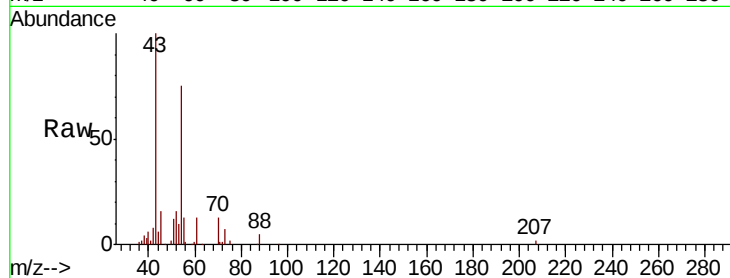
#37
Ethyl Acetate
Concen: 22.281 ug/l
RT: 7.26 min Scan# 931
Delta R.T. -0.00 min
Lab File: VW005007.D
Acq: 29 Aug 2018 16:54

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.3	18.5
70	13.0	9.7	14.5

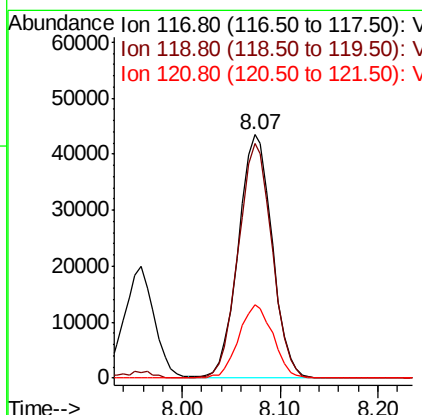
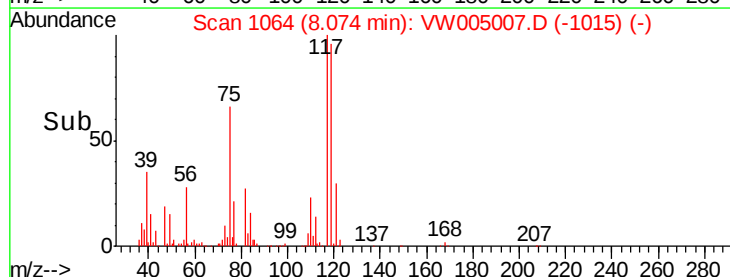
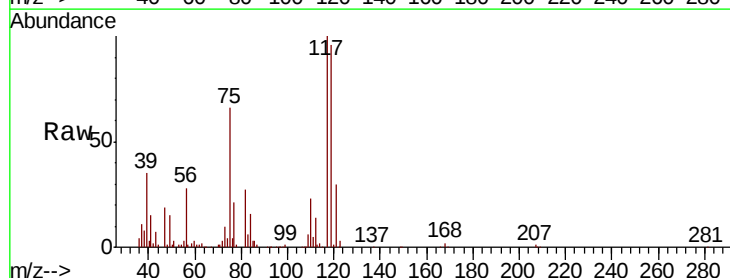
Manual Integrations
APPROVED

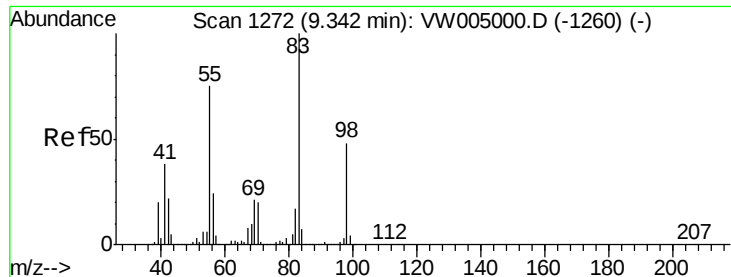
apatel
8/30/2018 12:44:01 PM



#38
Carbon Tetrachloride
Concen: 20.188 ug/l
RT: 8.07 min Scan# 1064
Delta R.T. -0.00 min
Lab File: VW005007.D
Acq: 29 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.8	116.8
121	30.2	25.2	37.8





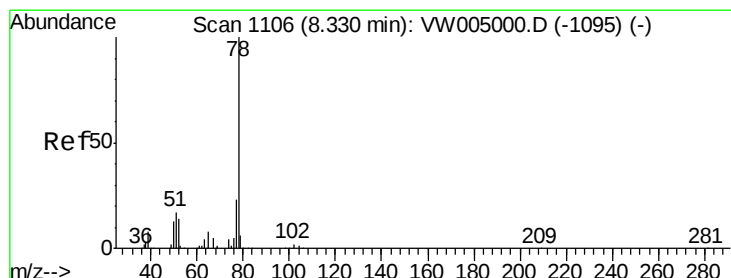
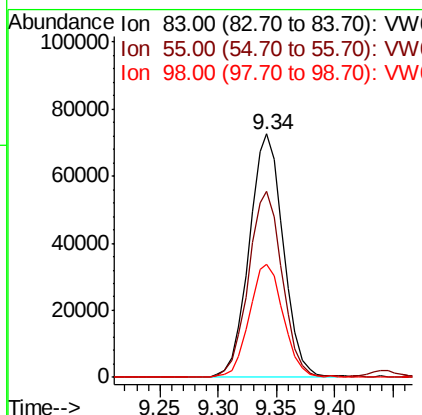
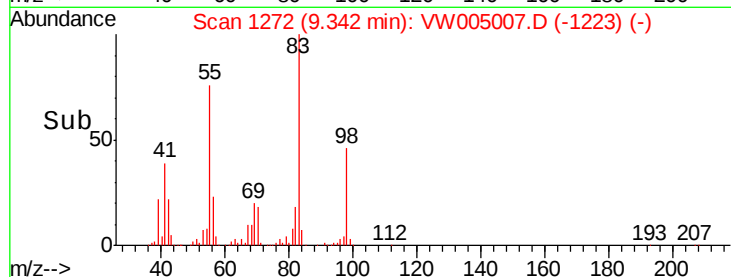
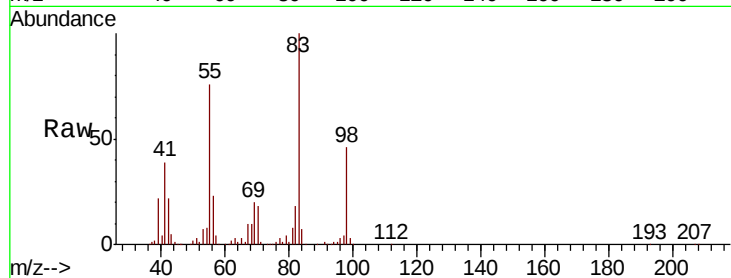
#39
Methvlcvclohexane
Concen: 20.110 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VW005007.D
Acq: 29 Aug 2018 16:54

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	148151		
55	76.3		60.2	90.2
98	46.4		38.6	57.8

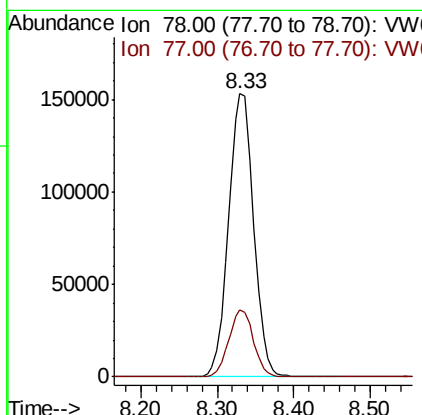
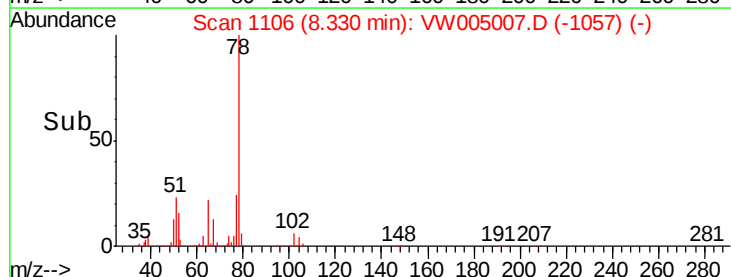
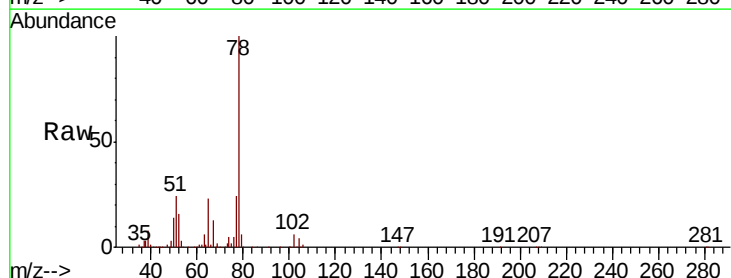
Manual Integrations
APPROVED

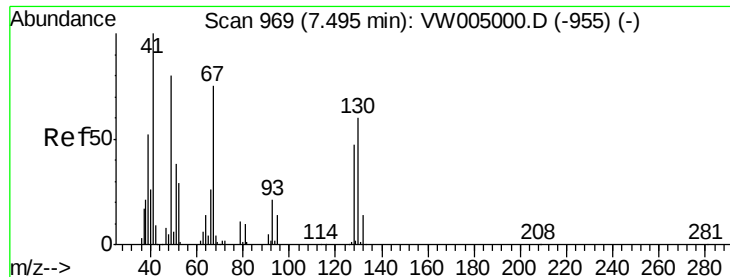
apatel
8/30/2018 12:44:01 PM



#40
Benzene
Concen: 20.295 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VW005007.D
Acq: 29 Aug 2018 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	347177		
77	23.7		18.6	28.0





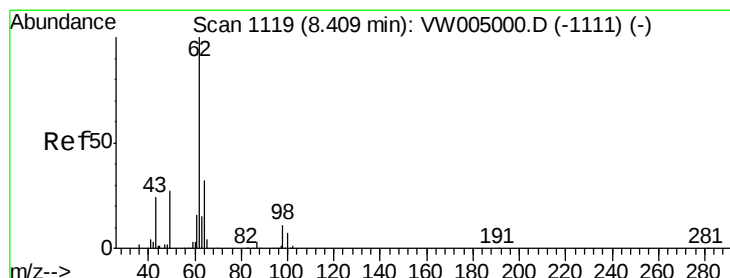
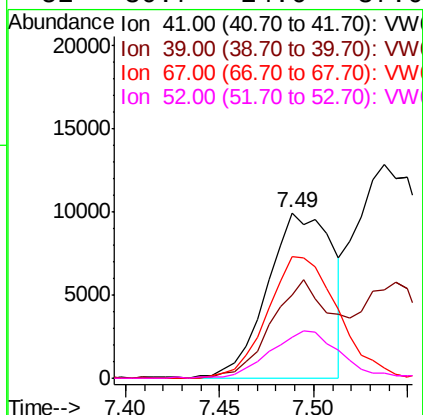
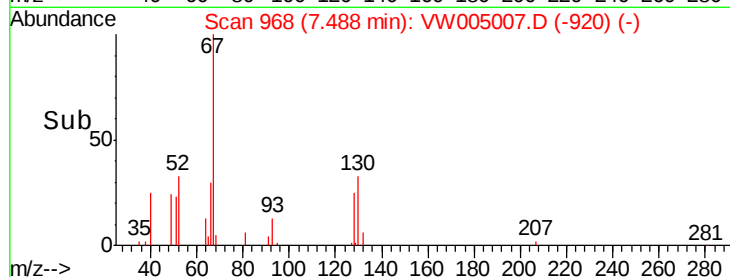
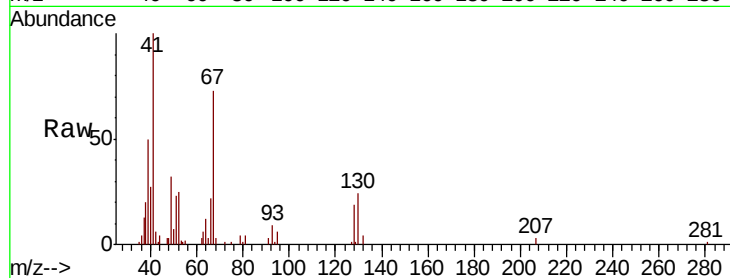
#41
Methacrylonitrile
Concen: 21.435 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.01 min
Lab File: VW005007.D
Acq: 29 Aug 2018 16:54

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.8	42.0	63.0
67	79.1	63.4	95.2
52	30.7	24.6	37.0

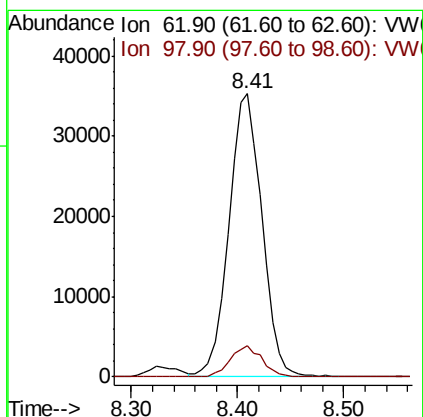
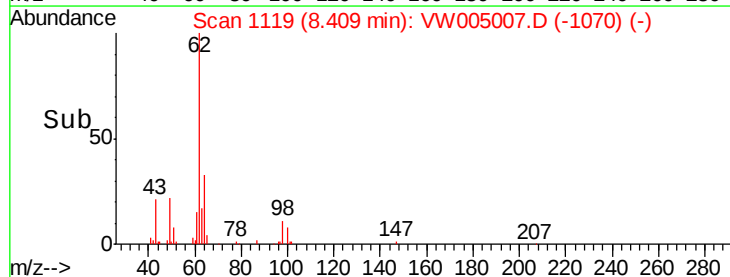
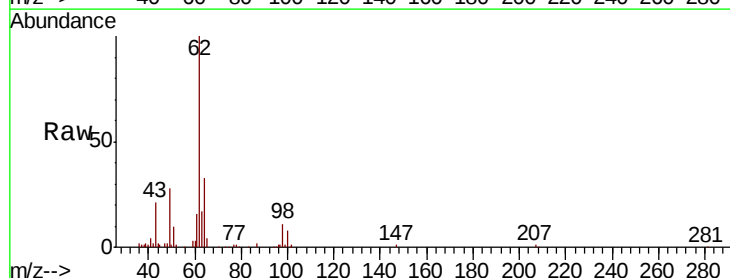
Manual Integrations
APPROVED

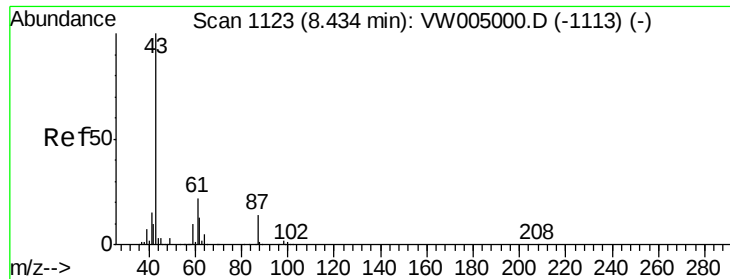
apatel
8/30/2018 12:44:01 PM



#42
1,2-Dichloroethane
Concen: 20.122 ug/l
RT: 8.41 min Scan# 1119
Delta R.T. -0.00 min
Lab File: VW005007.D
Acq: 29 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.8





#43

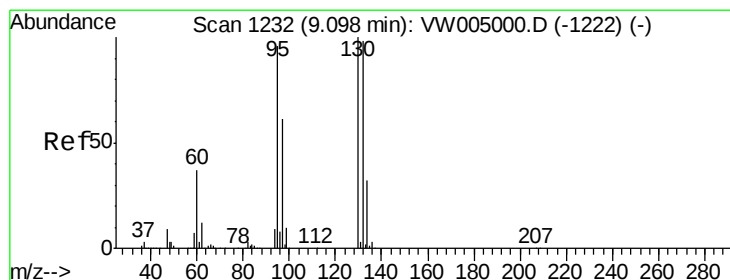
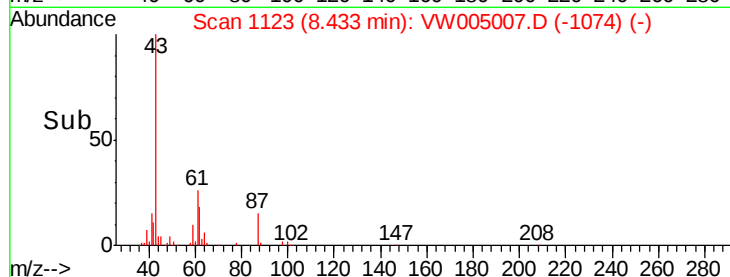
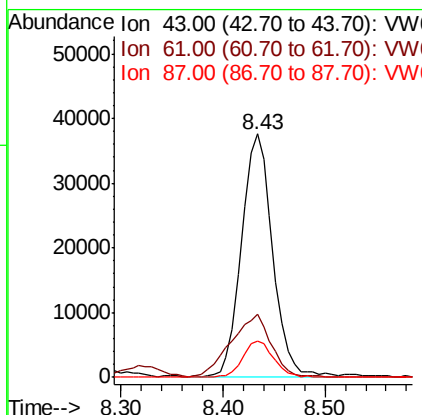
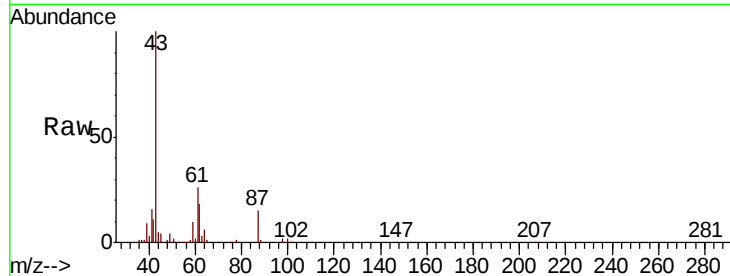
Isopropyl Acetate
 Concen: 20.736 ug/l
 RT: 8.43 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VW005007.D
 Acq: 29 Aug 2018 16:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.6	26.2	39.4
87	14.9	11.8	17.6

Manual Integrations
 APPROVED

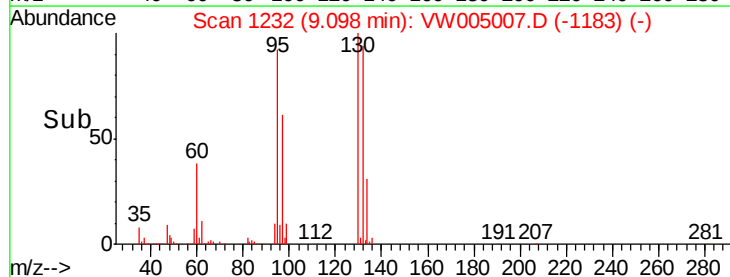
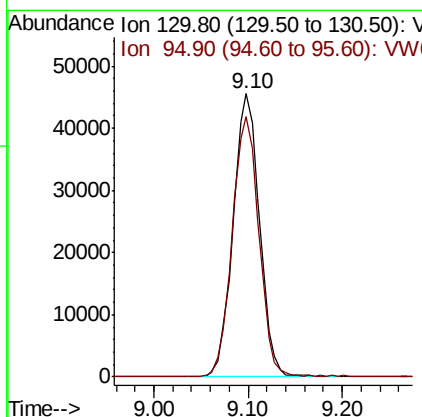
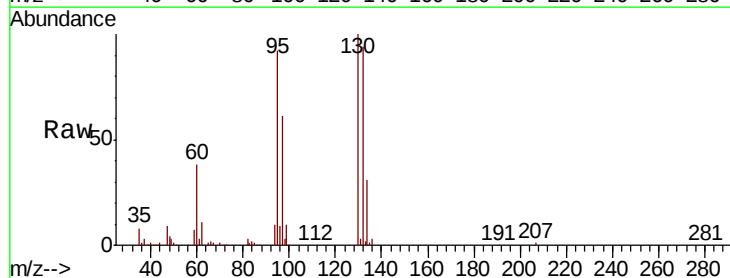
apatel
 8/30/2018 12:44:01 PM

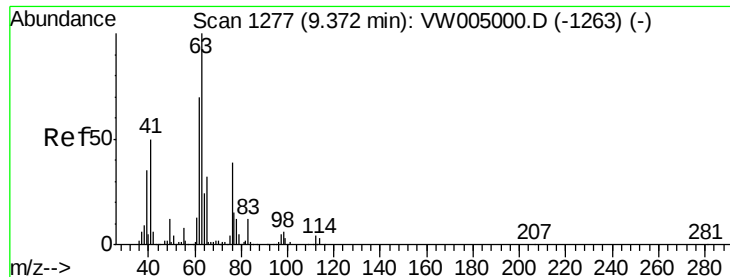


#44

Trichloroethene
 Concen: 20.262 ug/l
 RT: 9.10 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VW005007.D
 Acq: 29 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.8	0.0	192.2





#45

1,2-Dichloropropane

Concen: 20.092 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

Tot Ion: 63 Resp: 78639

Ion Ratio Lower Upper

63 100

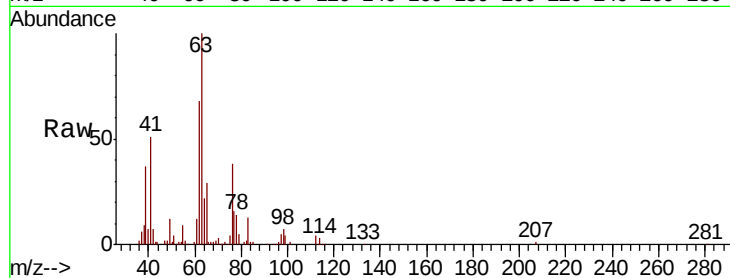
65 28.8 25.3 37.9

Manual Integrations

APPROVED

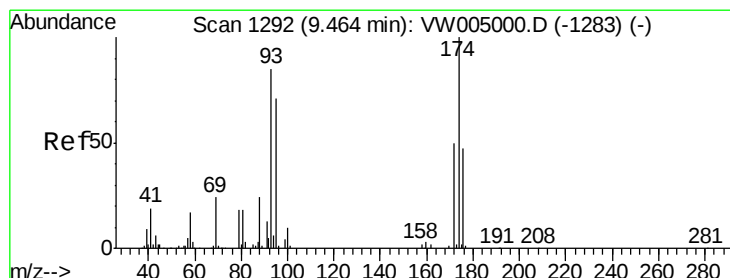
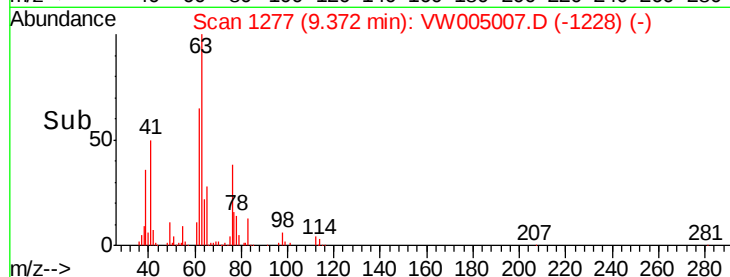
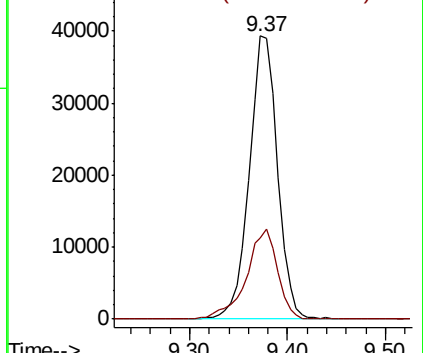
apatel

8/30/2018 12:44:01 PM



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 20.480 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

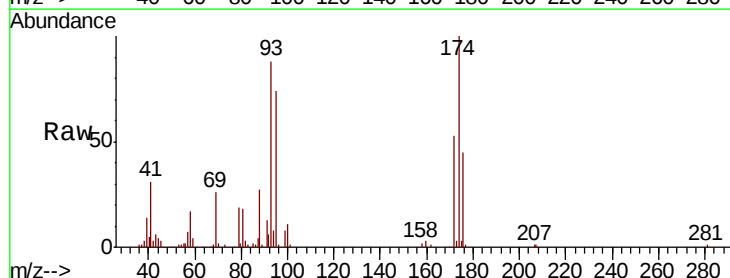
Tgt Ion: 93 Resp: 37938

Ion Ratio Lower Upper

93 100

95 82.5 68.0 102.0

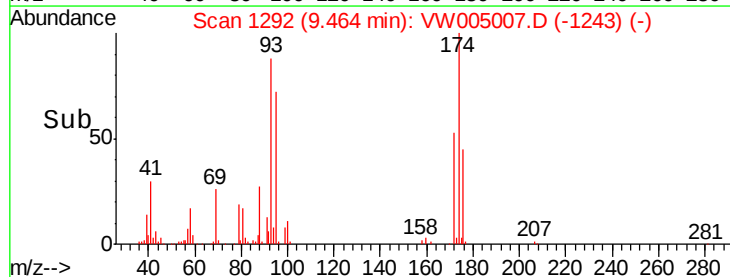
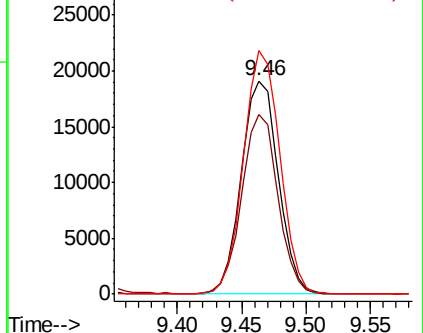
174 112.9 91.4 137.0

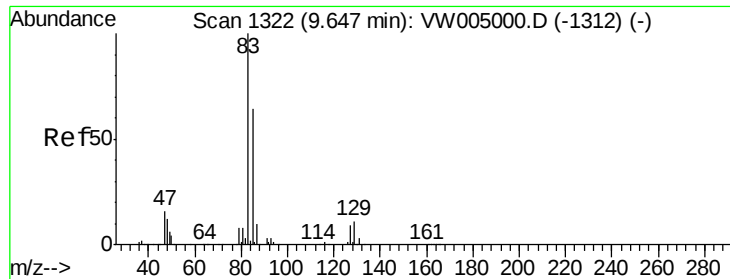


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





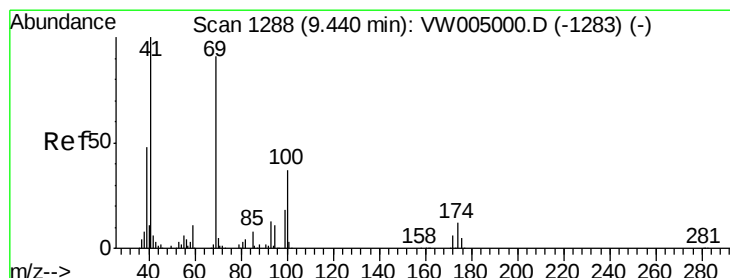
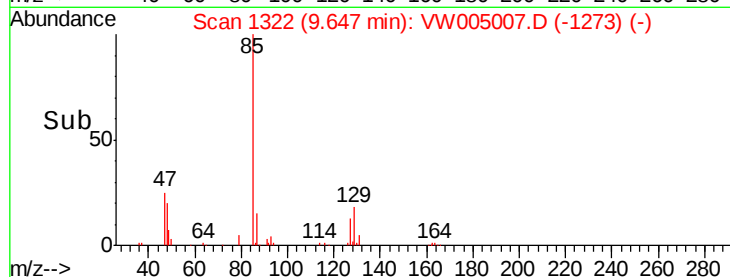
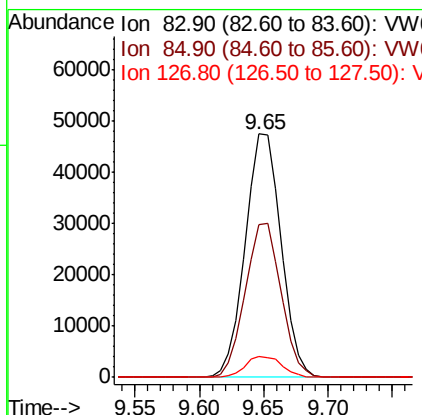
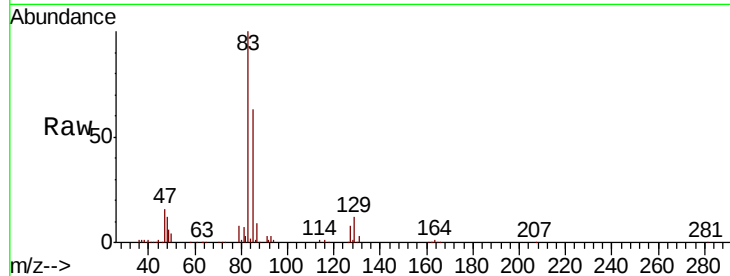
#47
Bromodichloromethane
Concen: 19.969 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VW005007.D
Acq: 29 Aug 2018 16:54

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	83	Resp	91402
Ion Ratio	100	Lower	Upper
83	100		
85	62.9	51.3	76.9
127	8.4	7.2	10.8

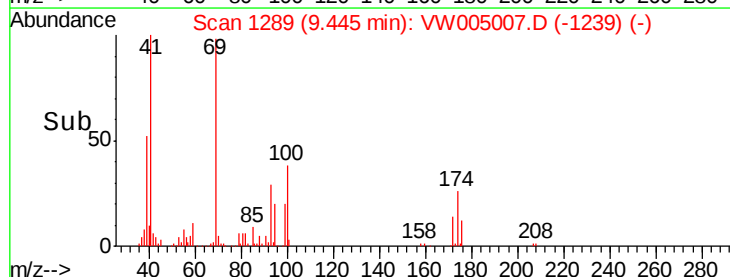
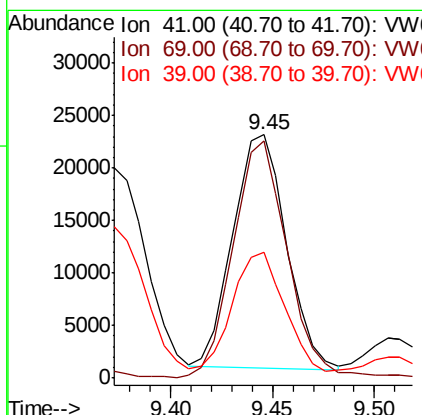
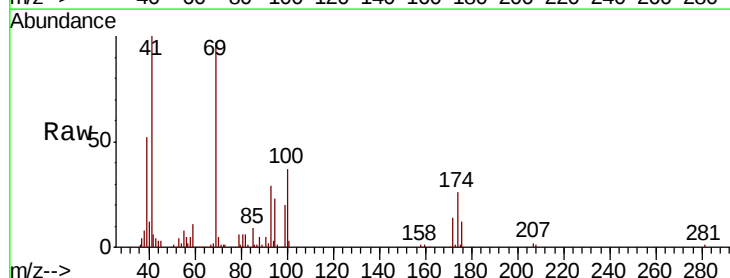
Manual Integrations
APPROVED

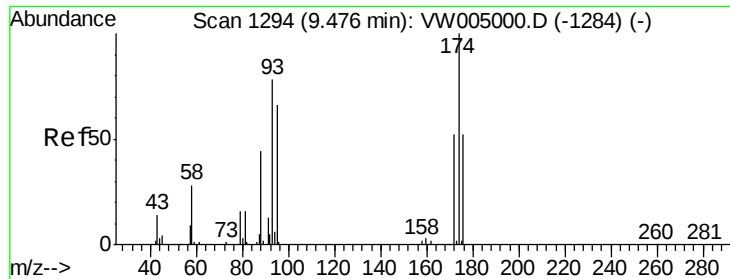
apatel
8/30/2018 12:44:01 PM



#48
Methyl methacrylate
Concen: 19.709 ug/l
RT: 9.45 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VW005007.D
Acq: 29 Aug 2018 16:54

Tgt Ion	41	Resp	40691
Ion Ratio	100	Lower	Upper
41	100		
69	104.0	72.5	108.7
39	49.0	37.0	55.6





#49

1,4-Dioxane

Concen: 451.697 ug/l

RT: 9.48 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Instrument :

MSVOA_W

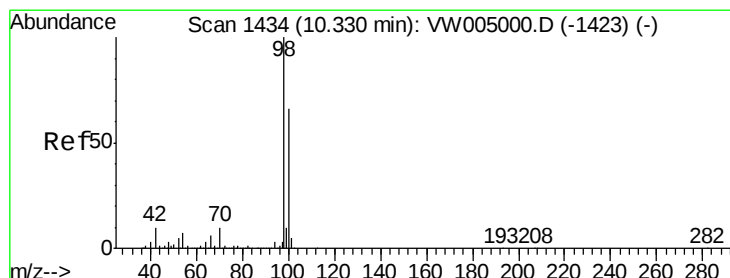
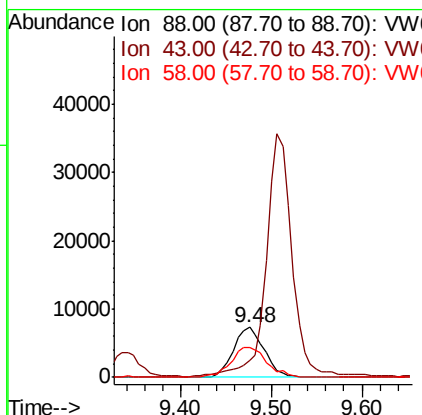
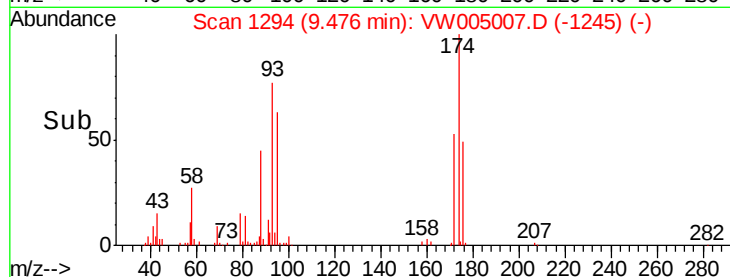
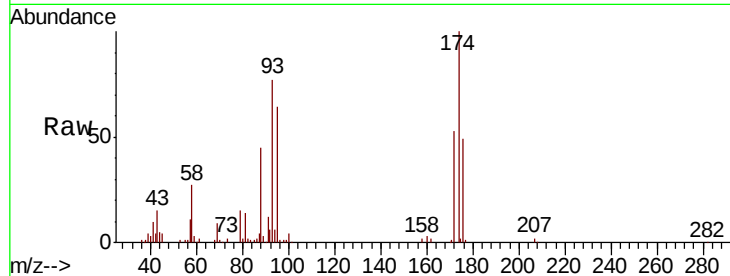
ClientSampleId :

VW0829SBS01

Tot Ion:	88	Resp:	17364
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	70.7	57.0	85.4

Manual Integrations
APPROVED

apatel
8/30/2018 12:44:01 PM



#50

Toluene-d8

Concen: 52.089 ug/l

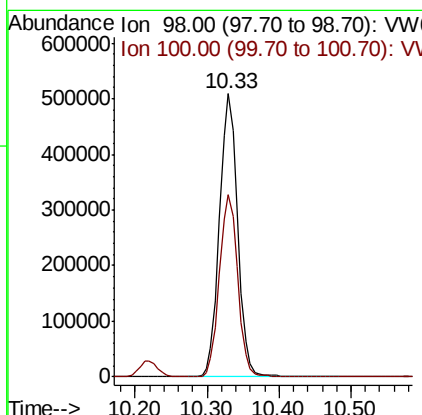
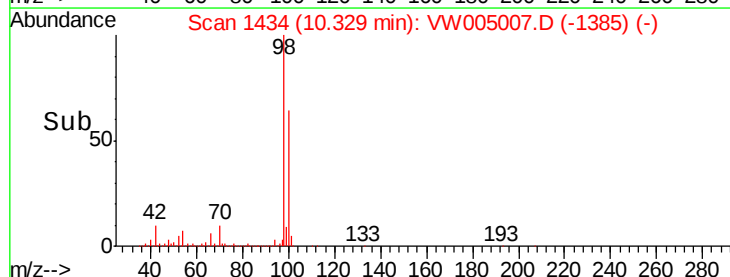
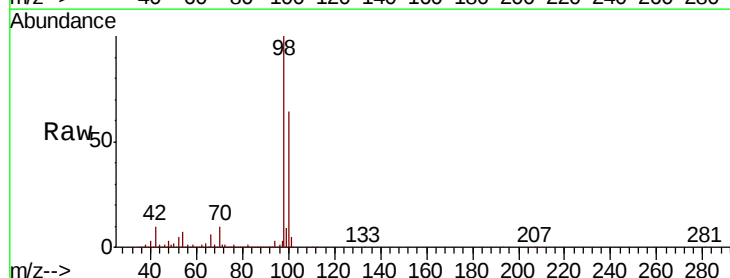
RT: 10.33 min Scan# 1434

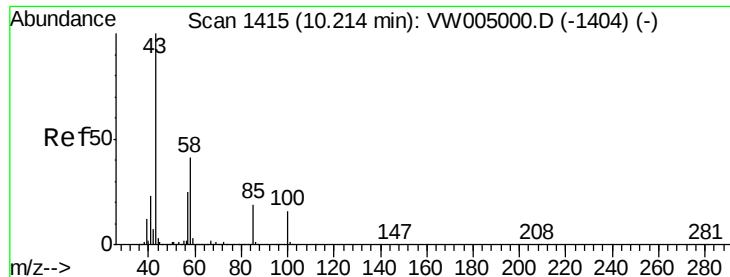
Delta R.T. -0.00 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Tgt Ion:	98	Resp:	893837
Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 108.386 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

Tot Ion: 43 Resp: 311148

Ion Ratio Lower Upper

43 100

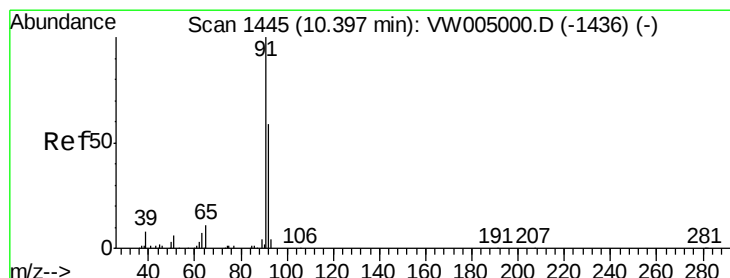
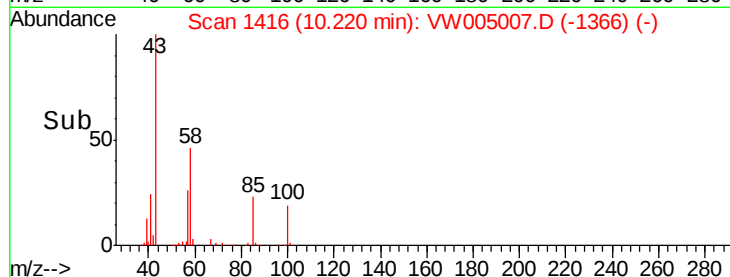
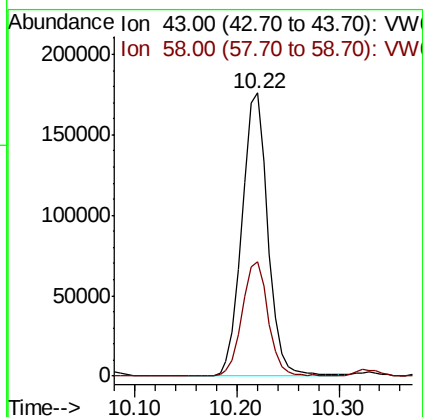
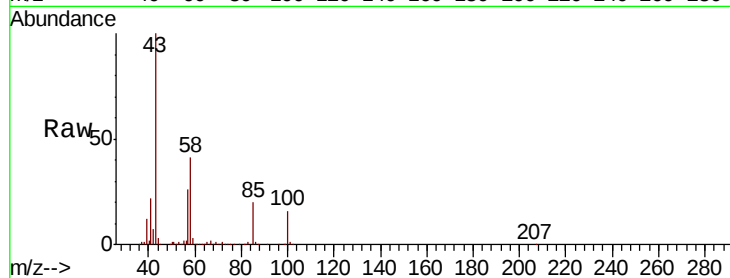
58 40.7 33.5 50.3

Manual Integrations

APPROVED

apatel

8/30/2018 12:44:01 PM



#52

Toluene

Concen: 21.574 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VW005007.D

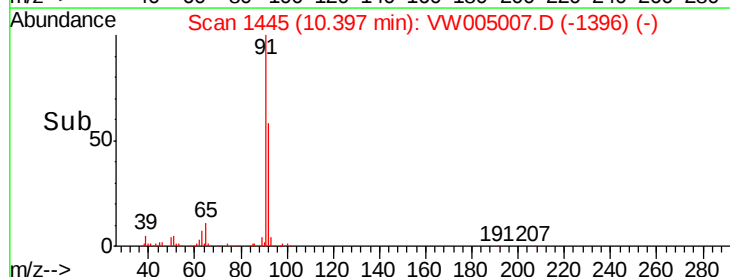
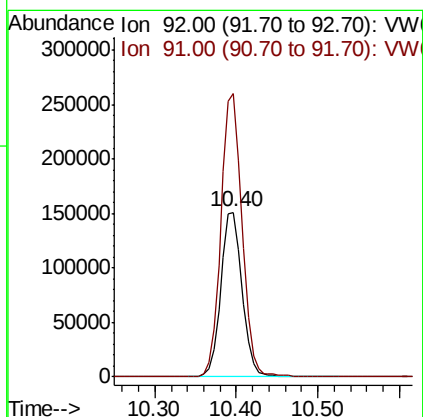
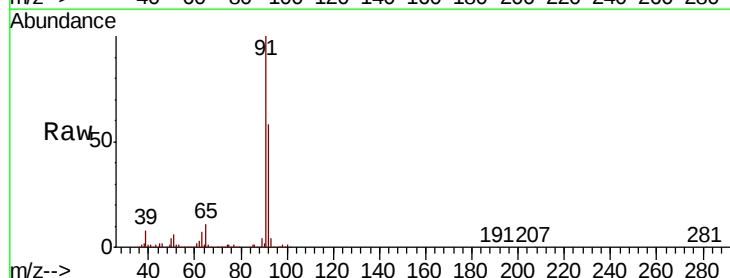
Acq: 29 Aug 2018 16:54

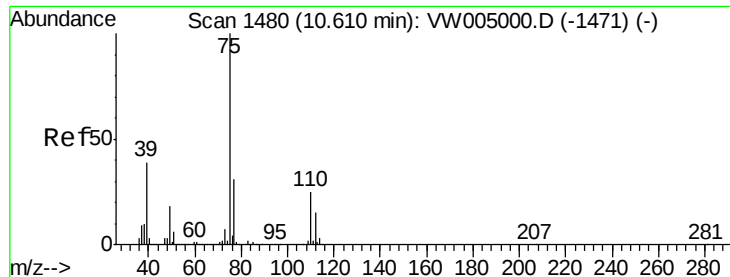
Tgt Ion: 92 Resp: 273808

Ion Ratio Lower Upper

92 100

91 171.2 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 20.207 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

Tot Ion: 75 Resp: 98782

Ion Ratio Lower Upper

75 100

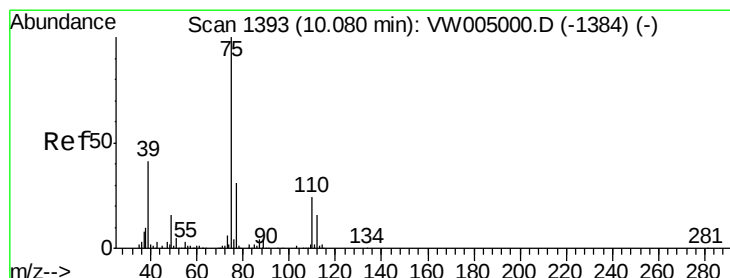
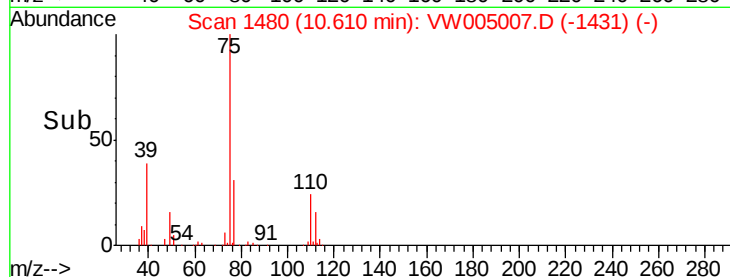
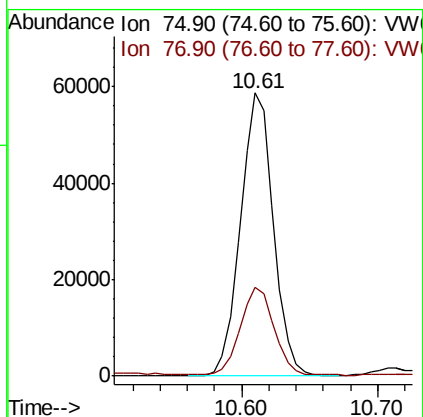
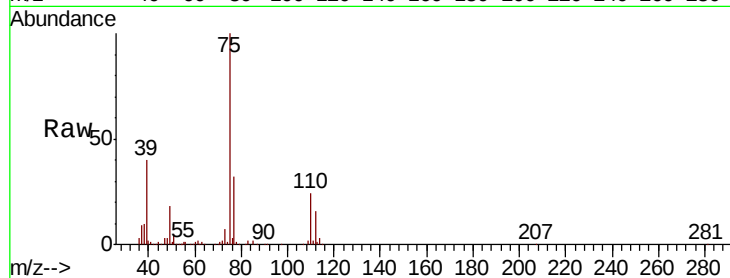
77 31.0 25.1 37.7

Manual Integrations

APPROVED

apatel

8/30/2018 12:44:01 PM



#54

cis-1,3-Dichloropropene

Concen: 20.238 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

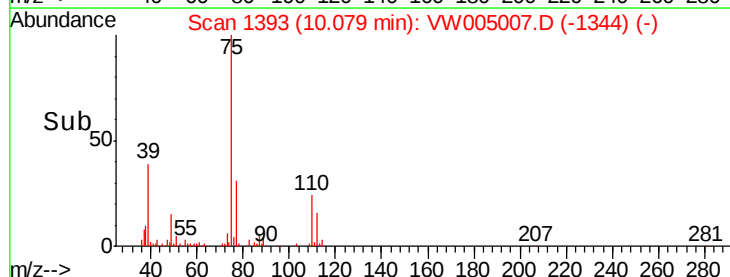
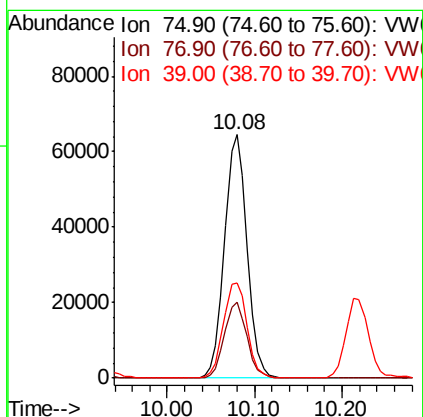
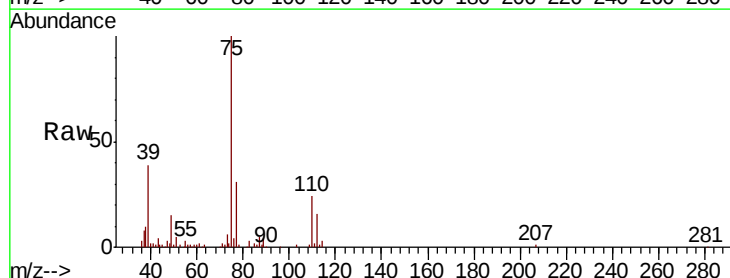
Tgt Ion: 75 Resp: 115366

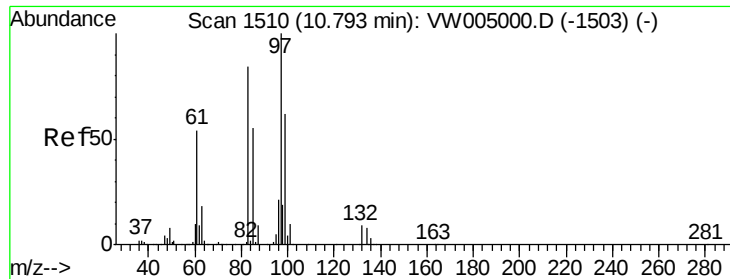
Ion Ratio Lower Upper

75 100

77 31.0 25.2 37.8

39 38.9 32.9 49.3





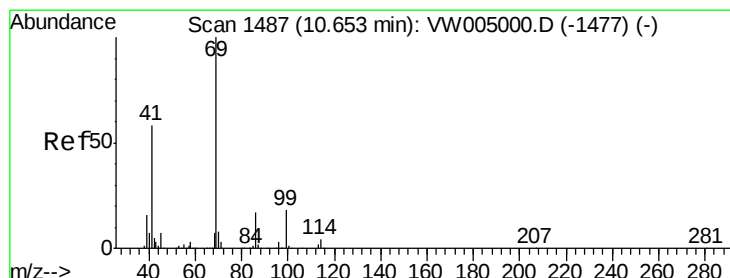
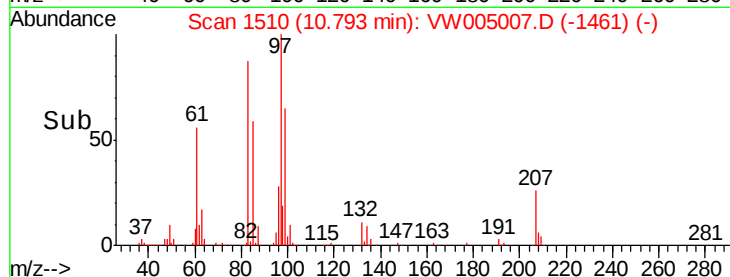
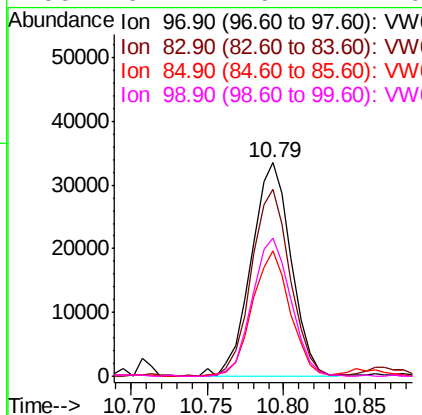
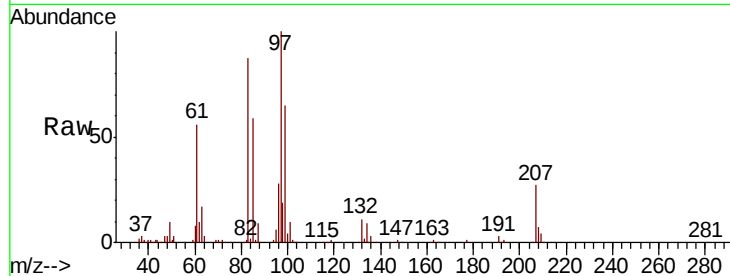
#55
 1,1,2-Trichloroethane
 Concen: 20.066 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW005007.D
 Acq: 29 Aug 2018 16:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

Tot Ion:	97	Resp:	60841
Ion	Ratio	Lower	Upper
97	100		
83	87.1	67.3	100.9
85	58.4	44.3	66.5
99	64.7	49.4	74.0

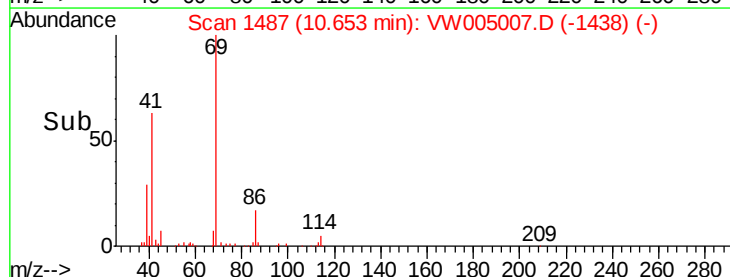
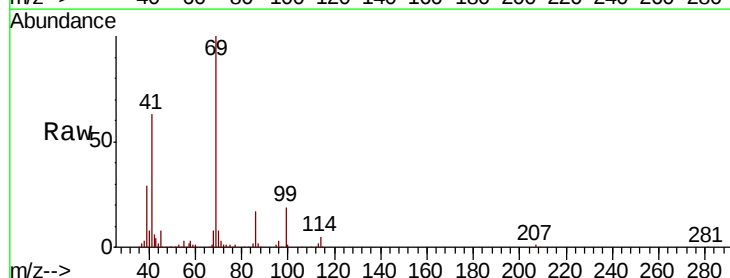
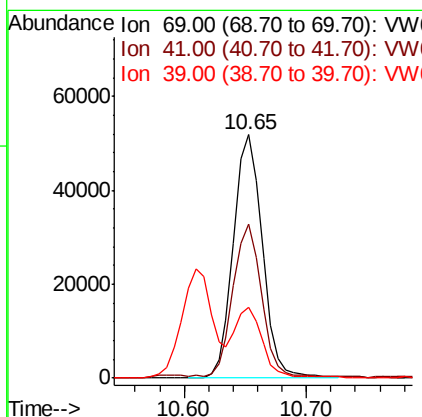
Manual Integrations
 APPROVED

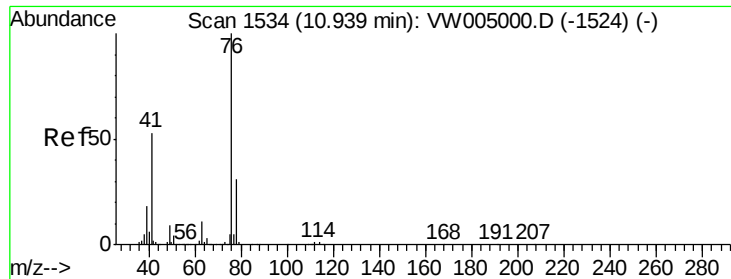
apatel
 8/30/2018 12:44:01 PM



#56
 Ethyl methacrylate
 Concen: 21.499 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW005007.D
 Acq: 29 Aug 2018 16:54

Tgt Ion:	69	Resp:	85503
Ion	Ratio	Lower	Upper
69	100		
41	61.5	47.7	71.5
39	26.3	21.0	31.6





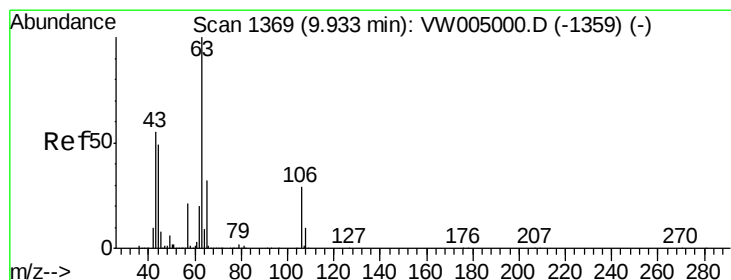
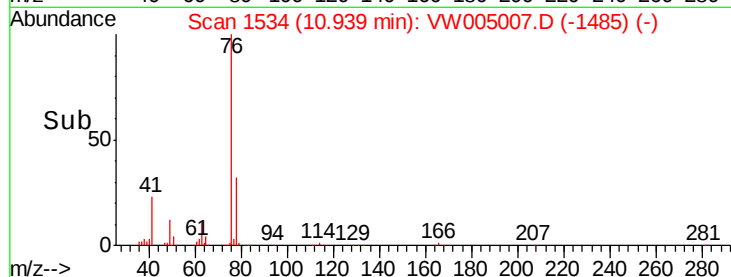
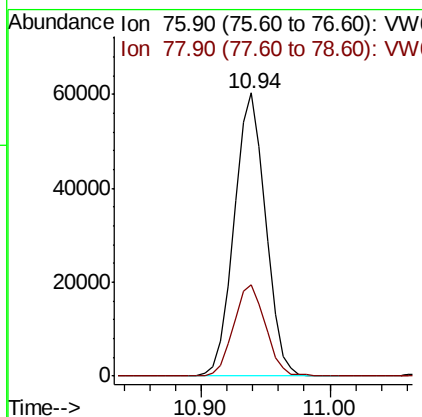
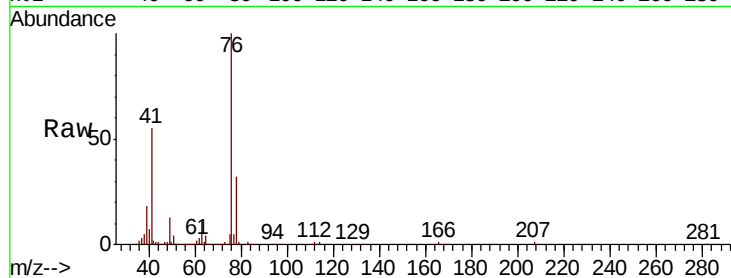
#57
 1,3-Dichloropropane
 Concen: 20.417 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW005007.D
 Acq: 29 Aug 2018 16:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.6	38.4

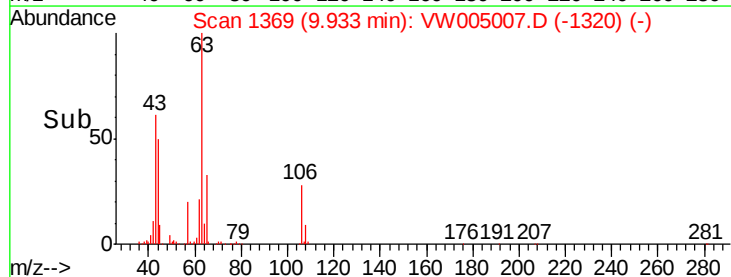
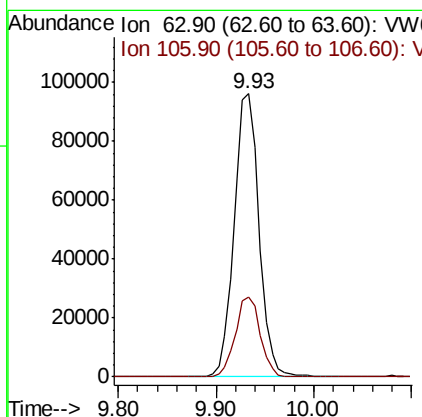
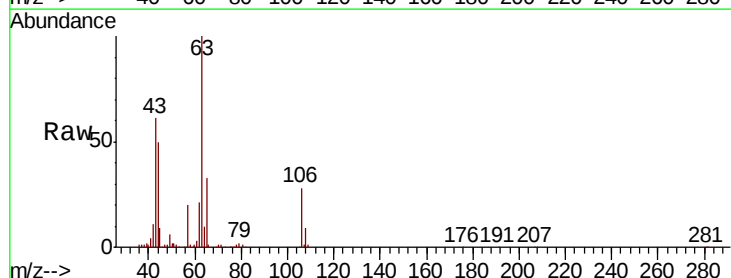
Manual Integrations
 APPROVED

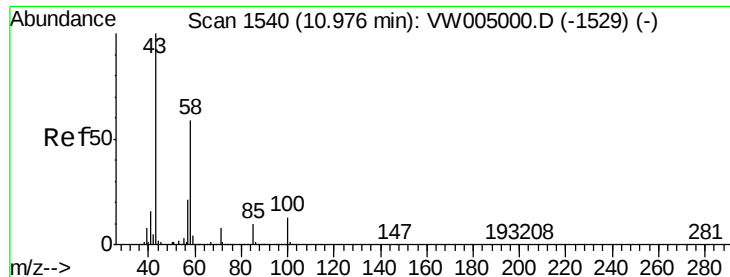
apatel
 8/30/2018 12:44:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.217 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VW005007.D
 Acq: 29 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	23.2	34.8





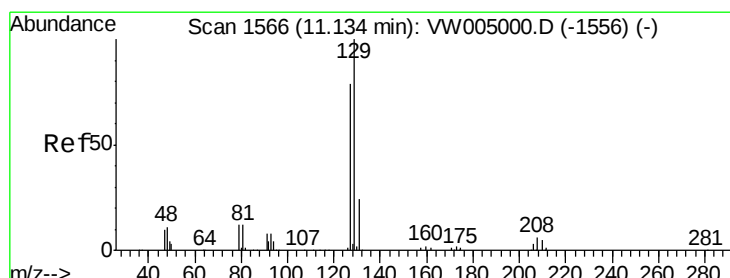
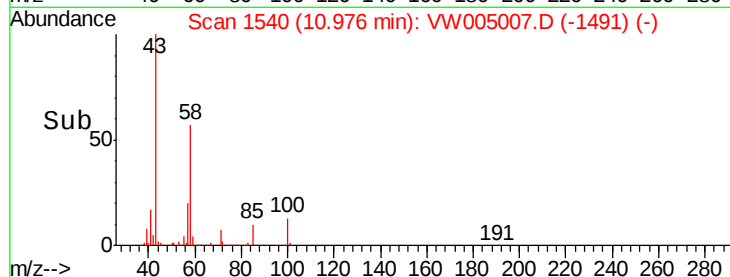
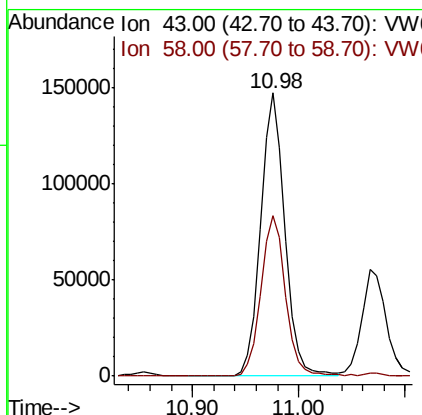
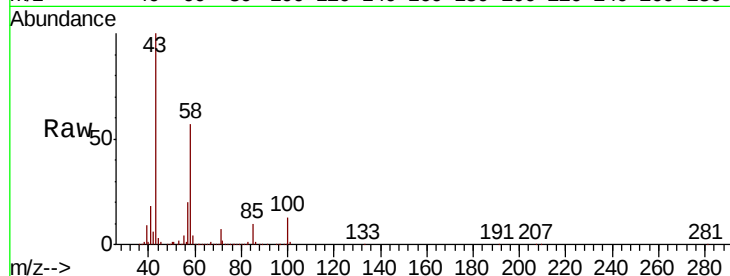
#59
2-Hexanone
Concen: 112.689 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW005007.D
Acq: 29 Aug 2018 16:54

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.7	29.2	87.6

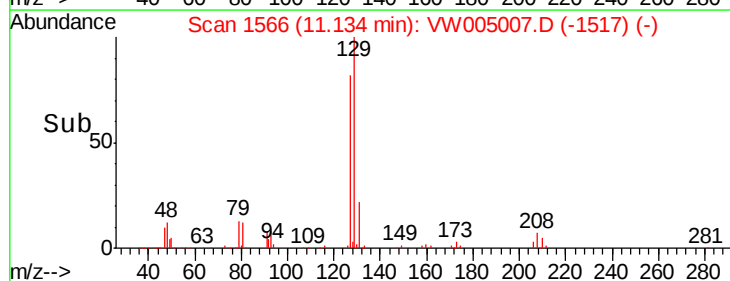
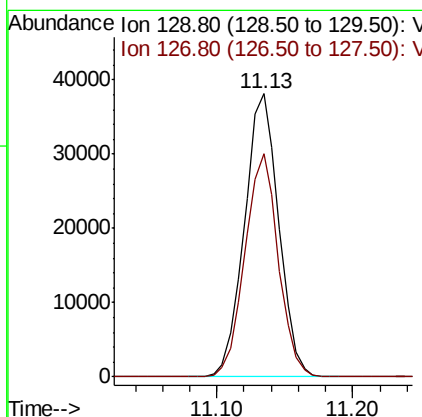
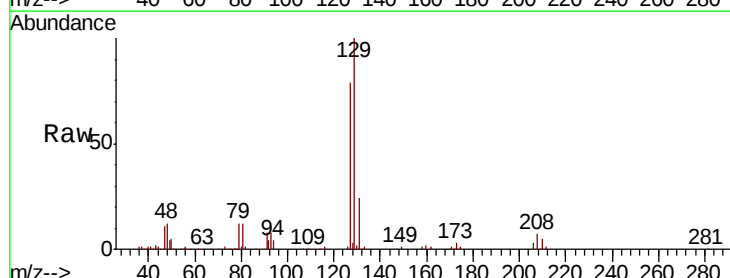
Manual Integrations
APPROVED

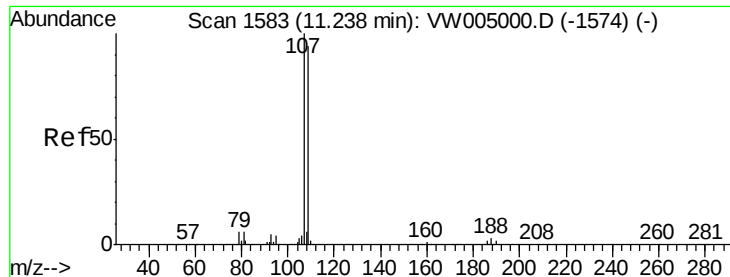
apatel
8/30/2018 12:44:01 PM



#60
Dibromochloromethane
Concen: 20.232 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW005007.D
Acq: 29 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.3	114.8





#61

1,2-Dibromoethane

Concen: 20.351 ug/l

RT: 11.24 min Scan# 1584

Delta R.T. 0.01 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBSD01

Tot Ion: 107 Resp: 57851

Ion Ratio Lower Upper

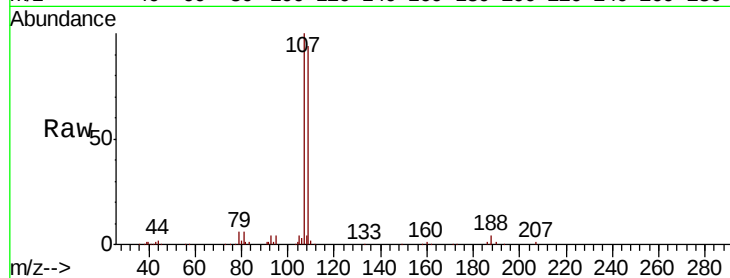
107 100

109 94.7 75.2 112.8

Manual Integrations
APPROVED

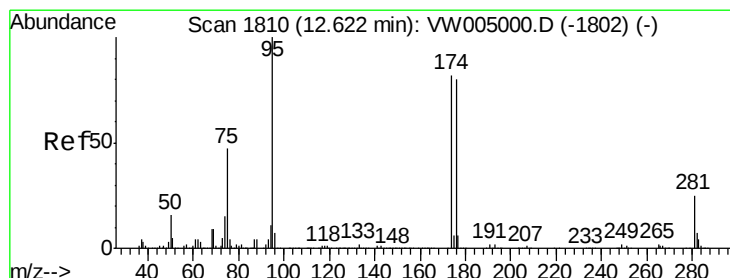
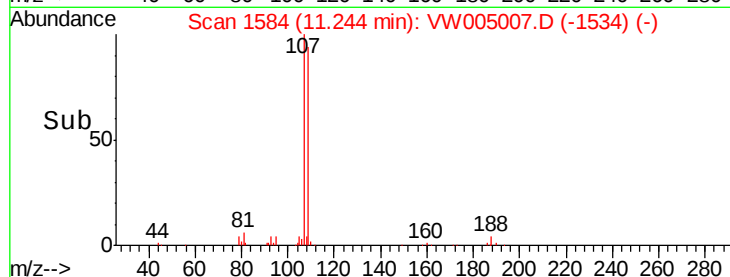
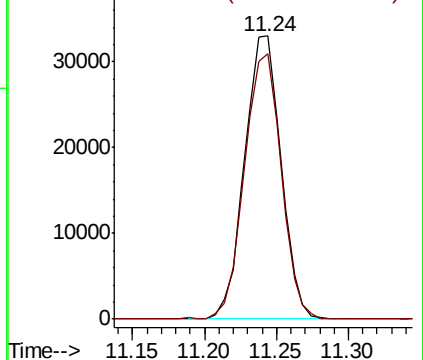
apatel

8/30/2018 12:44:01 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.273 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

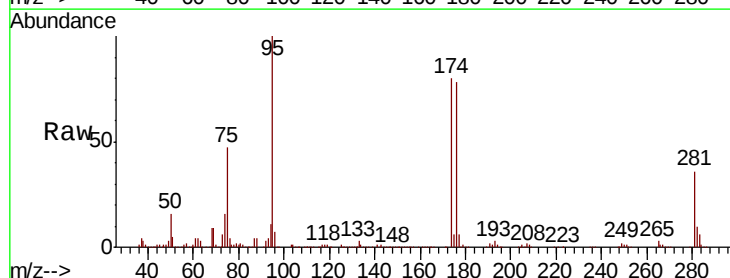
Tgt Ion: 95 Resp: 333293

Ion Ratio Lower Upper

95 100

174 85.5 0.0 173.4

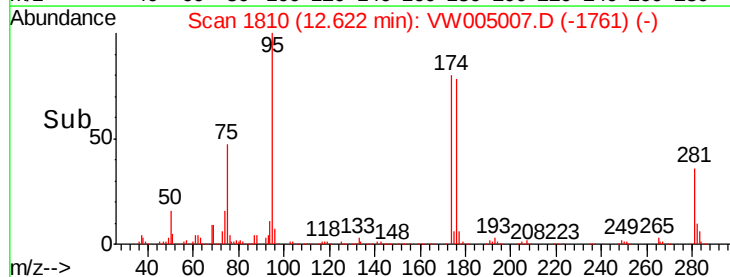
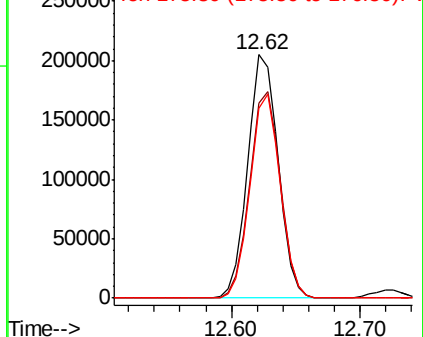
176 83.2 0.0 167.8

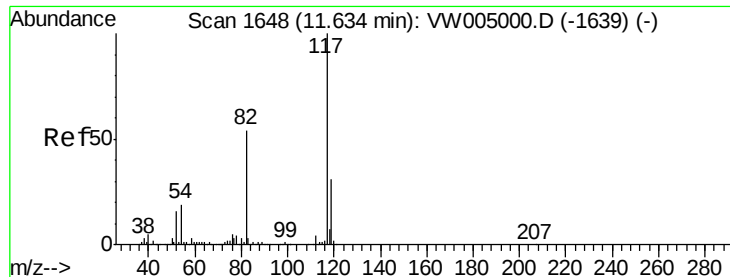


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





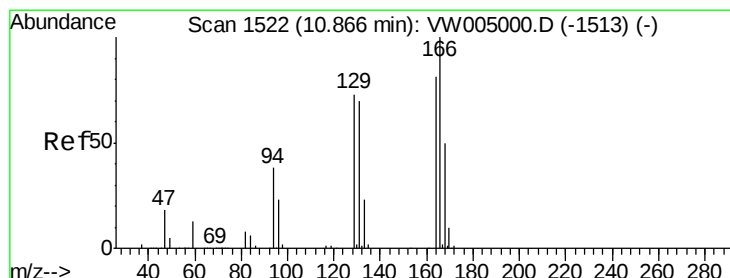
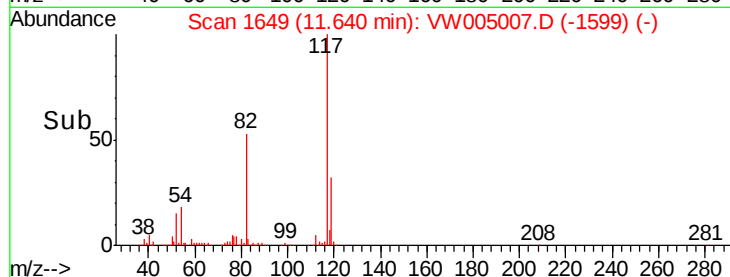
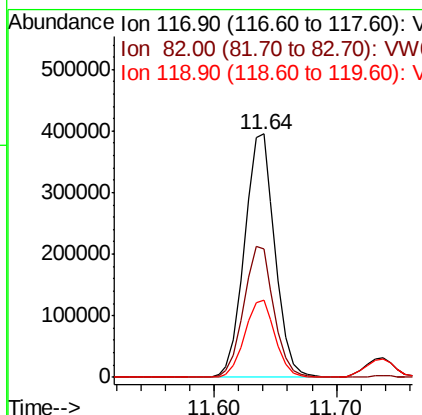
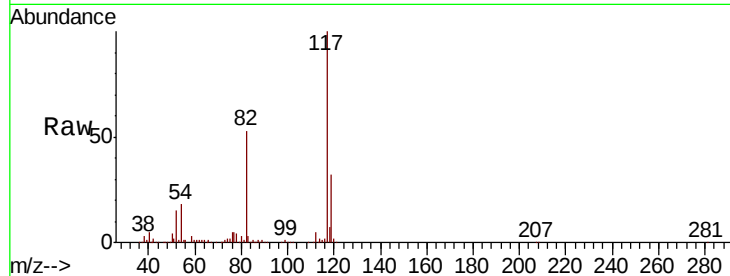
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.01 min
Lab File: VW005007.D
Acq: 29 Aug 2018 16:54

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	43.3	64.9
119	31.9	25.0	37.6

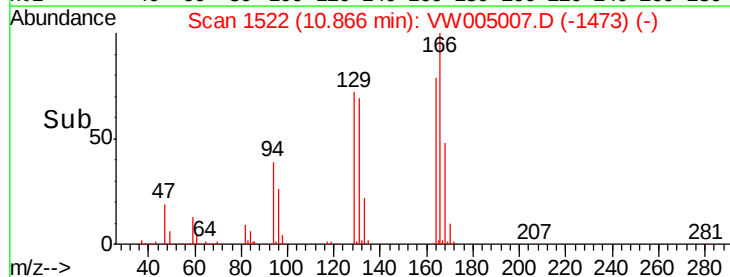
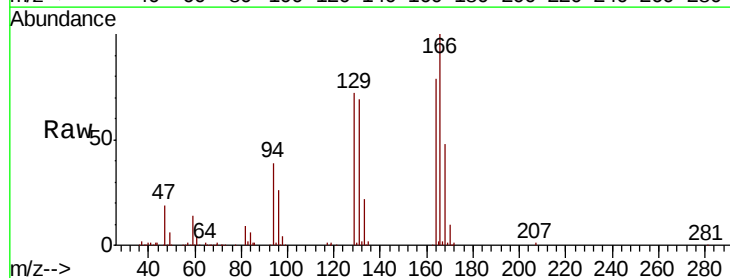
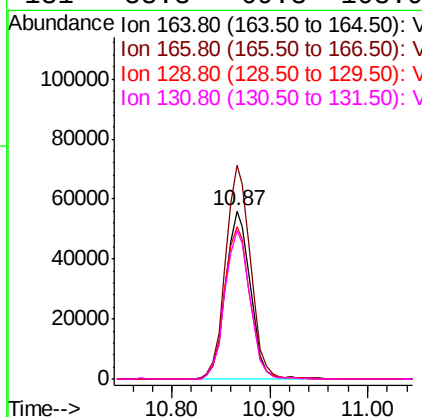
Manual Integrations
APPROVED

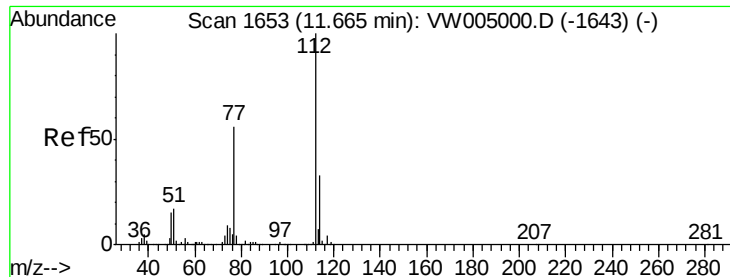
apatel
8/30/2018 12:44:01 PM



#64
Tetrachloroethene
Concen: 19.828 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW005007.D
Acq: 29 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	99.4	149.0
129	91.2	72.2	108.2
131	88.3	69.3	103.9





#65

Chlorobenzene

Concen: 20.258 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBSD01

Tot Ion:112 Resp: 303026

Ion Ratio Lower Upper

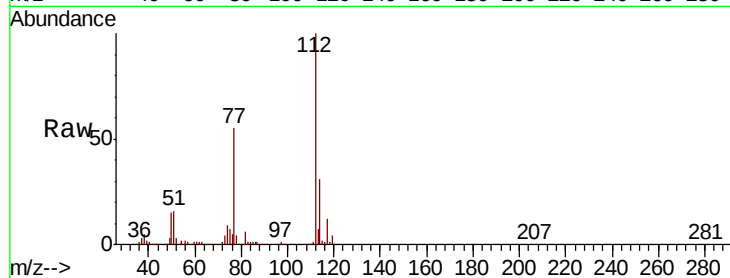
112 100

114 31.4 26.1 39.1

Manual Integrations
APPROVED

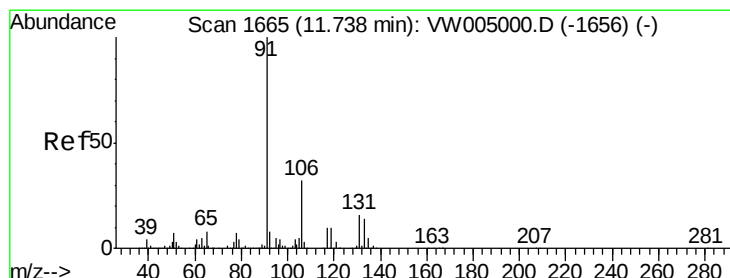
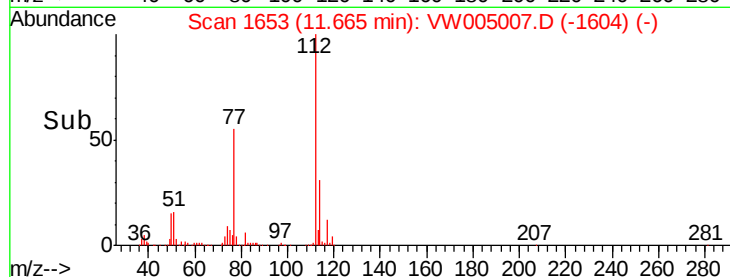
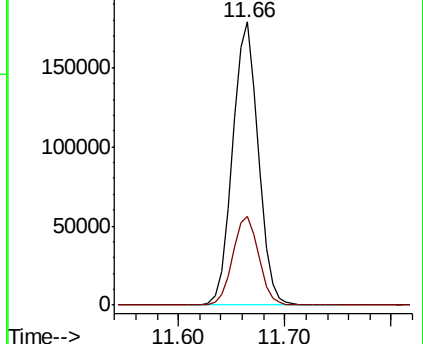
apatel

8/30/2018 12:44:01 PM



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: 19.058 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

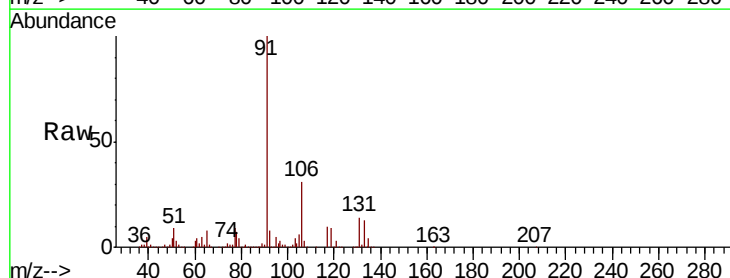
Tgt Ion:131 Resp: 78297

Ion Ratio Lower Upper

131 100

133 95.5 47.4 142.3

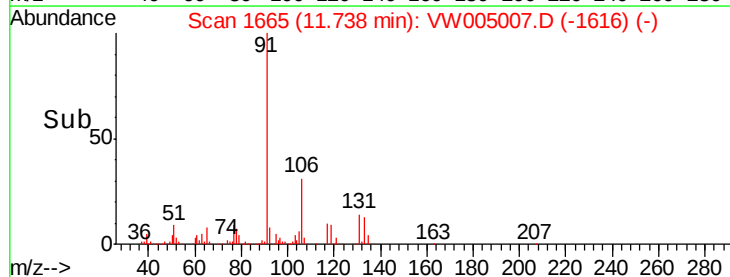
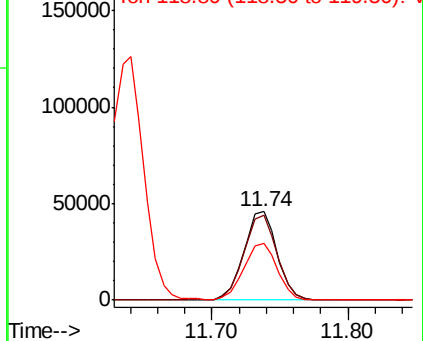
119 64.8 33.1 99.3

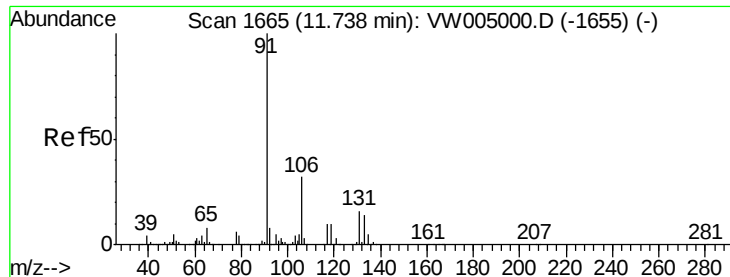


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





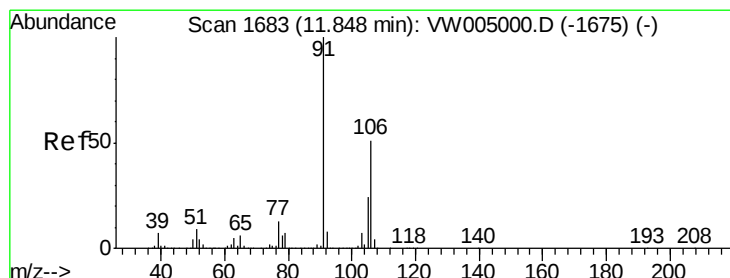
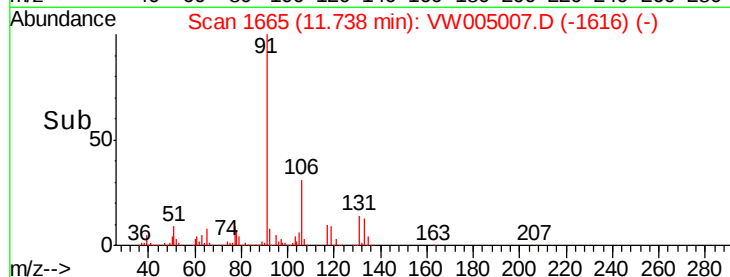
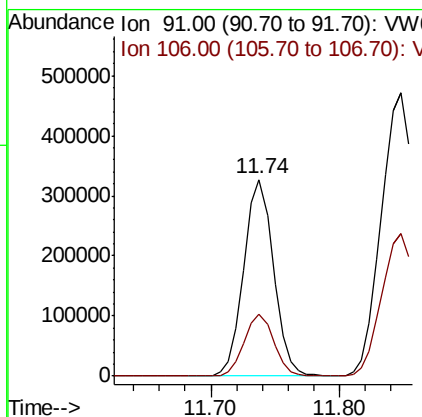
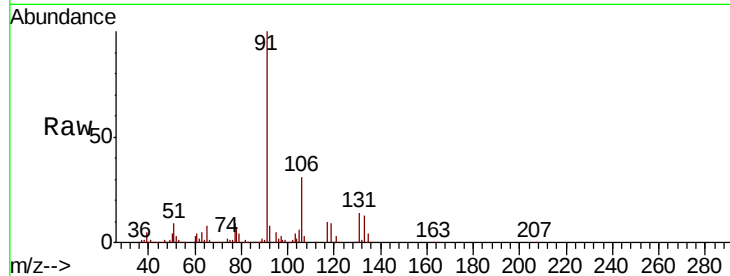
#67
Ethyl Benzene
Concen: 20.414 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW005007.D
Acq: 29 Aug 2018 16:54

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.4	38.2

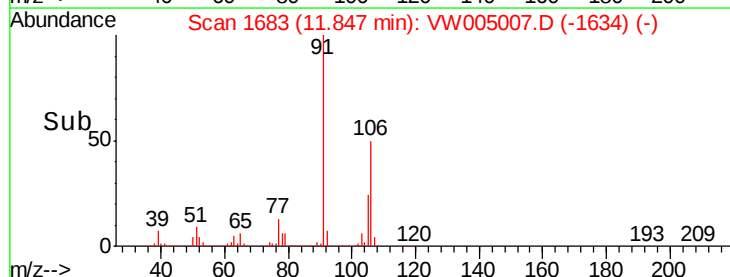
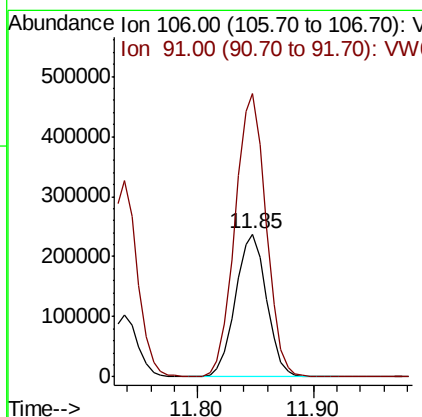
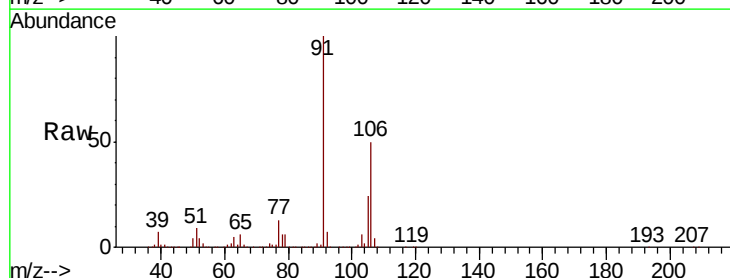
Manual Integrations
APPROVED

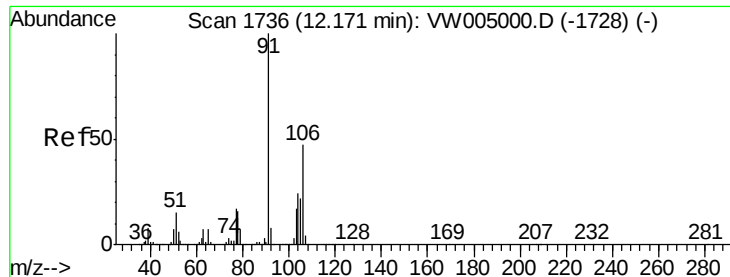
apatel
8/30/2018 12:44:01 PM



#68
m/p-Xylenes
Concen: 42.321 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW005007.D
Acq: 29 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
106	100		
91	198.0	158.4	237.6





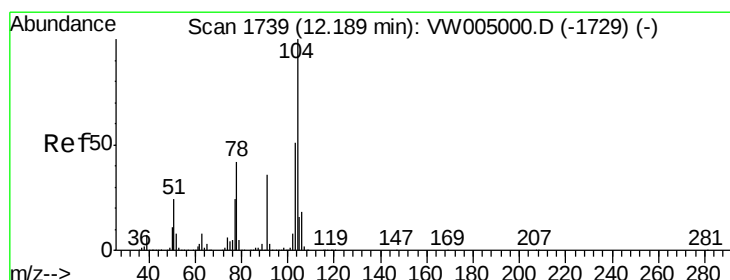
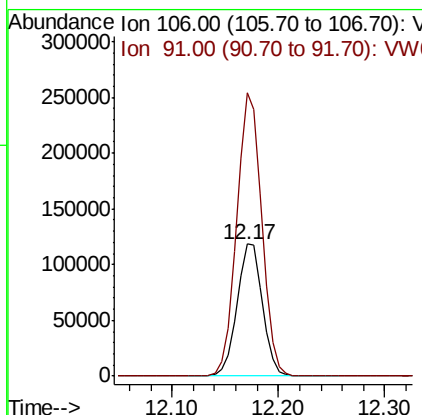
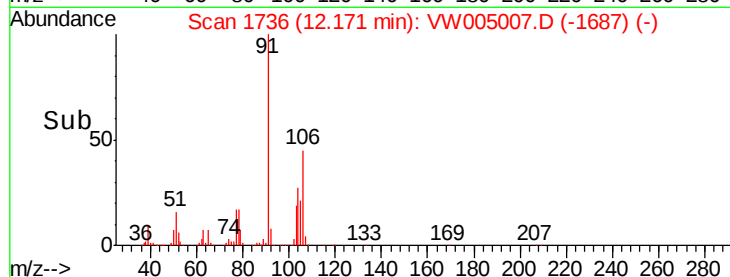
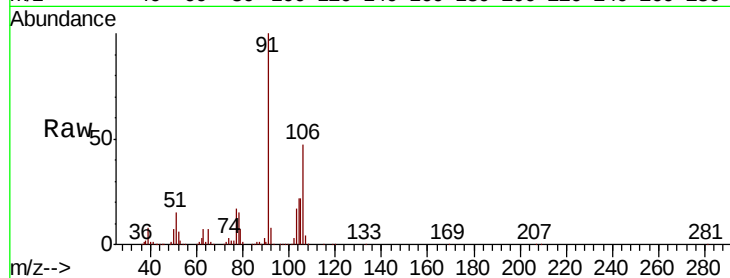
#69
o-Xylene
Concen: 20.855 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW005007.D
Acq: 29 Aug 2018 16:54

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	211.0	104.4	313.1

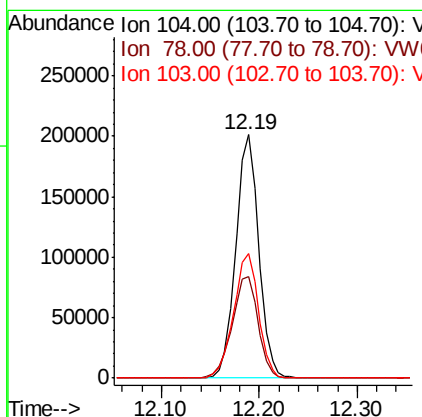
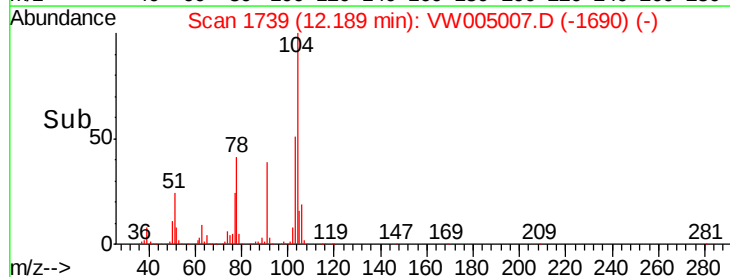
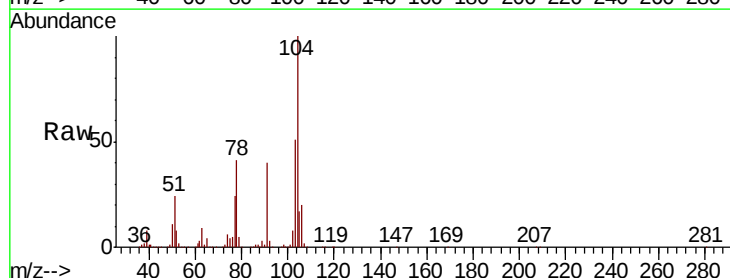
Manual Integrations
APPROVED

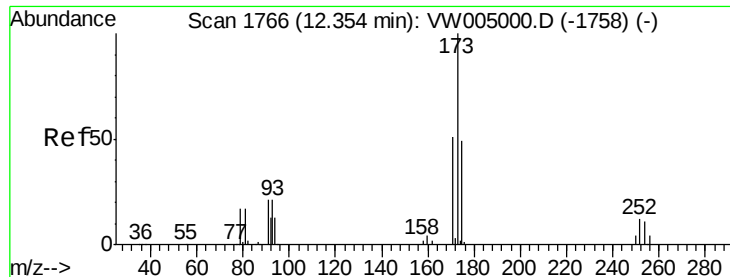
apatel
8/30/2018 12:44:01 PM



#70
Styrene
Concen: 20.727 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW005007.D
Acq: 29 Aug 2018 16:54

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	47.0	37.6	56.4
103	103	55.6	43.9	65.9





#71

Bromoform

Concen: 18.897 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Instrument :

MSVOA_W

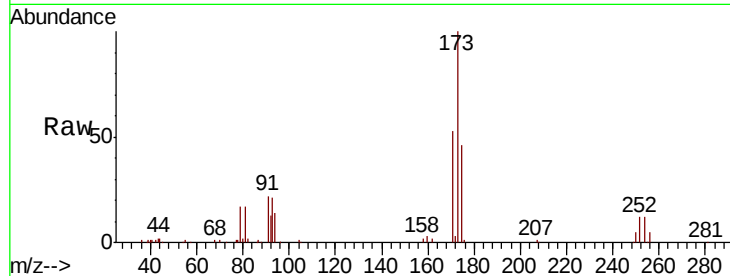
ClientSampleId :

VW0829SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.3	73.0
254	0.1	0.1	0.1

Manual Integrations
APPROVED

apatel
8/30/2018 12:44:01 PM

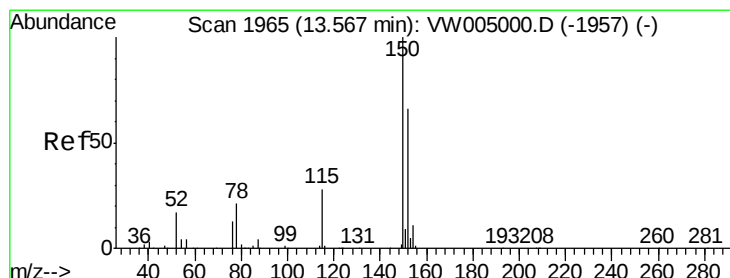
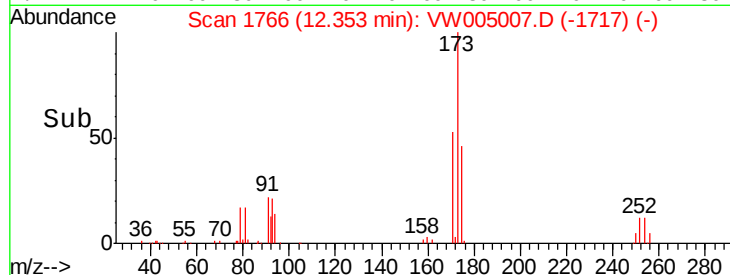
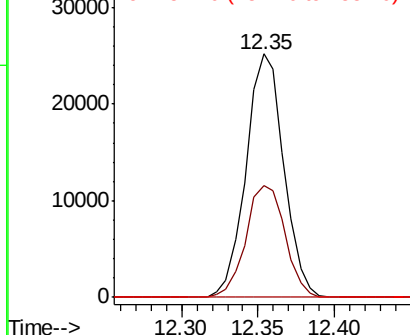


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

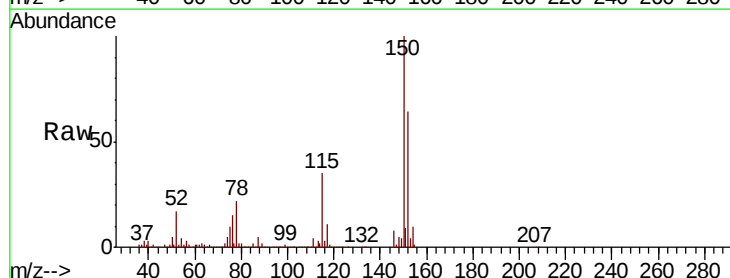
RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.0	83.9
150	162.9	0.0	347.2

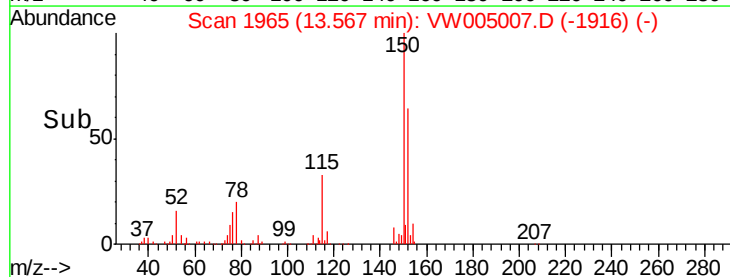
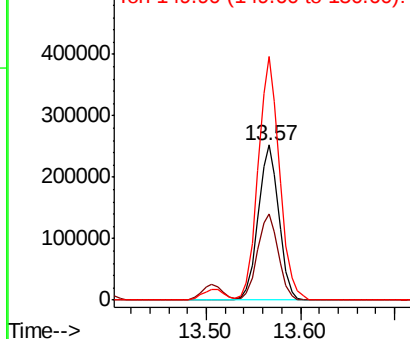


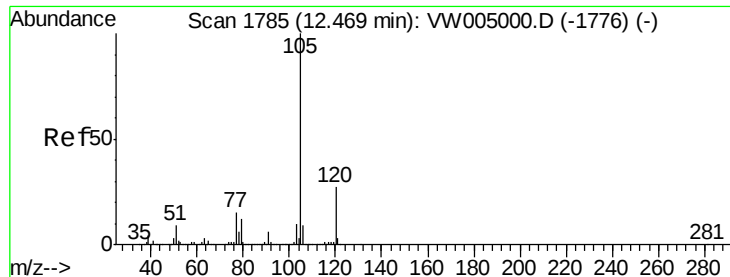
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.500 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

Tot Ion: 105 Resp: 532653

Ion Ratio Lower Upper

105 100

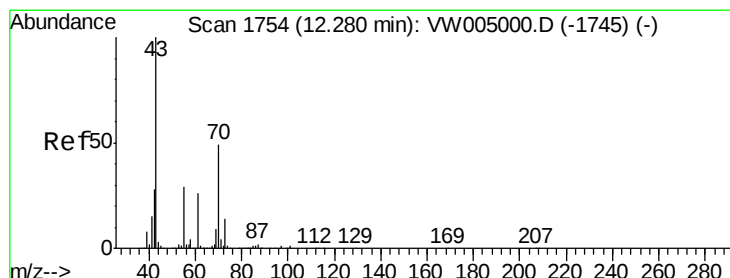
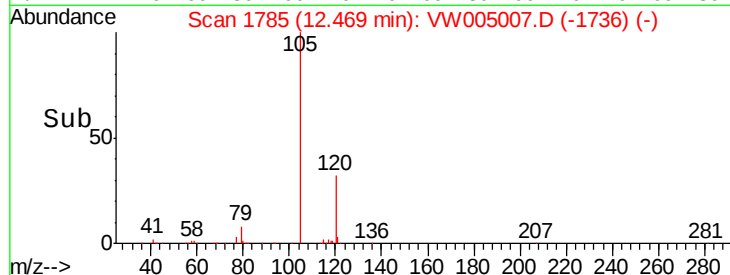
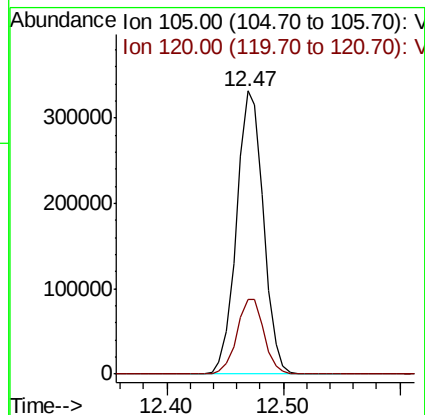
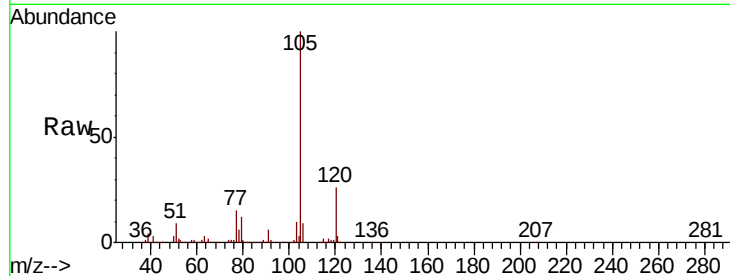
120 26.7 13.4 40.2

Manual Integrations

APPROVED

apatel

8/30/2018 12:44:01 PM



#74

N-ethyl acetate

Concen: 20.746 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Tgt Ion: 43 Resp: 101723

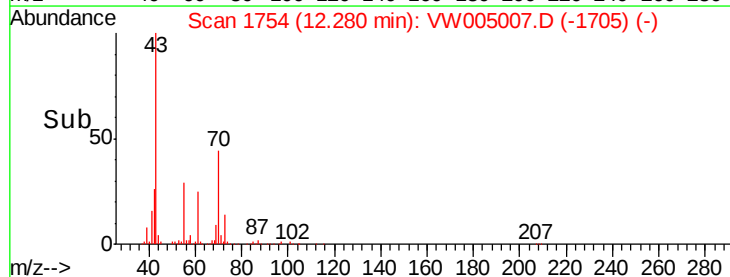
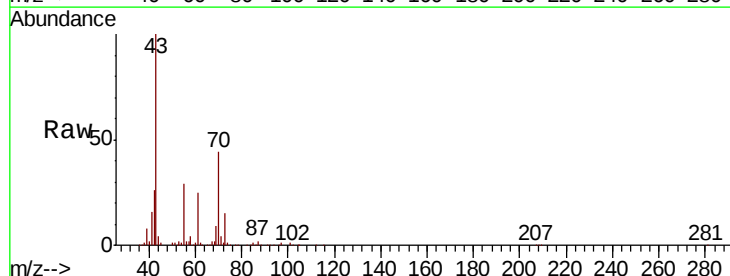
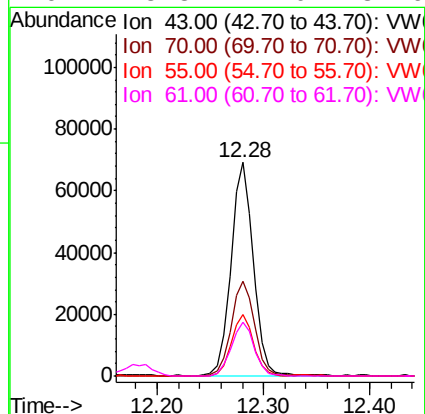
Ion Ratio Lower Upper

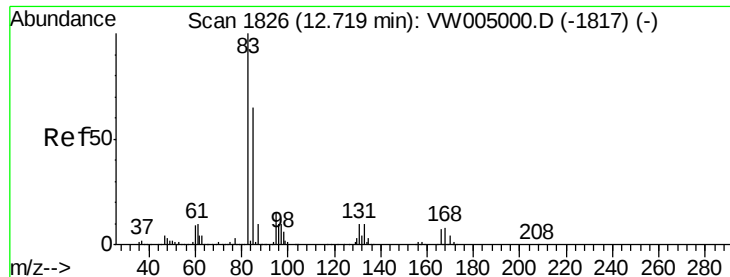
43 100

70 46.0 38.6 57.8

55 28.7 23.6 35.4

61 25.8 21.0 31.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.704 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Instrument :

MSVOA_W

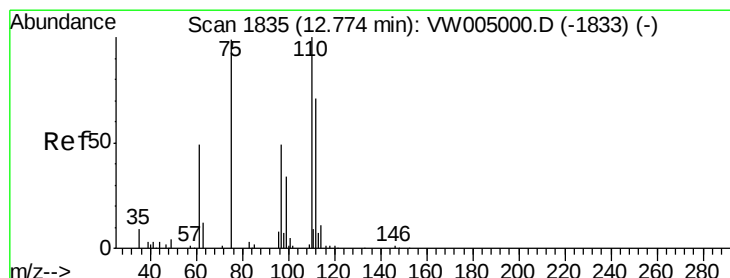
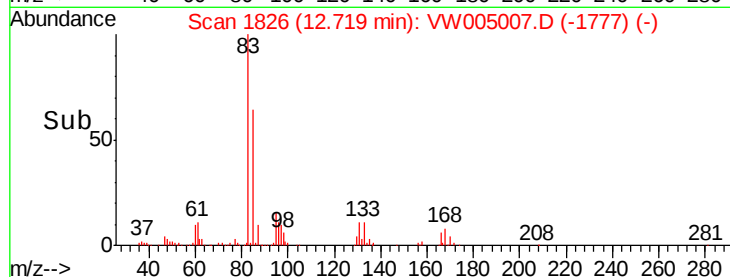
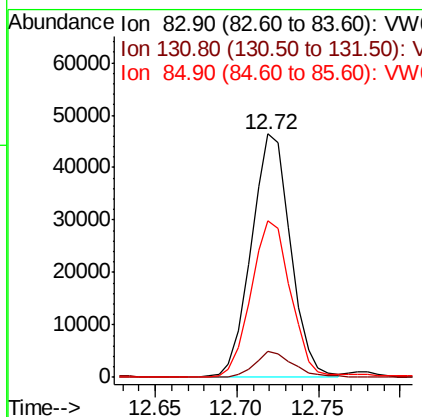
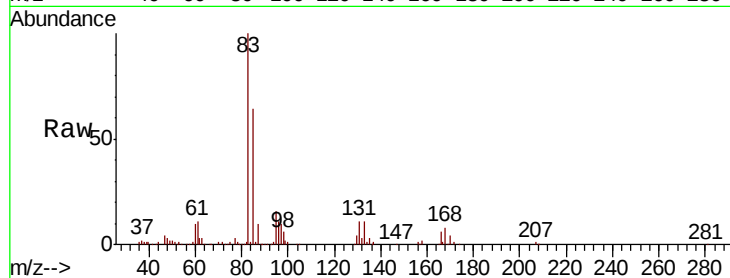
ClientSampleId :

VW0829SBS01

Tot Ion:	83	Resp:	77517
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.5	16.5
85	64.7	31.9	95.9

Manual Integrations
APPROVED

apatel
8/30/2018 12:44:01 PM



#76

1,2,3-Trichloropropane

Concen: 19.936 ug/l m

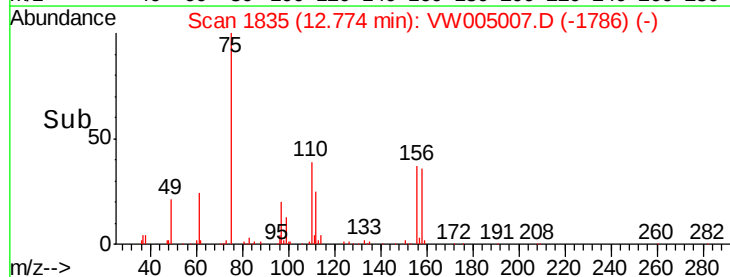
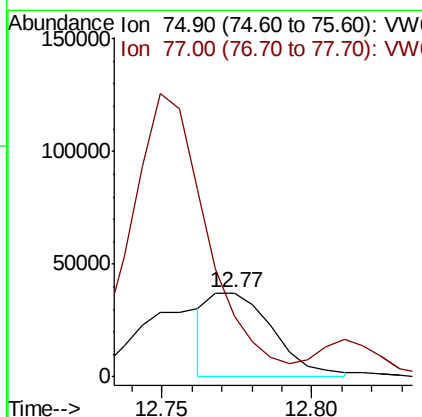
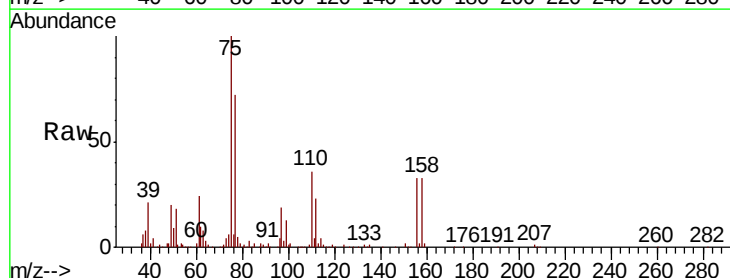
RT: 12.77 min Scan# 1835

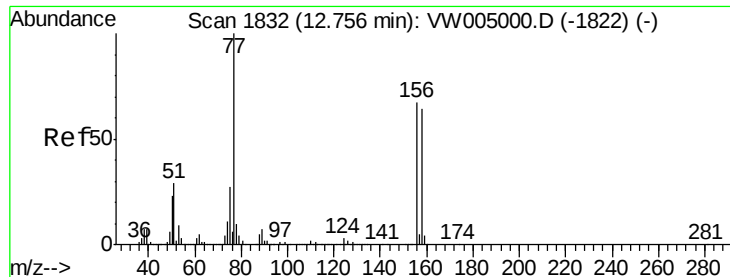
Delta R.T. -0.00 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Tgt Ion:	75	Resp:	55037
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.403 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Instrument :

MSVOA_W

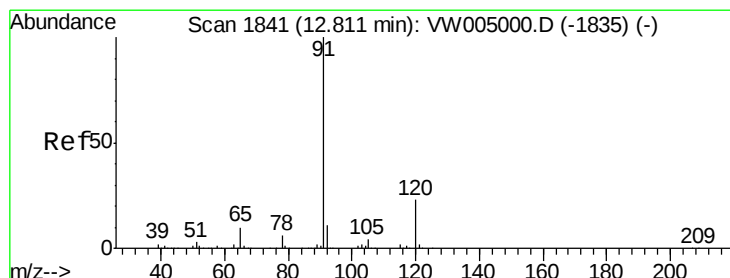
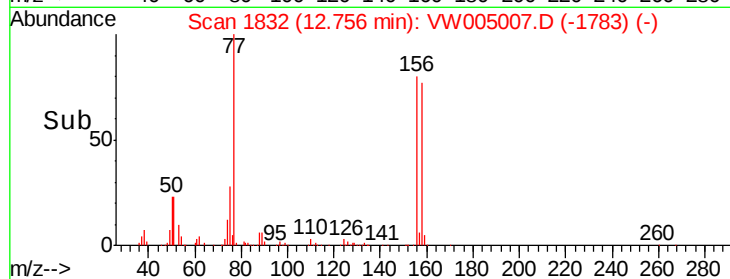
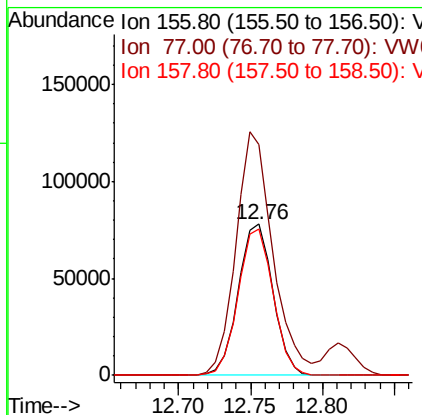
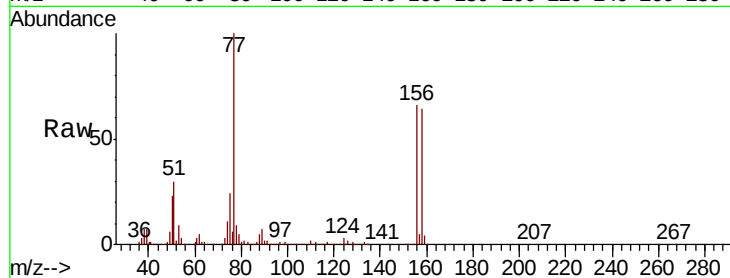
ClientSampleId :

VW0829SBS01

Tot Ion:	156	Resp:	130074
Ion Ratio	Lower	Upper	
156	100		
77	171.5	86.9	260.6
158	97.7	48.6	145.9

Manual Integrations
APPROVED

apatel
8/30/2018 12:44:01 PM



#78

n-propylbenzene

Concen: 20.930 ug/l

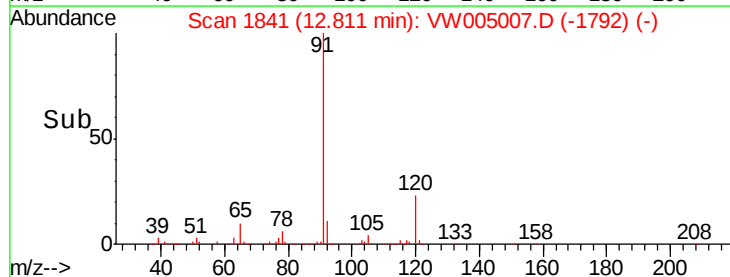
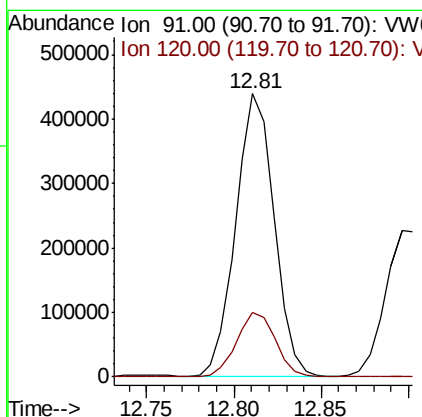
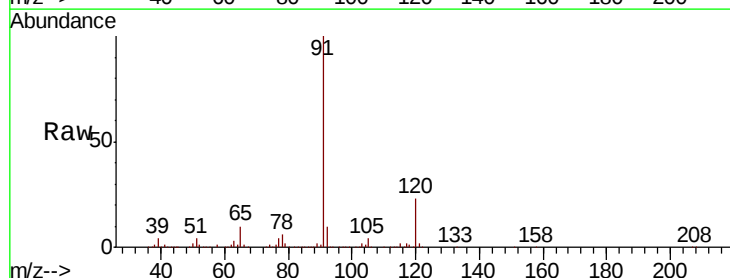
RT: 12.81 min Scan# 1841

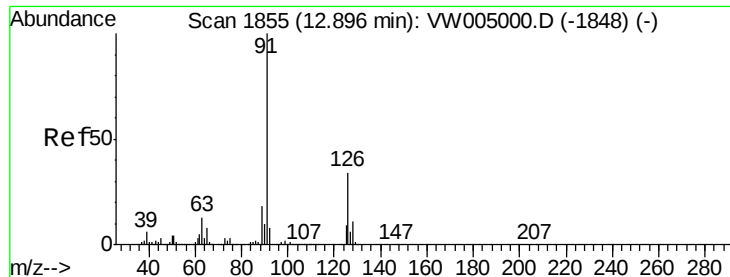
Delta R.T. -0.00 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Tgt Ion:	91	Resp:	670801
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.7	35.1





#79

2-Chlorotoluene

Concen: 20.498 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

Tot Ion: 91 Resp: 379450

Ion Ratio Lower Upper

91 100

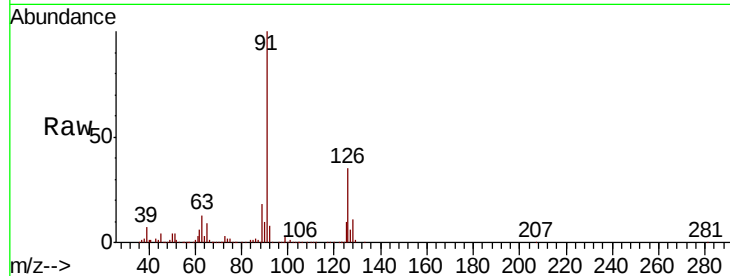
126 35.1 17.3 52.0

Manual Integrations

APPROVED

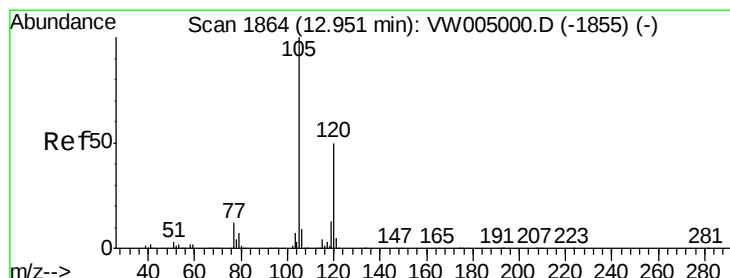
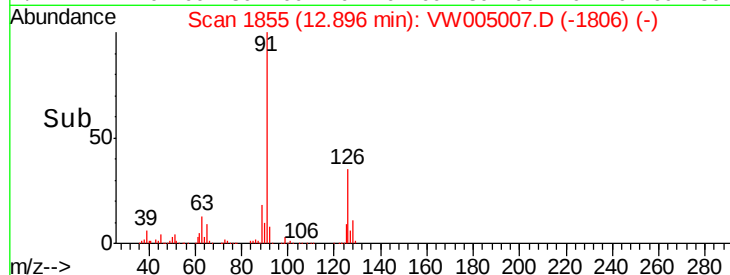
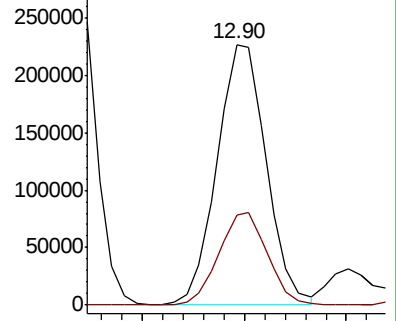
apatel

8/30/2018 12:44:01 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.784 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW005007.D

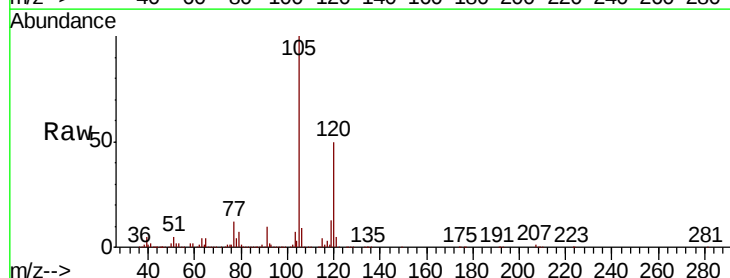
Acq: 29 Aug 2018 16:54

Tgt Ion: 105 Resp: 477140

Ion Ratio Lower Upper

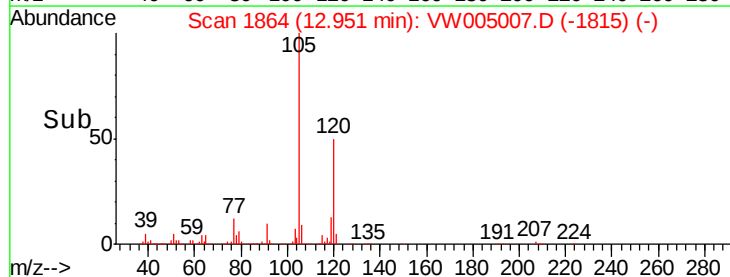
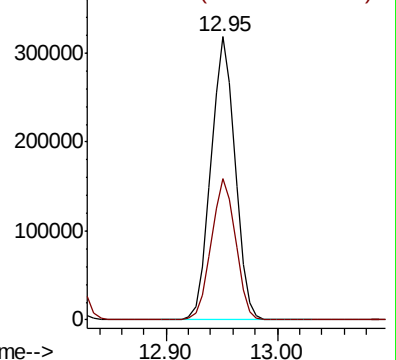
105 100

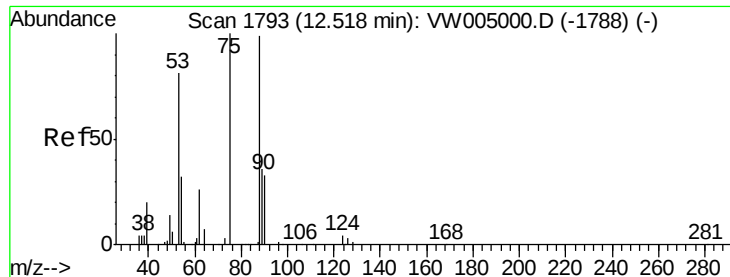
120 50.3 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





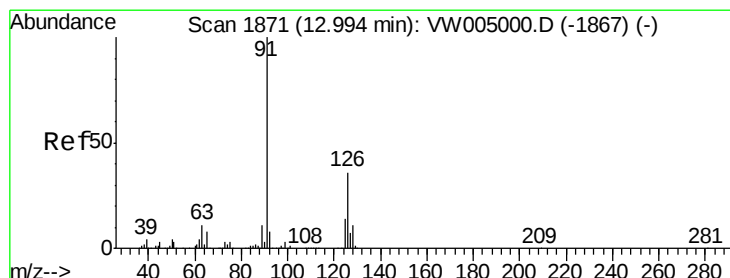
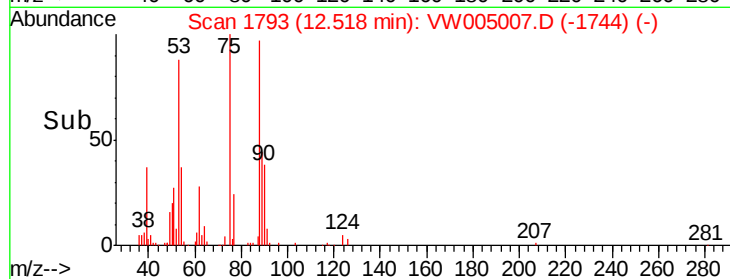
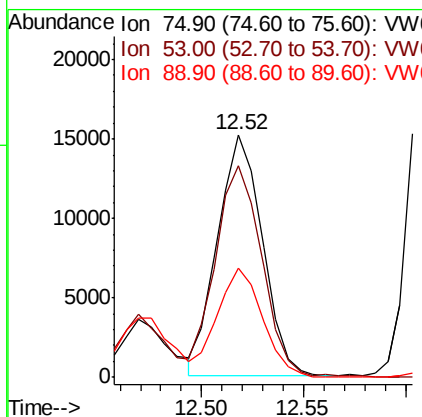
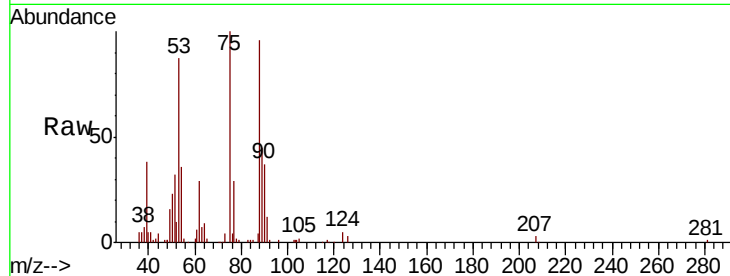
#81
trans-1,4-Dichloro-2-butene
Concen: 18.959 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VW005007.D
Acq: 29 Aug 2018 16:54

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.5	67.4	101.2
89	46.0	35.0	52.6

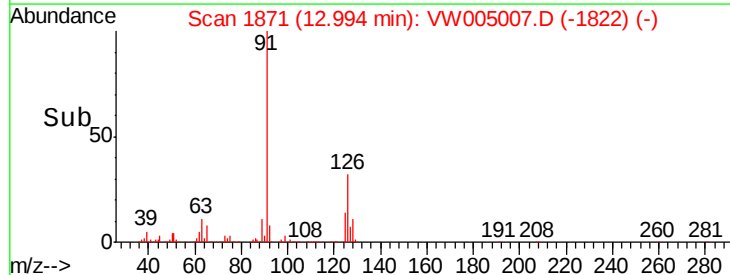
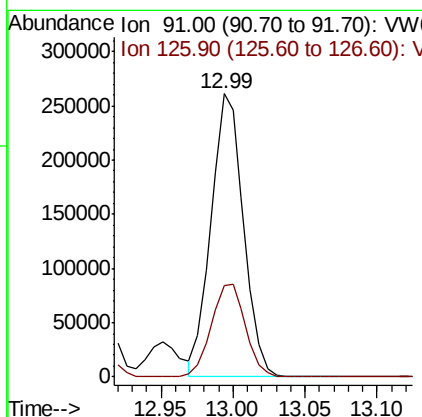
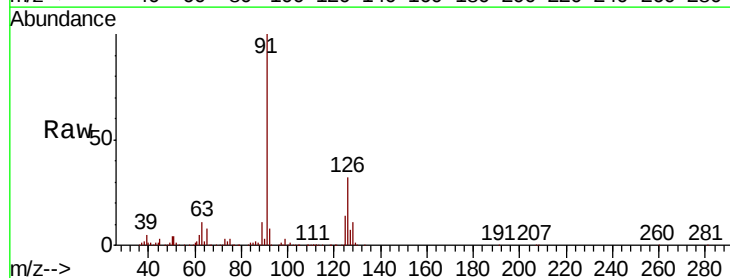
Manual Integrations
APPROVED

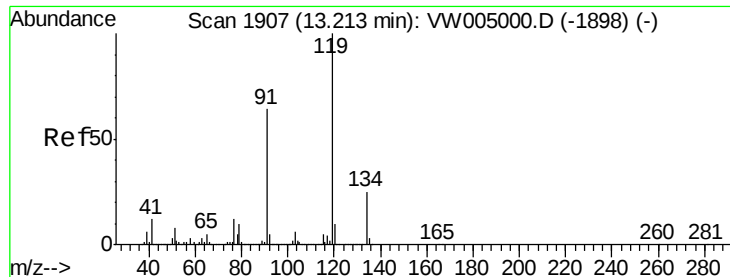
apatel
8/30/2018 12:44:01 PM



#82
4-Chlorotoluene
Concen: 20.763 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VW005007.D
Acq: 29 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.5	52.5





#83

tert-Butylbenzene

Concen: 20.347 ug/l

RT: 13.21 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Instrument :

MSVOA_W

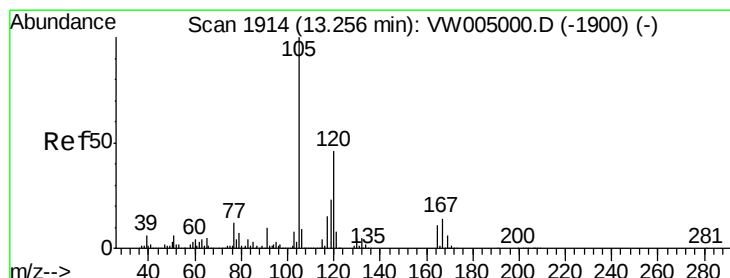
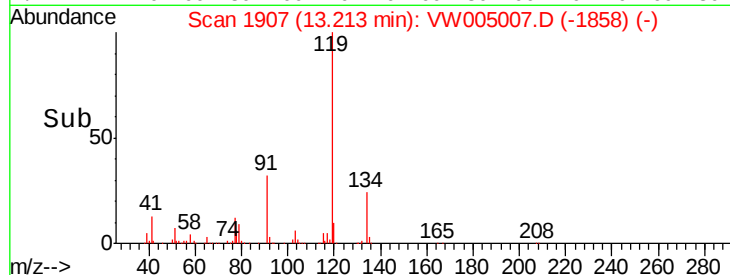
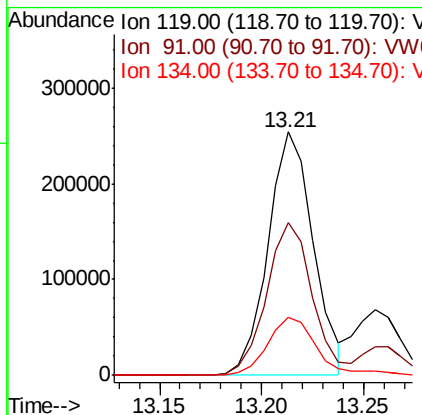
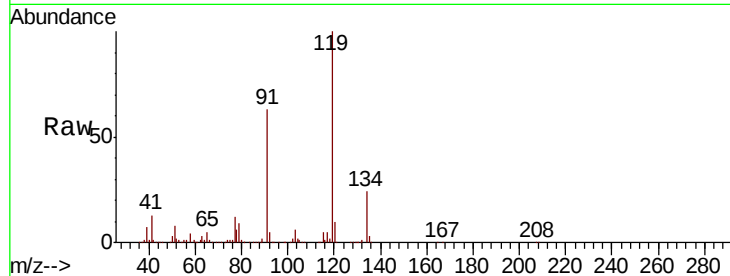
ClientSampleId :

VW0829SBS01

Tot Ion:	119	Resp:	392314
Ion Ratio	Lower	Upper	
119	100		
91	64.0	31.9	95.5
134	26.2	13.2	39.5

Manual Integrations
APPROVED

apatel
8/30/2018 12:44:01 PM



#84

1,2,4-Trimethylbenzene

Concen: 20.800 ug/l

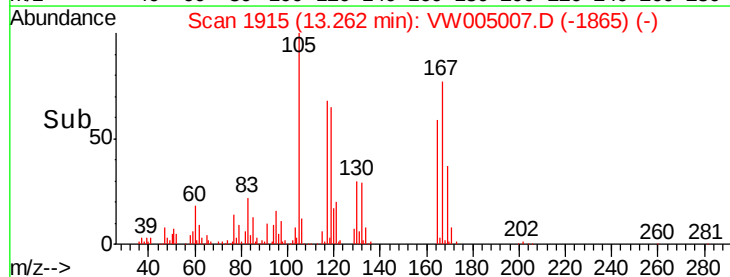
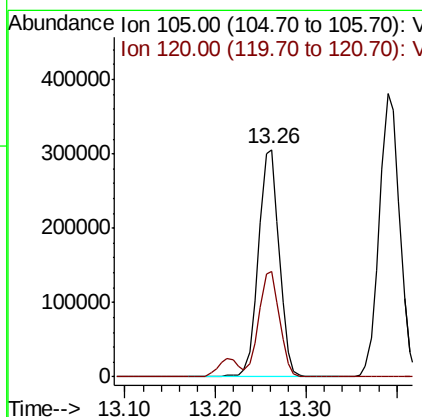
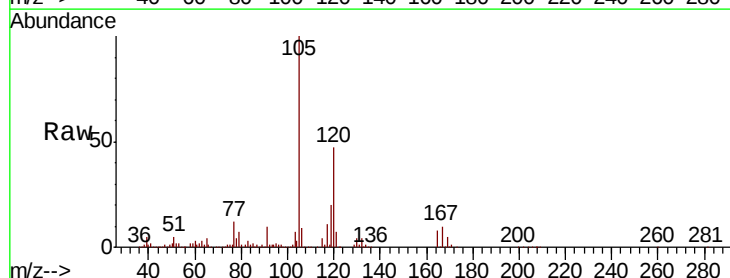
RT: 13.26 min Scan# 1915

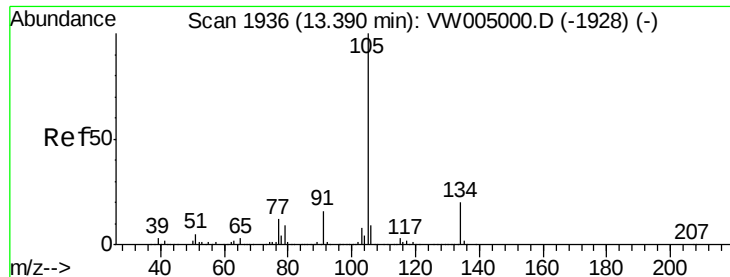
Delta R.T. 0.01 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Tgt Ion:	105	Resp:	484484
Ion Ratio	Lower	Upper	
105	100		
120	46.2	22.9	68.7





#85

sec-Butylbenzene

Concen: 20.895 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

Tot Ion:105 Resp: 591413

Ion Ratio Lower Upper

105 100

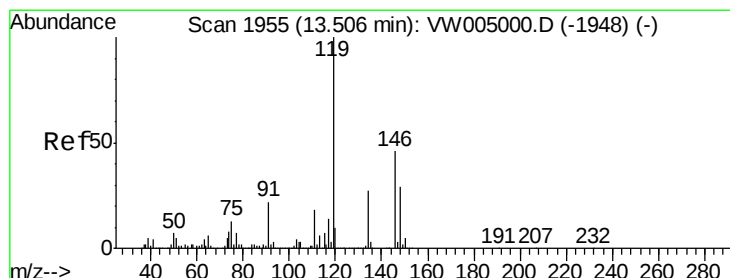
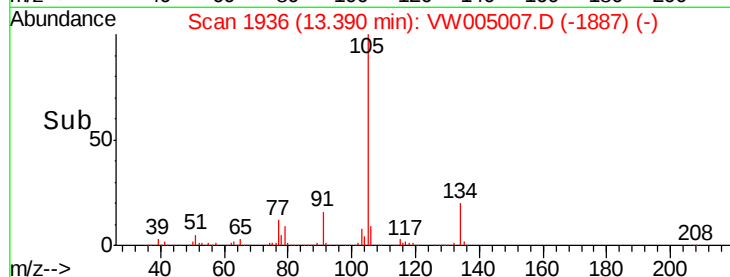
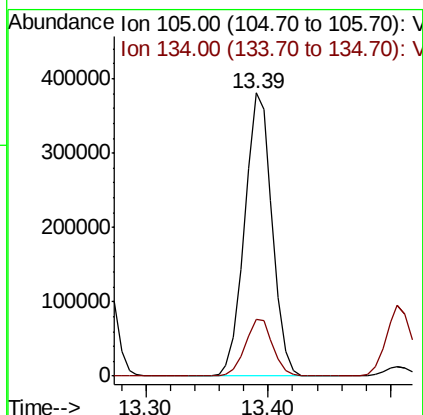
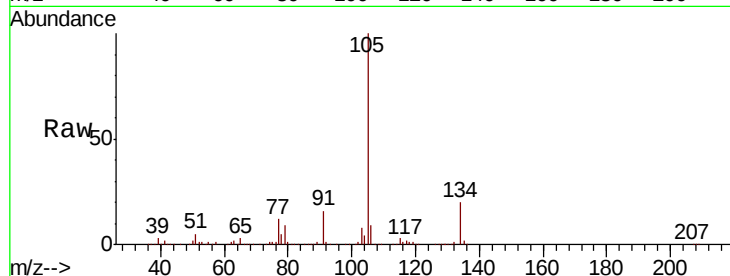
134 20.2 10.1 30.3

Manual Integrations

APPROVED

apatel

8/30/2018 12:44:01 PM



#86

p-Isopropyltoluene

Concen: 21.046 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

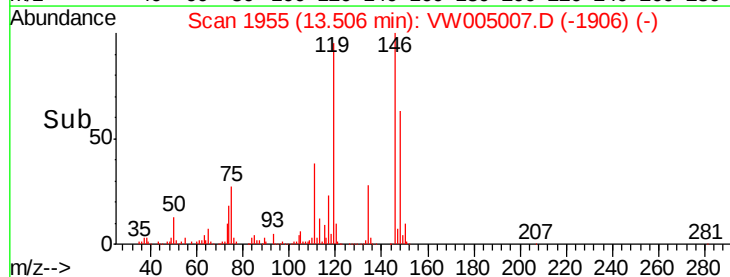
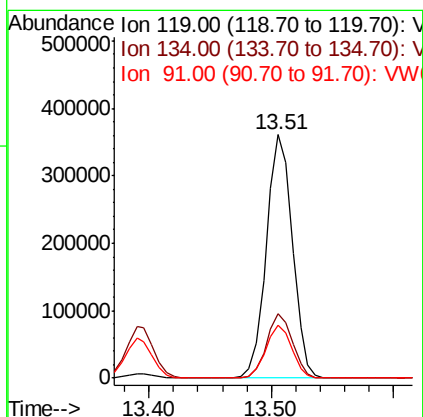
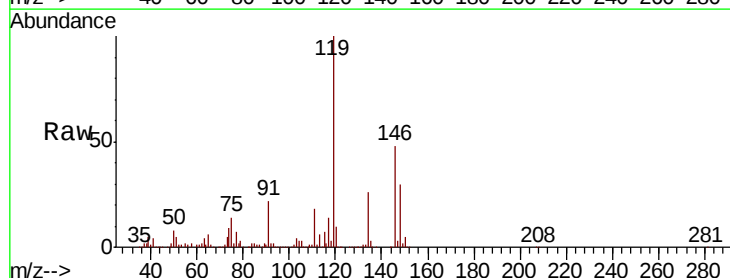
Tgt Ion:119 Resp: 533675

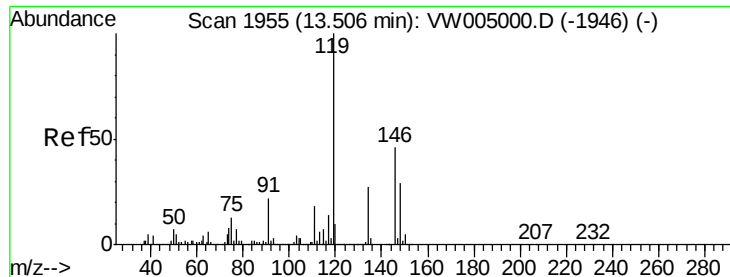
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 21.9 10.9 32.9





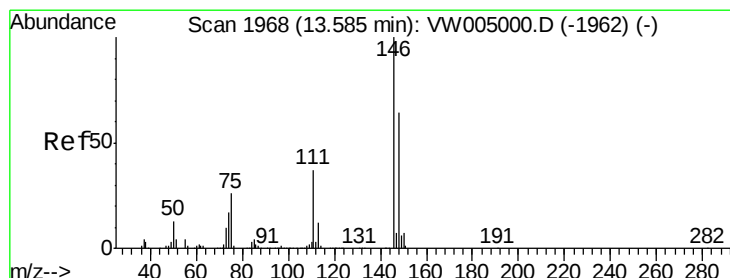
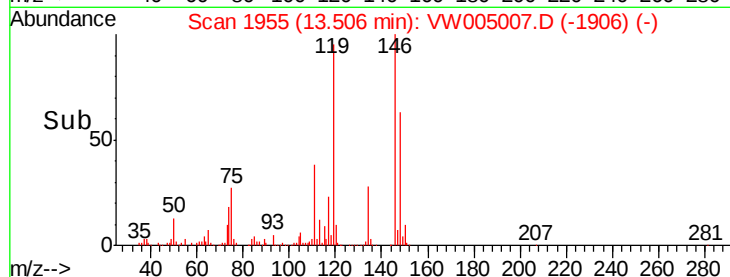
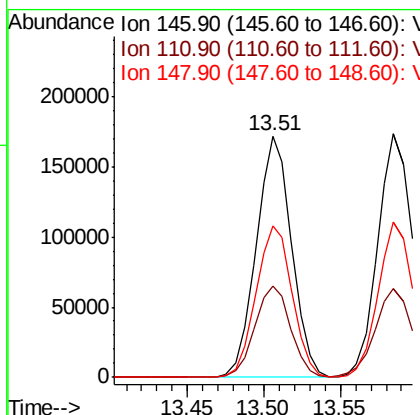
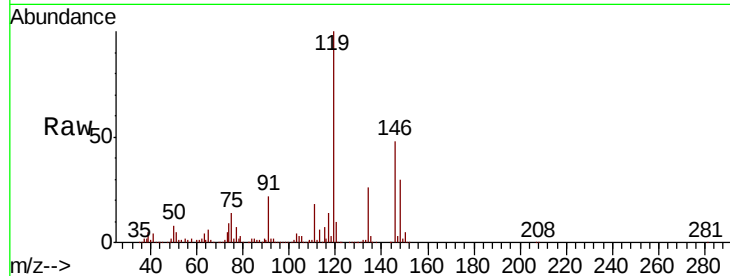
#87
 1,3-Dichlorobenzene
 Concen: 20.448 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW005007.D
 Acq: 29 Aug 2018 16:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	276355		
111	38.3	19.3	57.8	
148	64.1	31.6	94.7	

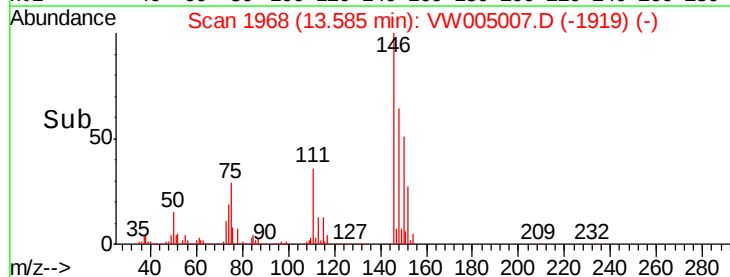
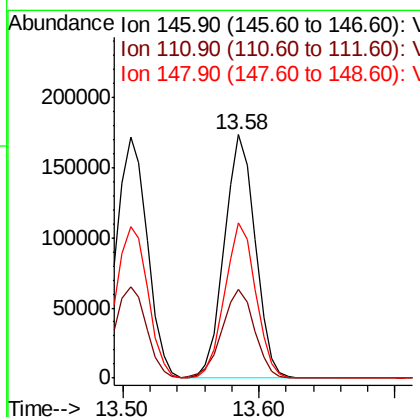
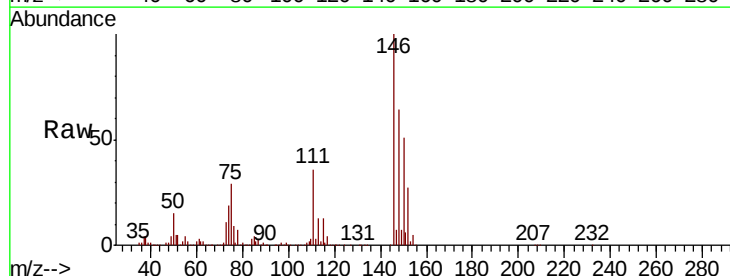
Manual Integrations
 APPROVED

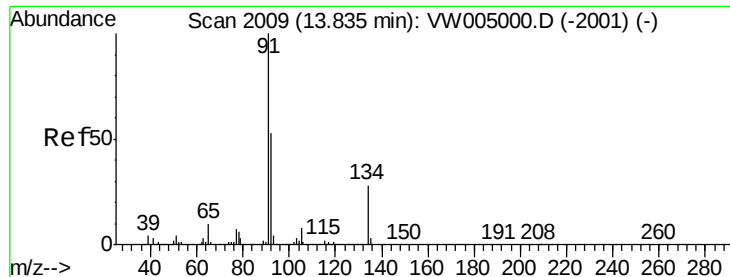
apatel
 8/30/2018 12:44:01 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.417 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW005007.D
 Acq: 29 Aug 2018 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	273323		
111	38.3	18.7	56.1	
148	64.0	31.7	95.1	





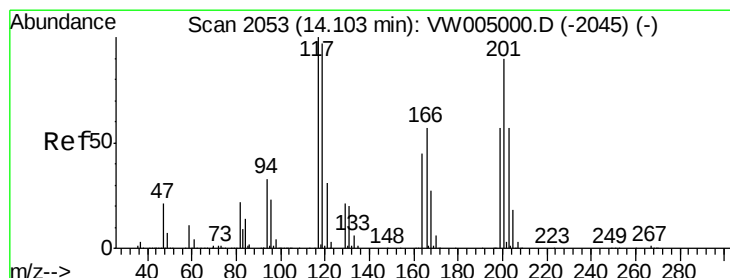
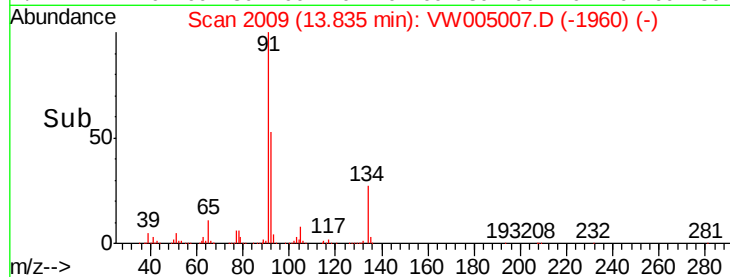
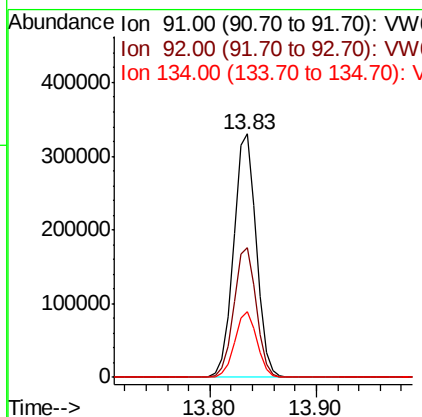
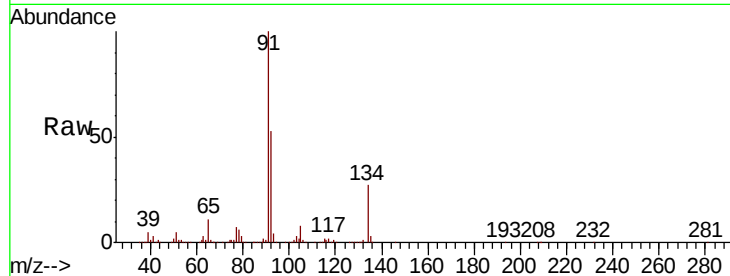
#89
n-Butylbenzene
Concen: 20.635 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VW005007.D
Acq: 29 Aug 2018 16:54

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	91	100	491204		
92	92	52.9	26.5	79.4	
134	134	26.7	13.4	40.1	

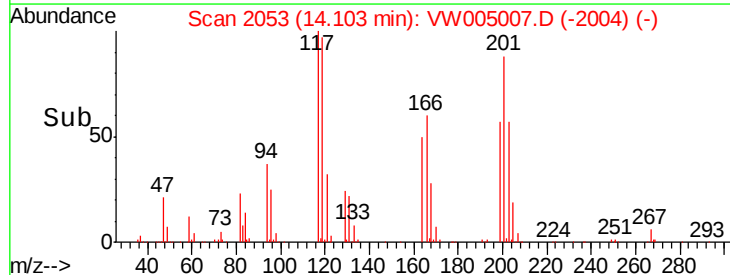
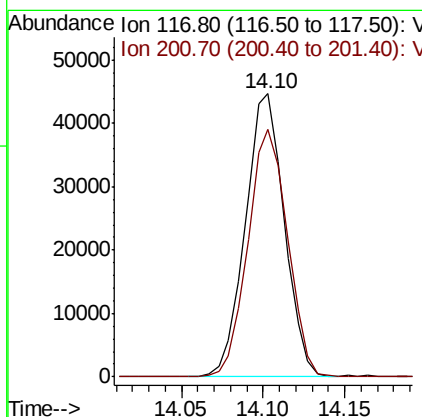
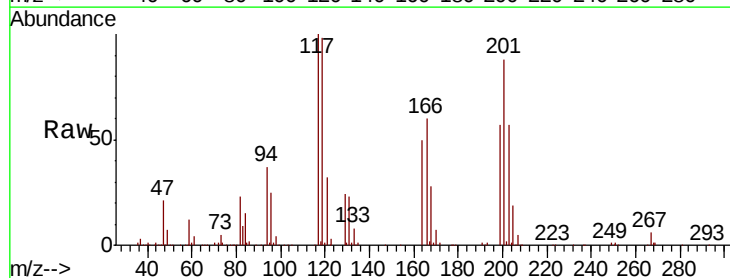
Manual Integrations
APPROVED

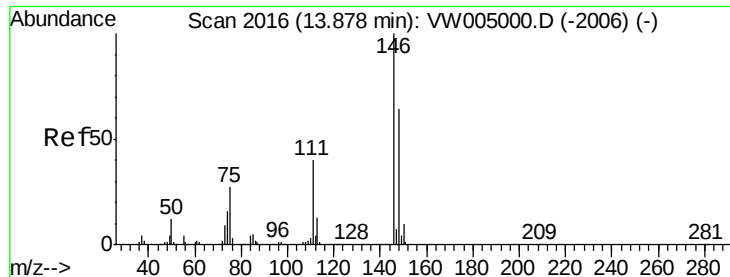
apatel
8/30/2018 12:44:01 PM



#90
Hexachloroethane
Concen: 18.626 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. -0.00 min
Lab File: VW005007.D
Acq: 29 Aug 2018 16:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	117	100	74244		
201	201	89.0	44.3	132.8	





#91

1,2-Dichlorobenzene

Concen: 20.633 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Instrument :

MSVOA_W

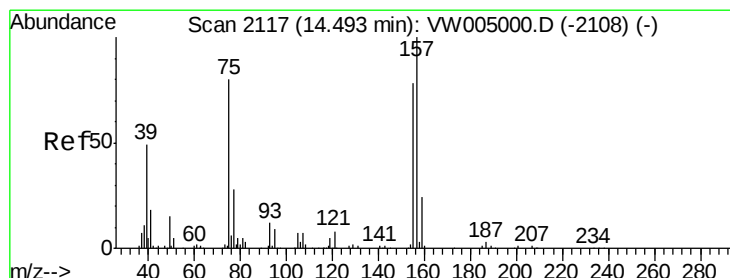
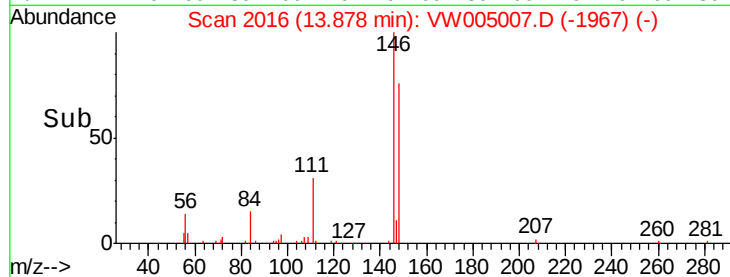
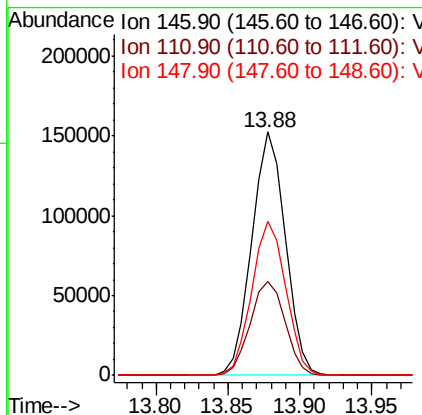
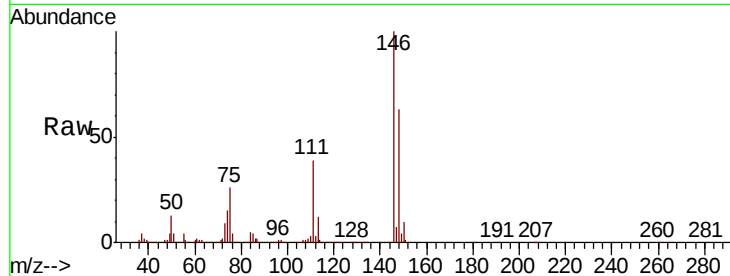
ClientSampleId :

VW0829SBSD01

Tot Ion:	146	Resp:	245471
Ion Ratio	Lower	Upper	
146	100		
111	40.2	19.9	59.7
148	64.0	31.9	95.7

Manual Integrations
APPROVED

apatel
8/30/2018 12:44:01 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.590 ug/l

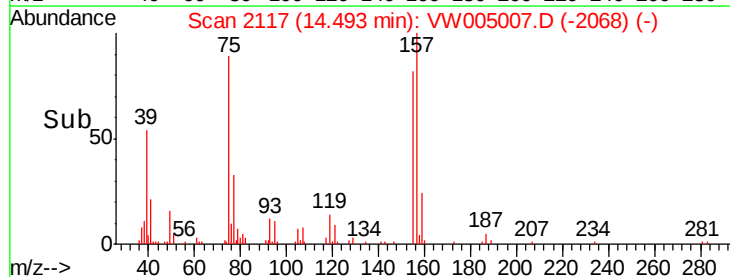
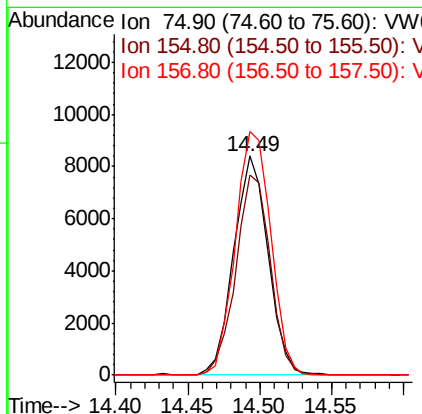
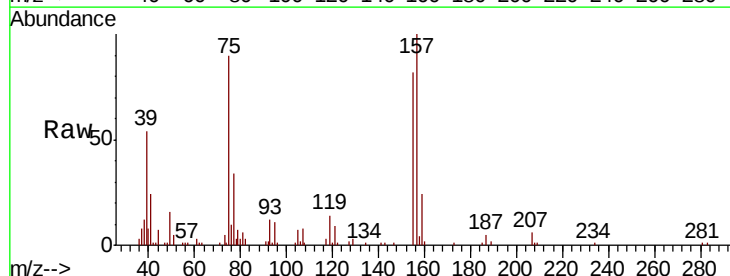
RT: 14.49 min Scan# 2117

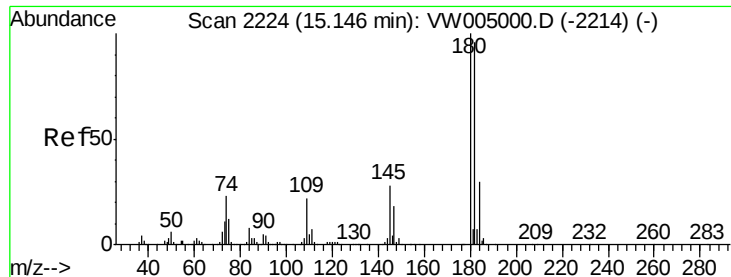
Delta R.T. -0.00 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Tgt Ion:	75	Resp:	13990
Ion Ratio	Lower	Upper	
75	100		
155	91.1	46.1	138.2
157	114.5	58.7	176.1





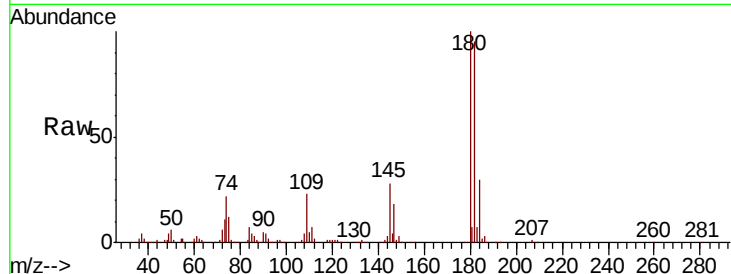
#93
 1,2,4-Trichlorobenzene
 Concen: 19.972 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW005007.D
 Acq: 29 Aug 2018 16:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

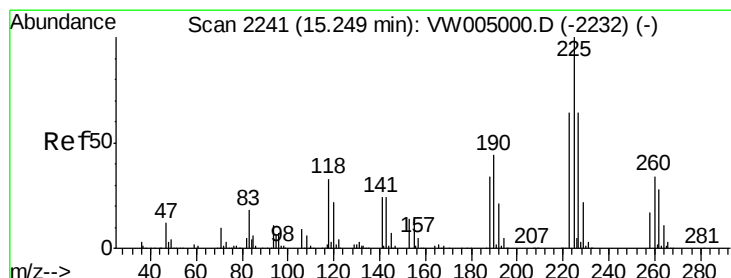
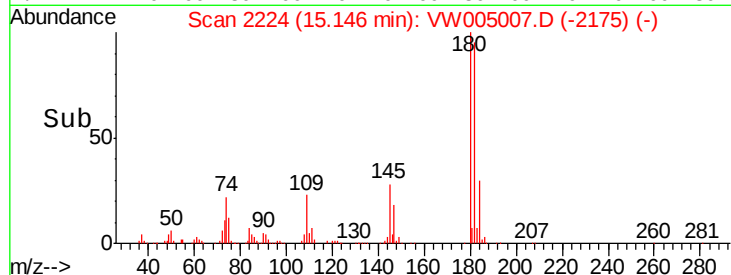
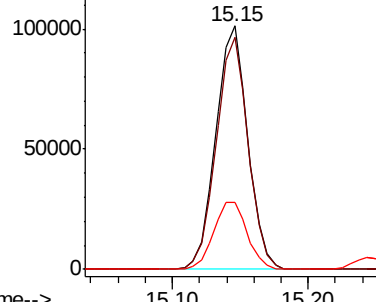
Tot Ion	Ratio	Resp	Lower	Upper
180	100	166461		
182	95.1	47.6	142.8	
145	29.1	14.3	42.9	

Manual Integrations
 APPROVED

apatel
 8/30/2018 12:44:01 PM

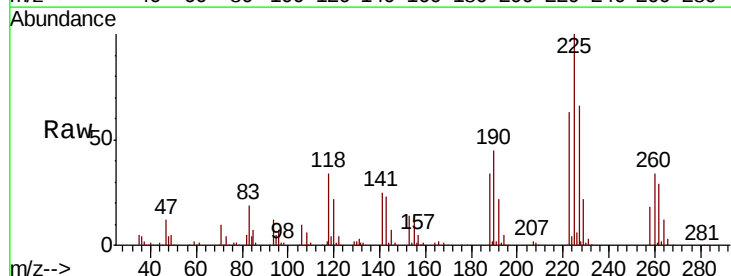


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

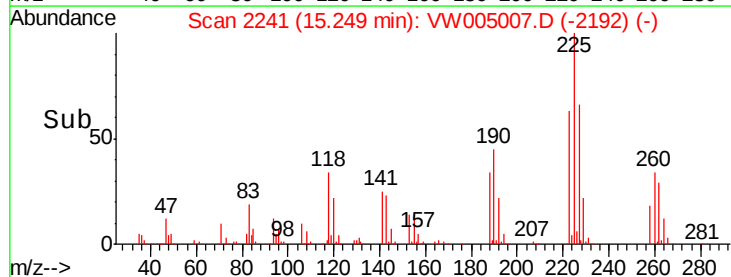
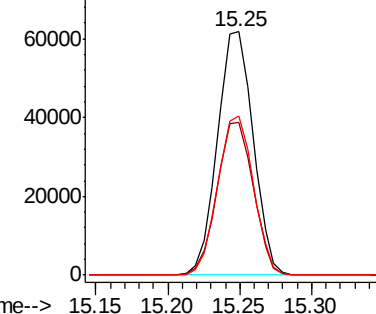


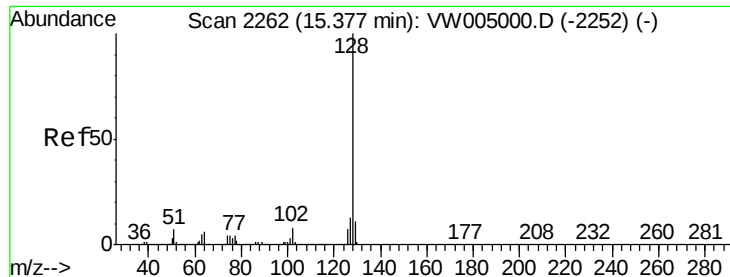
#94
 Hexachlorobutadiene
 Concen: 20.304 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW005007.D
 Acq: 29 Aug 2018 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	105930		
223	63.6	32.0	96.0	
227	65.4	31.9	95.7	



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





#95

Naphthalene

Concen: 20.533 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Instrument :

MSVOA_W

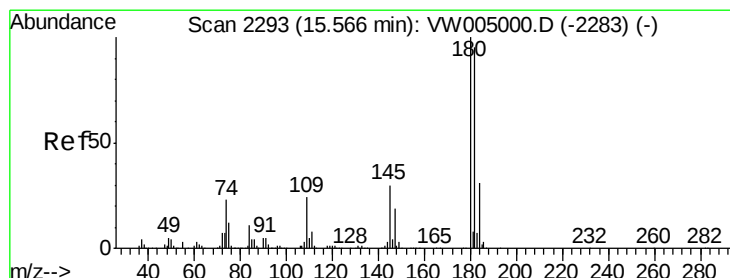
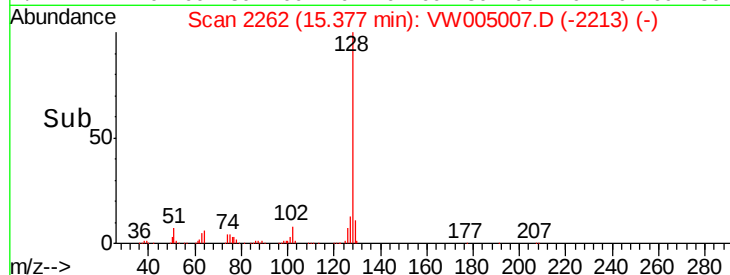
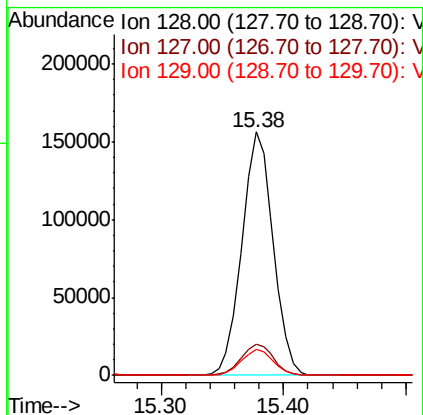
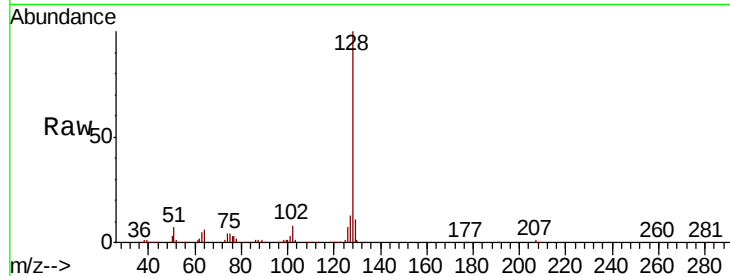
ClientSampleId :

VW0829SBS01

Tot Ion:	128	Resp:	276966
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	10.7	8.7	13.1

Manual Integrations
APPROVED

apatel
8/30/2018 12:44:01 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.301 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW005007.D

Acq: 29 Aug 2018 16:54

Tgt Ion:	180	Resp:	149473
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.6	142.8
145	30.6	15.1	45.3

