

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092618\
 Data File : VW005661.D
 Acq On : 26 Sep 2018 18:58
 Operator : VA/AP
 Sample : J5066-06MSD
 Misc : 5.02G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-G3

Manual Integrations
 APPROVED

apatel
 9/27/2018 10:33:52 AM

Quant Time: Sep 27 07:06:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	288184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	455249	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	397624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	371058	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	147074	43.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.64%	
35) Dibromofluoromethane	7.88	113	121195	42.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.66%	
50) Toluene-d8	10.33	98	450357	38.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.26%	
62) 4-Bromofluorobenzene	12.62	95	491216	113.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	227.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	89114	51.514	ug/l	97
3) Chloromethane	2.21	50	102740	44.349	ug/l	97
4) Vinyl Chloride	2.37	62	142865	51.593	ug/l	99
5) Bromomethane	2.78	94	88512	47.299	ug/l	98
6) Chloroethane	2.92	64	85624	48.189	ug/l	96
7) Trichlorofluoromethane	3.25	101	81553	37.655	ug/l	99
8) Diethyl Ether	3.68	74	75585	53.427	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	109895	40.085	ug/l	100
10) Methyl Iodide	4.27	142	202589	48.051	ug/l	97
11) Tert butyl alcohol	5.19	59	49189	280.904	ug/l	98
12) 1,1-Dichloroethene	4.04	96	133645	50.919	ug/l	99
13) Acrolein	3.88	56	722	Below Cal	#	13
14) Allyl chloride	4.66	41	225727	49.280	ug/l	97
15) Acrylonitrile	5.37	53	172829	275.146	ug/l	99
16) Acetone	4.13	43	158559	298.927	ug/l	97
17) Carbon Disulfide	4.38	76	396643	48.368	ug/l	99
18) Methyl Acetate	4.67	43	317525	197.331	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	158946	39.235	ug/l	98
20) Methylene Chloride	4.91	84	141019	49.537	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	139990	48.697	ug/l	96
22) Diisopropyl ether	6.31	45	357660	40.223	ug/l	98
23) Vinyl Acetate	6.26	43	511086m	100.561	ug/l	
24) 1,1-Dichloroethane	6.21	63	259701	47.272	ug/l	100
25) 2-Butanone	7.18	43	234408	284.279	ug/l	99
26) 2,2-Dichloropropane	7.16	77	132078	34.437	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	154528	48.736	ug/l	97
28) Bromochloromethane	7.51	49	94093	43.238	ug/l	99
29) Tetrahydrofuran	7.53	42	168916	327.905	ug/l	99
30) Chloroform	7.68	83	267210	47.112	ug/l	99
31) Cyclohexane	7.96	56	171523	32.588	ug/l	97
32) 1,1,1-Trichloroethane	7.88	97	195567	39.032	ug/l	98
36) 1,1-Dichloropropene	8.09	75	197633	43.125	ug/l	99
37) Ethyl Acetate	7.26	43	84856	44.000	ug/l	100
38) Carbon Tetrachloride	8.07	117	191094	38.912	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092618\
 Data File : VW005661.D
 Acq On : 26 Sep 2018 18:58
 Operator : VA/AP
 Sample : J5066-06MSD
 Misc : 5.02G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-G3

Manual Integrations
 APPROVED

apatel
 9/27/2018 10:33:52 AM

Quant Time: Sep 27 07:06:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	123746	22.887	ug/l	98
40) Benzene	8.33	78	584000	44.976	ug/l	99
41) Methacrylonitrile	7.49	41	64433	58.711	ug/l	96
42) 1,2-Dichloroethane	8.40	62	192486	46.301	ug/l	98
43) Isopropyl Acetate	8.43	43	188699	49.766	ug/l	100
44) Trichloroethene	9.10	130	147812	44.473	ug/l	99
45) 1,2-Dichloropropane	9.37	63	147380	46.136	ug/l	99
46) Dibromomethane	9.46	93	79091	49.552	ug/l	98
47) Bromodichloromethane	9.65	83	190935	44.531	ug/l	100
48) Methyl methacrylate	9.44	41	116992	64.961	ug/l	94
49) 1,4-Dioxane	9.46	88	25837	1018.147	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	559948	293.205	ug/l	99
52) Toluene	10.39	92	343991	42.458	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	209857	48.823	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	229907	47.739	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	133866	59.084	ug/l	99
56) Ethyl methacrylate	10.65	69	166347	59.476	ug/l	95
57) 1,3-Dichloropropane	10.94	76	199567	49.699	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	332717	262.428	ug/l	99
59) 2-Hexanone	10.97	43	629111m	484.922	ug/l	
60) Dibromochloromethane	11.13	129	130800	47.780	ug/l	98
61) 1,2-Dibromoethane	11.24	107	110760	52.432	ug/l	95
64) Tetrachloroethene	10.87	164	109379	38.758	ug/l	97
65) Chlorobenzene	11.66	112	373477	44.245	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	136925	45.070	ug/l	98
67) Ethyl Benzene	11.74	91	569232	37.992	ug/l	100
68) m/p-Xylenes	11.85	106	339574	59.989	ug/l	97
69) o-Xylene	12.17	106	216025	40.749	ug/l	90
70) Styrene	12.19	104	359655	40.313	ug/l	95
71) Bromoform	12.35	173	79766	49.464	ug/l	99
73) Isopropylbenzene	12.47	105	401823	15.616	ug/l	99
74) N-amyl acetate	12.26	43	5056941	867.891	ug/l #	71
75) 1,1,2,2-Tetrachloroethane	12.71	83	687908	160.947	ug/l #	47
76) 1,2,3-Trichloropropane	12.77	75	116875m	36.950	ug/l	
77) Bromobenzene	12.76	156	151385	25.101	ug/l	87
78) n-propylbenzene	12.81	91	464518	14.911	ug/l	90
79) 2-Chlorotoluene	12.90	91	476571	26.441	ug/l	92
80) 1,3,5-Trimethylbenzene	12.95	105	412677	18.444	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	45267	32.233	ug/l #	1
82) 4-Chlorotoluene	12.99	91	490842m	25.775	ug/l	
83) tert-Butylbenzene	13.21	119	963894	51.277	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	256686	11.368	ug/l	94
85) sec-Butylbenzene	13.40	105	251401	9.221	ug/l	99
86) p-Isopropyltoluene	13.51	119	299675	12.264	ug/l	93
87) 1,3-Dichlorobenzene	13.51	146	232326	18.839	ug/l #	1
88) 1,4-Dichlorobenzene	13.59	146	242563	19.777	ug/l #	1
89) n-Butylbenzene	13.83	91	125115	5.428	ug/l #	67
90) Hexachloroethane	14.11	117	760805	171.777	ug/l #	13
91) 1,2-Dichlorobenzene	13.88	146	211052	19.387	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.47	75	34793	42.726	ug/l #	4

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092618\
Data File : VW005661.D
Acq On : 26 Sep 2018 18:58
Operator : VA/AP
Sample : J5066-06MSD
Misc : 5.02G/5ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-G3

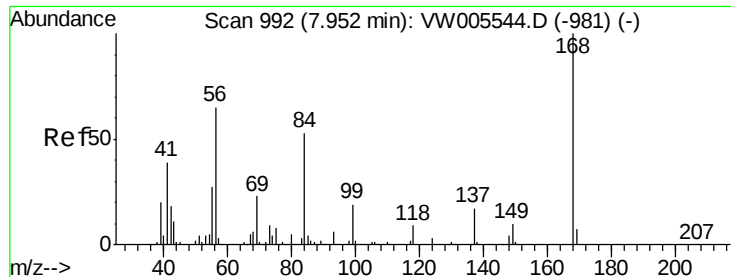
Manual Integrations
APPROVED

apatel
9/27/2018 10:33:52 AM

Quant Time: Sep 27 07:06:38 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 21 09:05:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	105031	13.525	ug/l #	1
94) Hexachlorobutadiene	15.24	225	28305	5.626	ug/l	99
95) Naphthalene	15.38	128	146443	11.211	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.57	180	97379	14.229	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-G3

Tot Ion:168 Resp: 288184

Ion Ratio Lower Upper

168 100

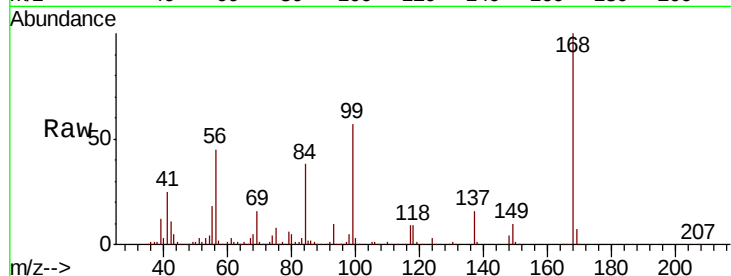
99 56.8 48.4 72.6

Manual Integrations

APPROVED

apatel

9/27/2018 10:33:52 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

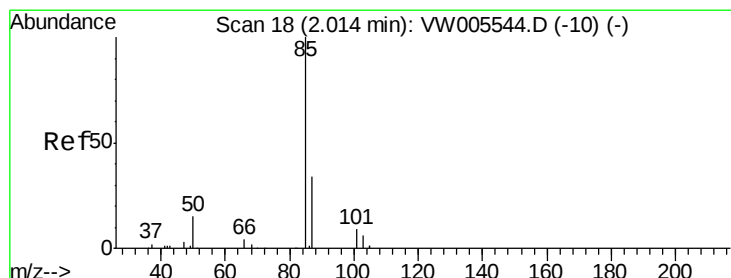
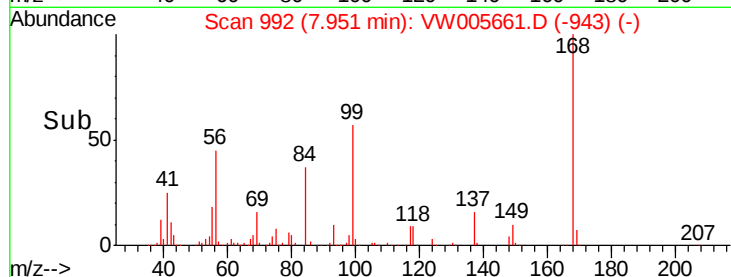
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.514 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005661.D

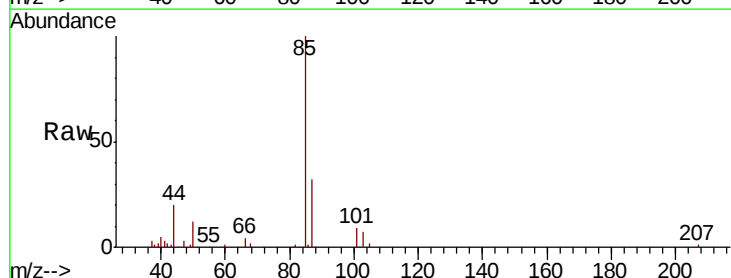
Acq: 26 Sep 2018 18:58

Tgt Ion: 85 Resp: 89114

Ion Ratio Lower Upper

85 100

87 32.1 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

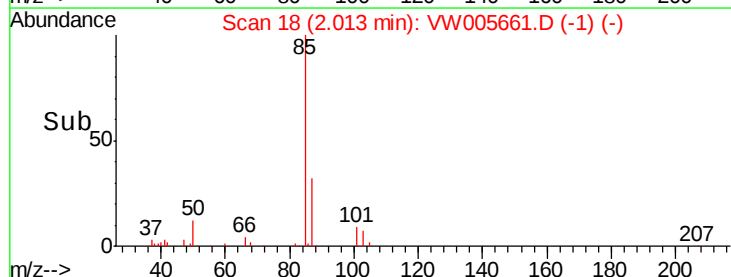
15000

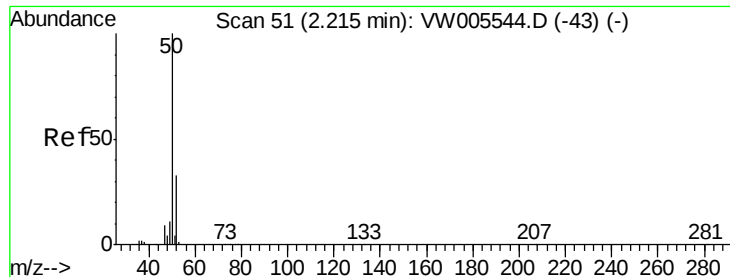
10000

5000

0

Time-->





#3

Chloromethane

Concen: 44.349 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Instrument :

MSVOA_W

ClientSampled :

EP1-Q1-G3

Tot Ion: 50 Resp: 102740

Ion Ratio Lower Upper

50 100

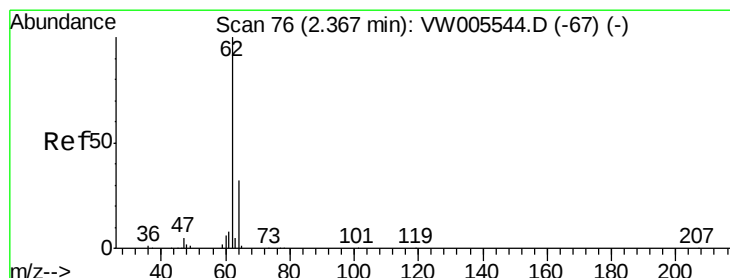
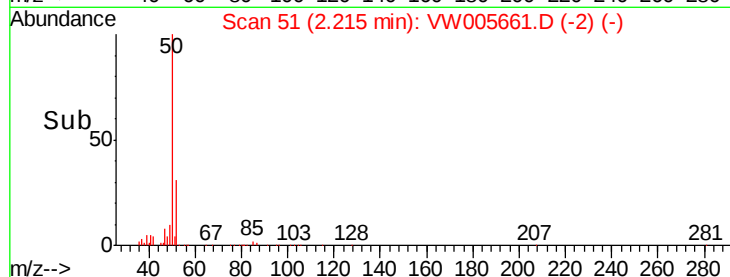
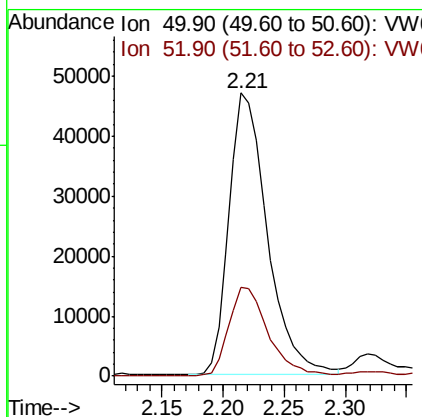
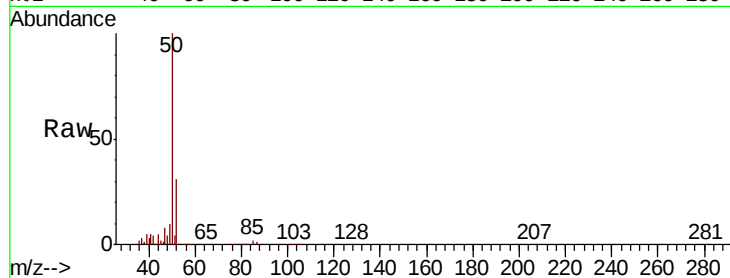
52 31.4 26.2 39.4

Manual Integrations

APPROVED

apatel

9/27/2018 10:33:52 AM



#4

Vinyl Chloride

Concen: 51.593 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW005661.D

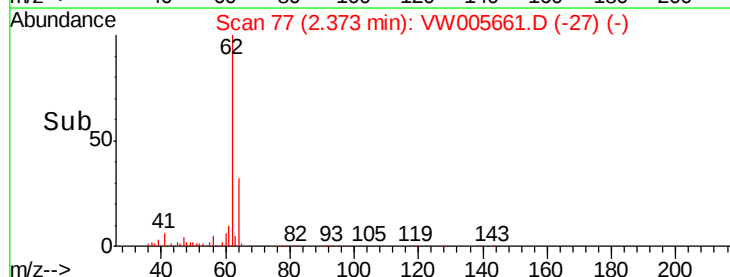
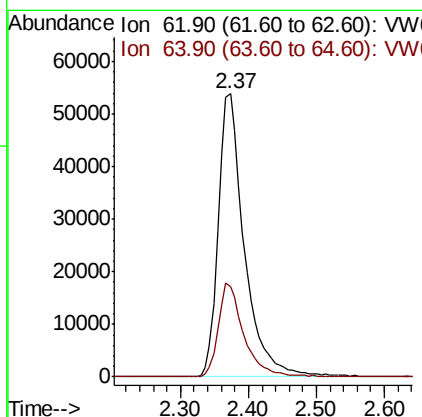
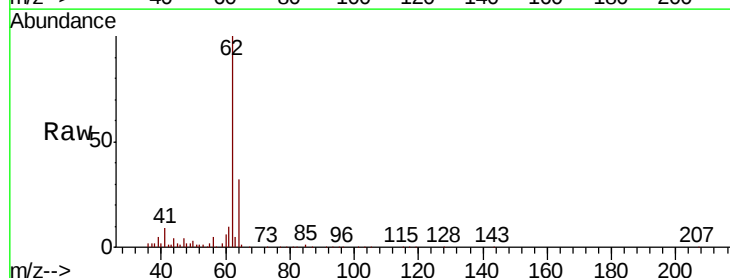
Acq: 26 Sep 2018 18:58

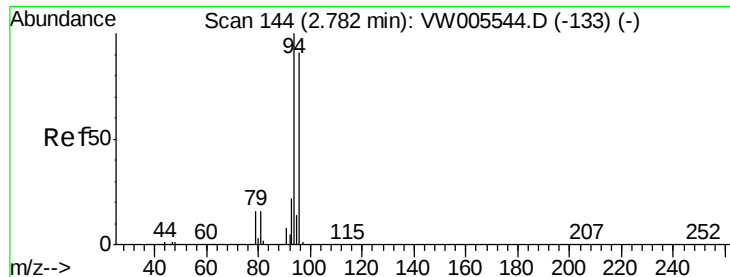
Tgt Ion: 62 Resp: 142865

Ion Ratio Lower Upper

62 100

64 31.7 25.7 38.5





#5

Bromomethane

Concen: 47.299 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-G3

Tot Ion: 94 Resp: 88512

Ion Ratio Lower Upper

94 100

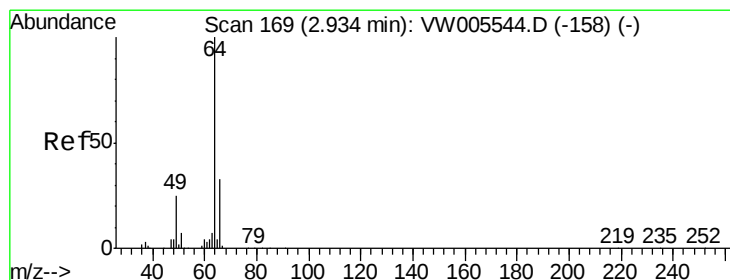
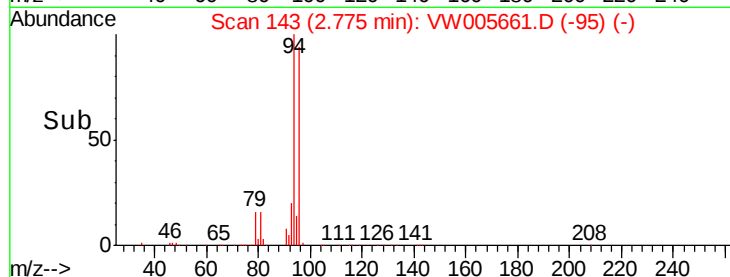
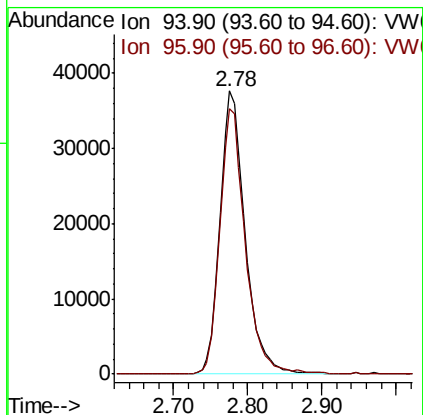
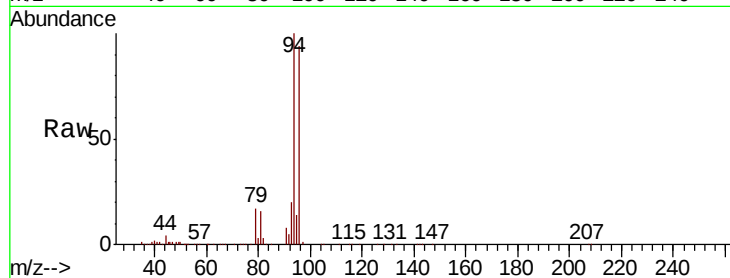
96 93.7 73.1 109.7

Manual Integrations

APPROVED

apatel

9/27/2018 10:33:52 AM



#6

Chloroethane

Concen: 48.189 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW005661.D

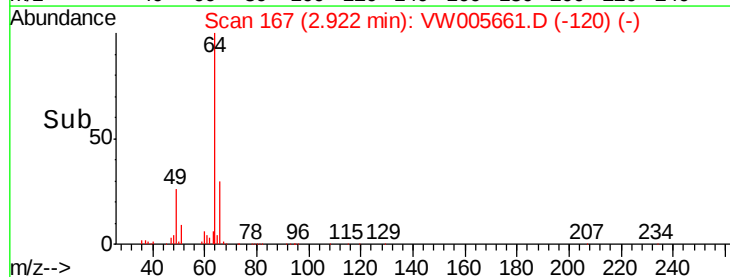
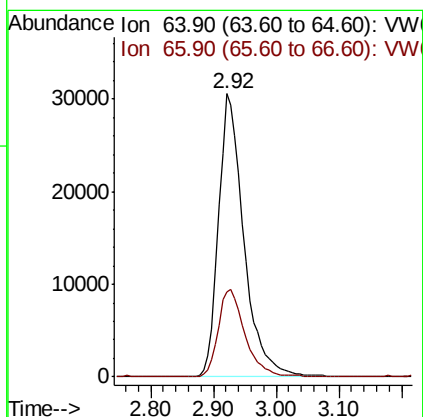
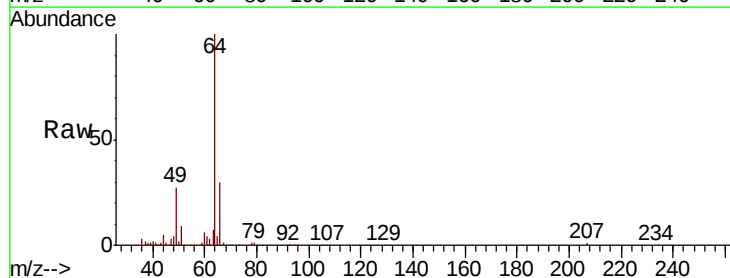
Acq: 26 Sep 2018 18:58

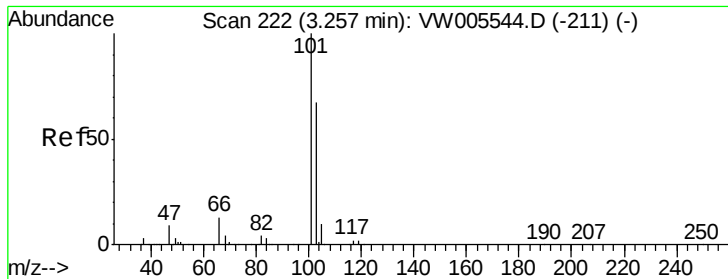
Tgt Ion: 64 Resp: 85624

Ion Ratio Lower Upper

64 100

66 30.1 26.0 39.0





#7

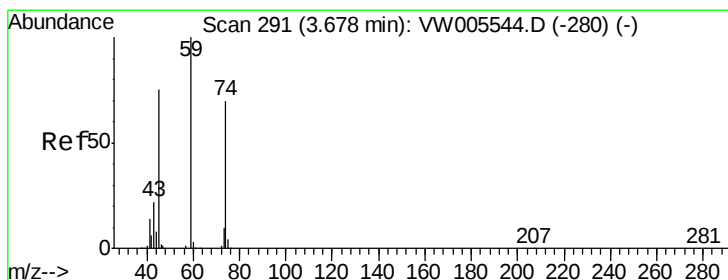
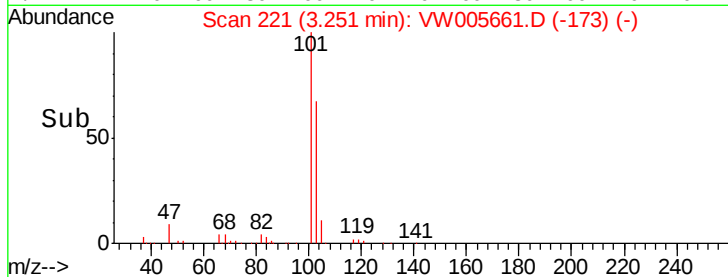
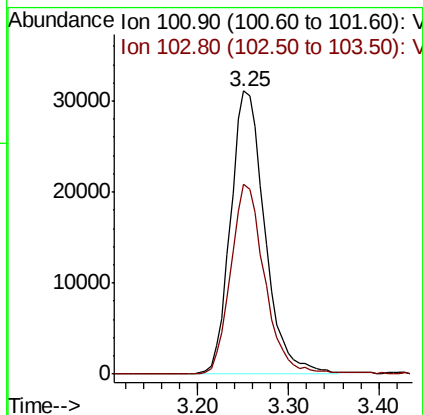
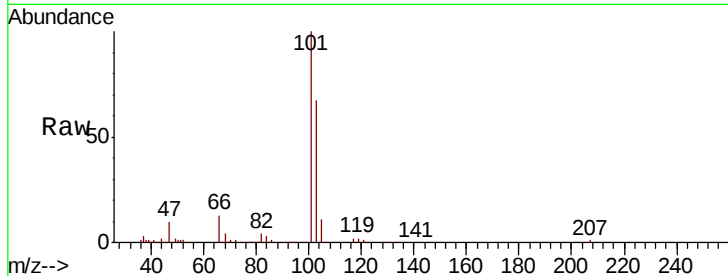
Trichlorofluoromethane
Concen: 37.655 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-G3

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.3	53.2	79.8

Manual Integrations
APPROVED

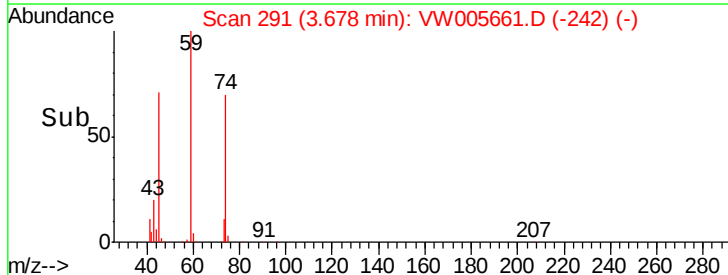
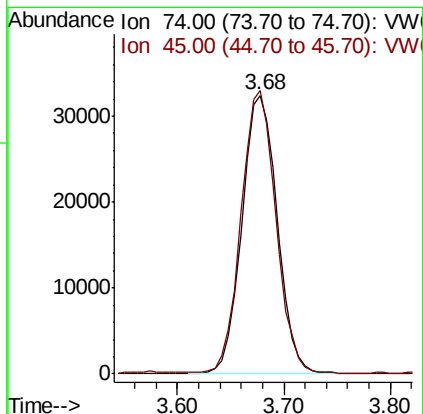
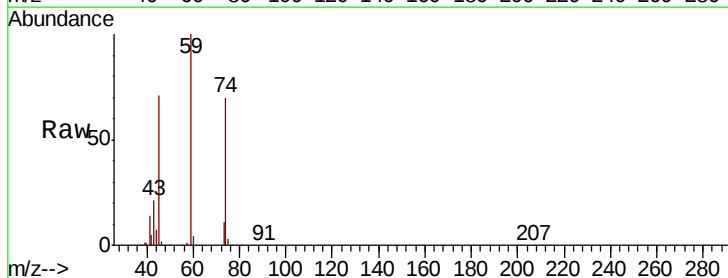
apatel
9/27/2018 10:33:52 AM

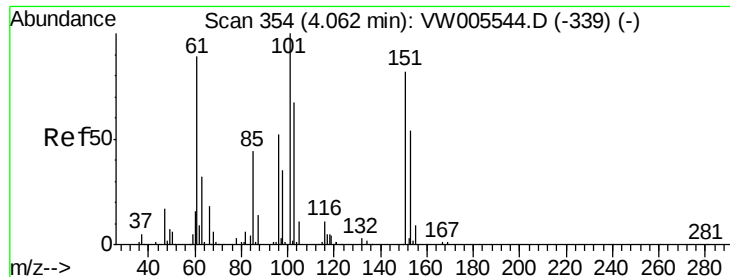


#8

Diethyl Ether
Concen: 53.427 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.9	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 40.085 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Instrument :

MSVOA_W

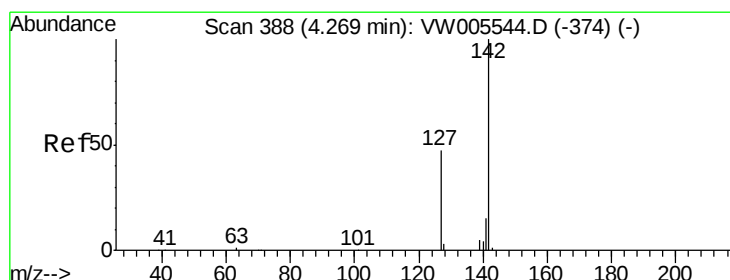
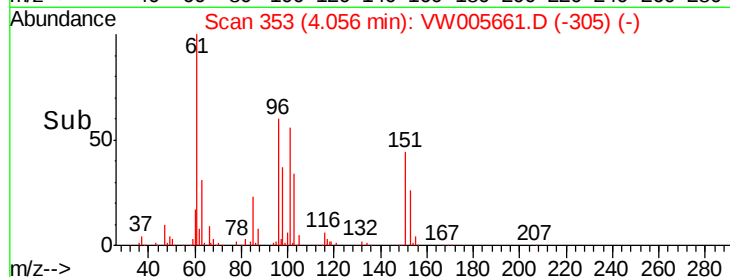
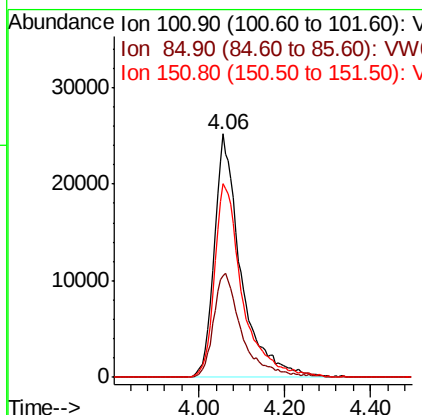
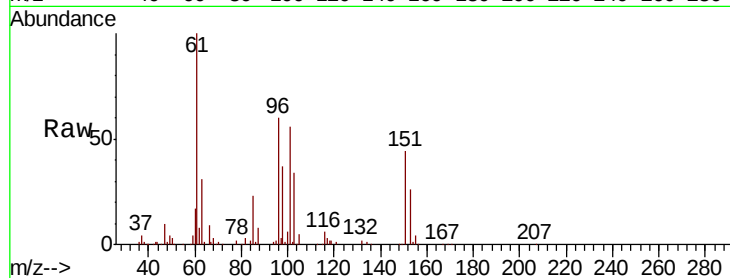
ClientSampleId :

EP1-Q1-G3

Tot Ion:	101	Resp:	109895
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.4	54.6
151	82.2	65.8	98.6

Manual Integrations
APPROVED

apatel
9/27/2018 10:33:52 AM



#10

Methyl Iodide

Concen: 48.051 ug/l

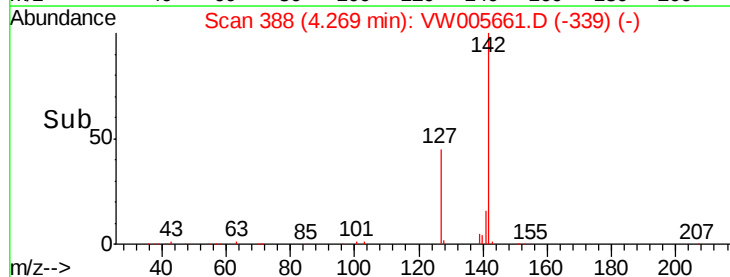
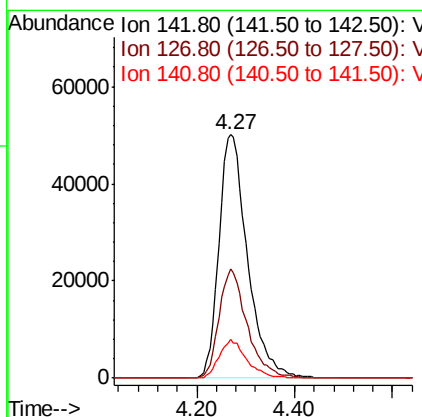
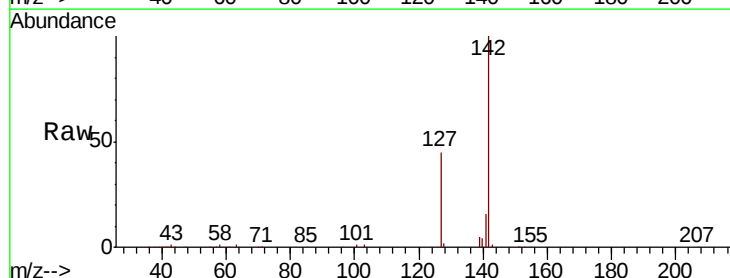
RT: 4.27 min Scan# 388

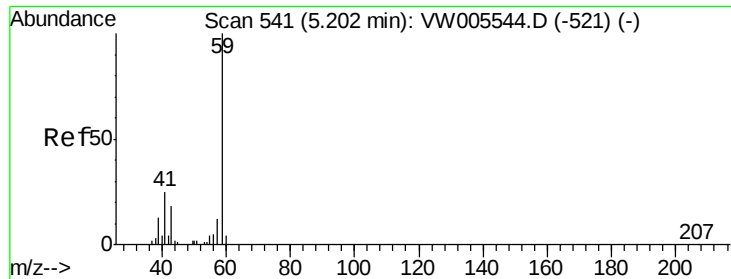
Delta R.T. -0.00 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Tgt Ion:	142	Resp:	202589
Ion Ratio	Lower	Upper	
142	100		
127	44.2	37.4	56.0
141	15.2	11.9	17.9





#11

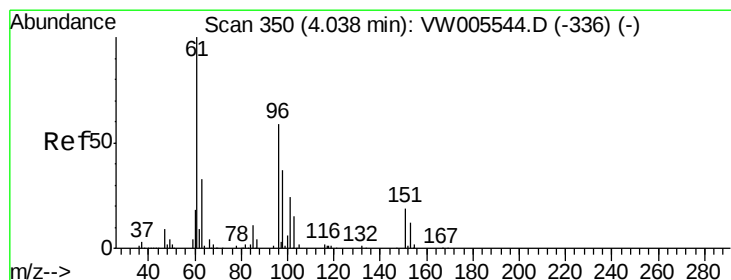
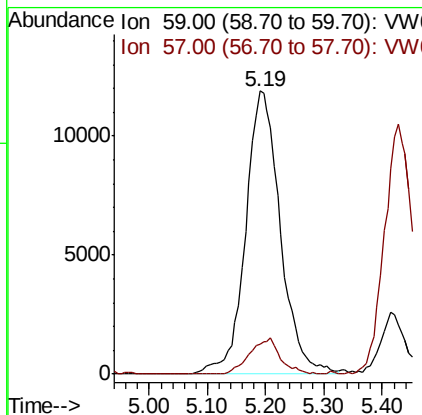
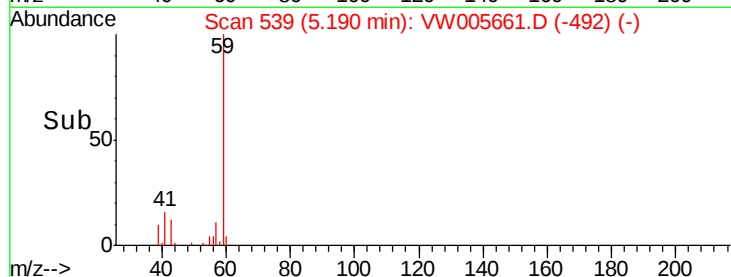
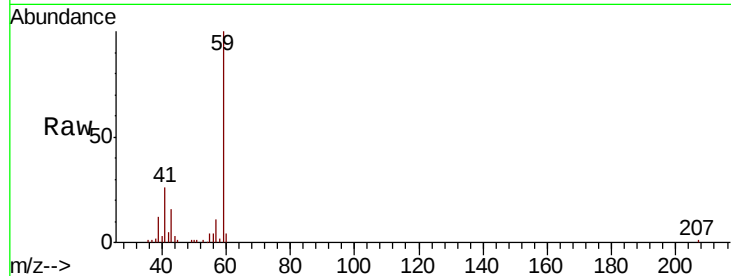
Tert butyl alcohol
Concen: 280.904 ug/l
RT: 5.19 min Scan# 539
Delta R.T. -0.01 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Instrument :
MSVOA_W
ClientSampled :
EP1-Q1-G3

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.3	12.5

Manual Integrations
APPROVED

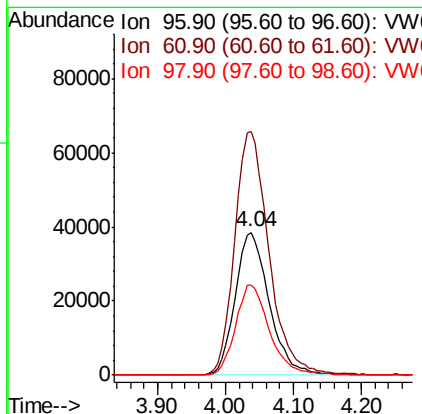
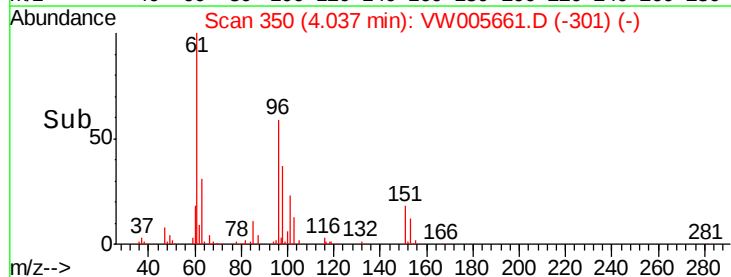
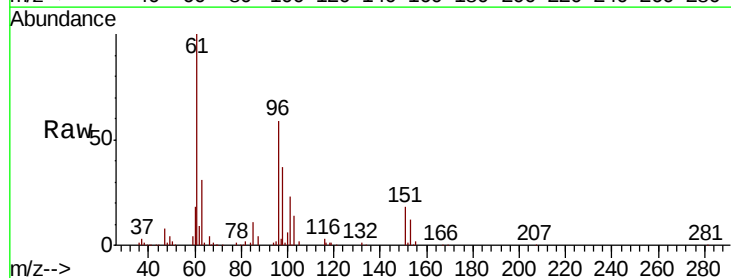
apatel
9/27/2018 10:33:52 AM

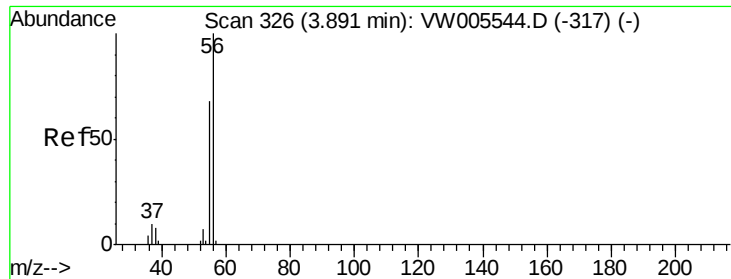


#12

1,1-Dichloroethene
Concen: 50.919 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.7	135.0	202.6
98	63.1	50.6	76.0





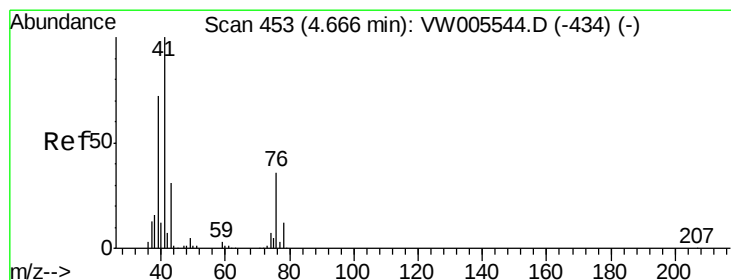
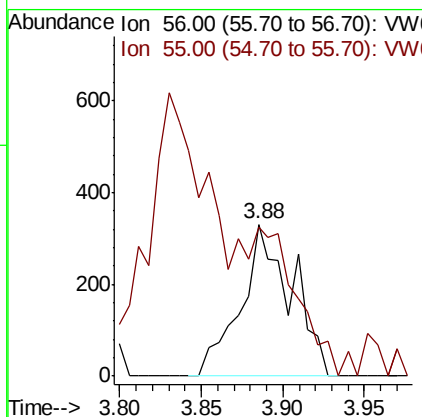
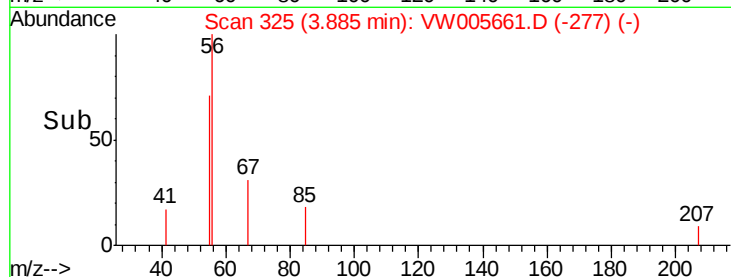
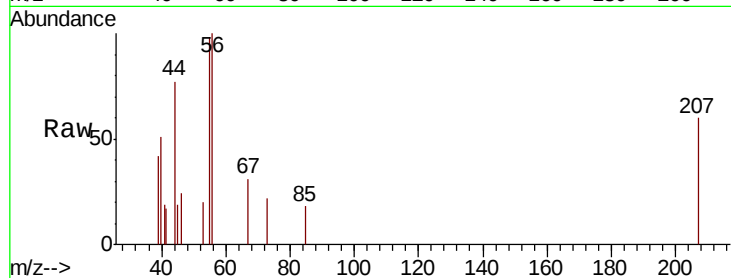
#13
Acrolein
Concen: Below Cal
RT: 3.88 min Scan# 325
Delta R.T. -0.01 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Instrument :
MSVOA_W
ClientSampled :
EP1-Q1-G3

Tot Ion: 56 Resp: 722
Ion Ratio Lower Upper
56 100
55 0.0 57.8 86.8#

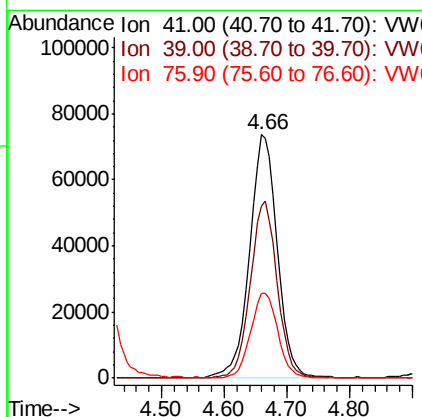
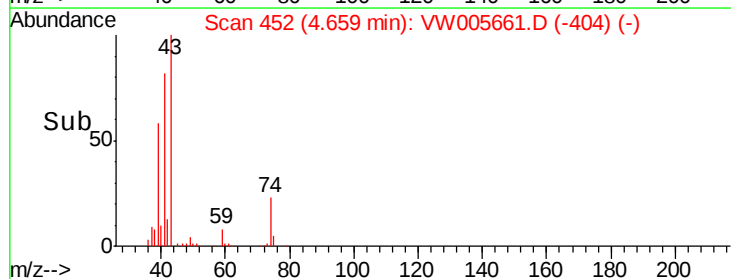
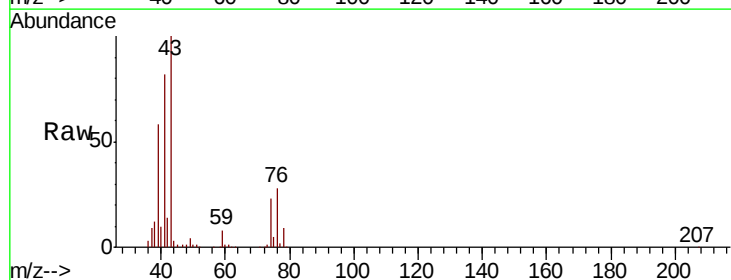
Manual Integrations
APPROVED

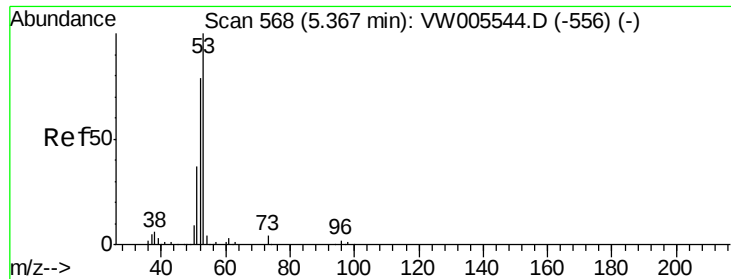
apatel
9/27/2018 10:33:52 AM



#14
Allyl chloride
Concen: 49.280 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Tgt Ion: 41 Resp: 225727
Ion Ratio Lower Upper
41 100
39 70.8 59.6 89.4
76 34.0 27.7 41.5





#15

Acrylonitrile

Concen: 275.146 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Instrument :

MSVOA_W

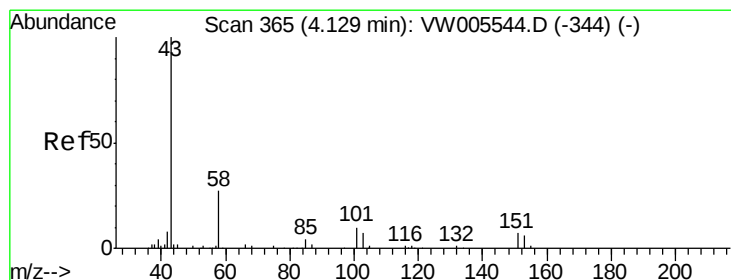
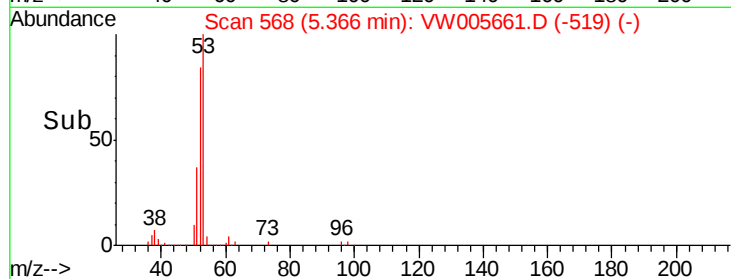
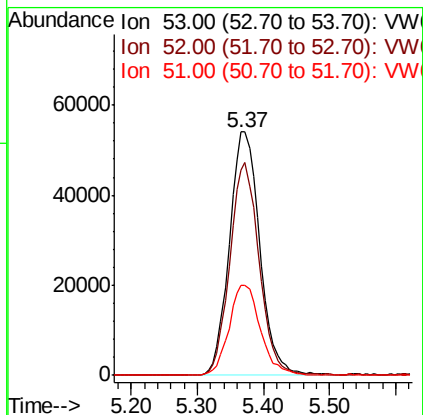
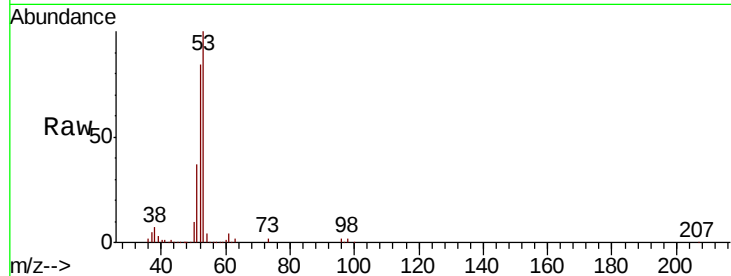
ClientSampleId :

EP1-Q1-G3

Tot Ion:	53	Resp:	172829
Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.5	99.7
51	38.1	30.6	46.0

Manual Integrations
APPROVED

apatel
9/27/2018 10:33:52 AM



#16

Acetone

Concen: 298.927 ug/l

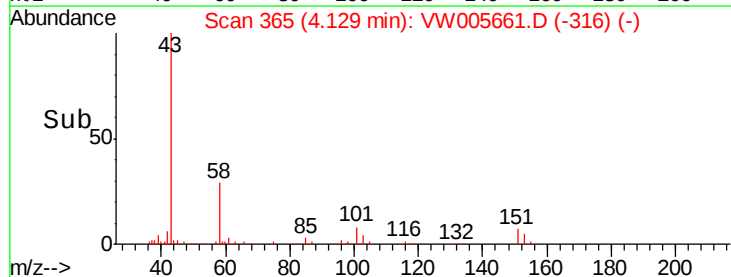
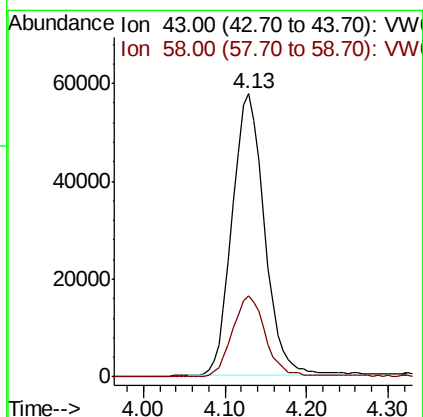
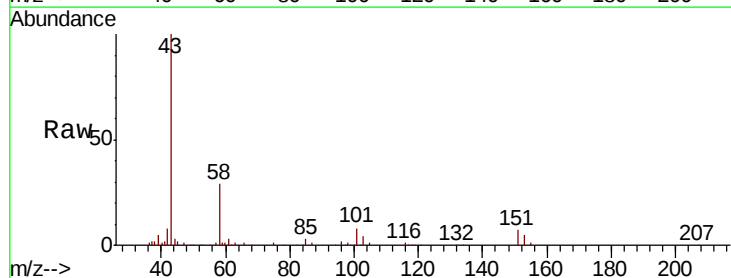
RT: 4.13 min Scan# 365

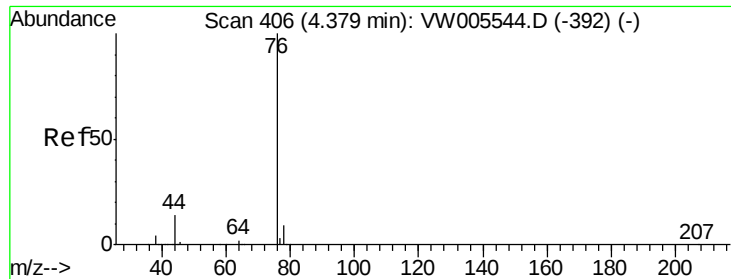
Delta R.T. -0.00 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Tgt Ion:	43	Resp:	158559
Ion	Ratio	Lower	Upper
43	100		
58	28.6	21.8	32.8





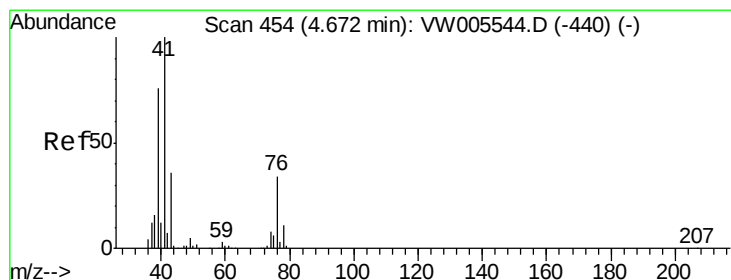
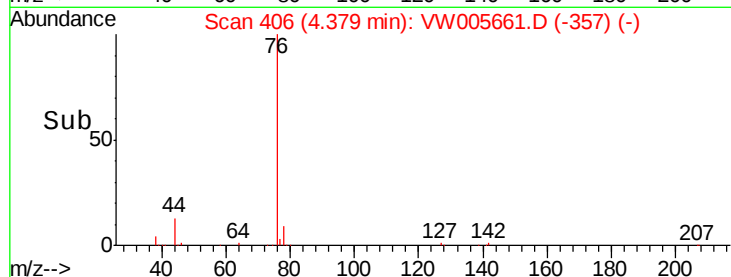
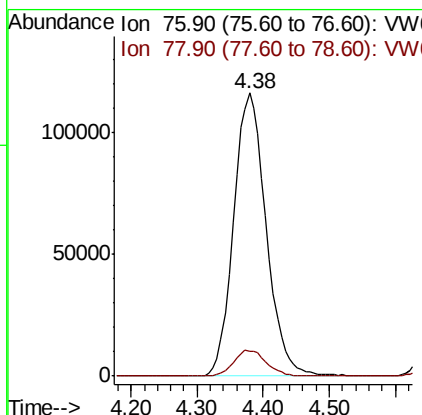
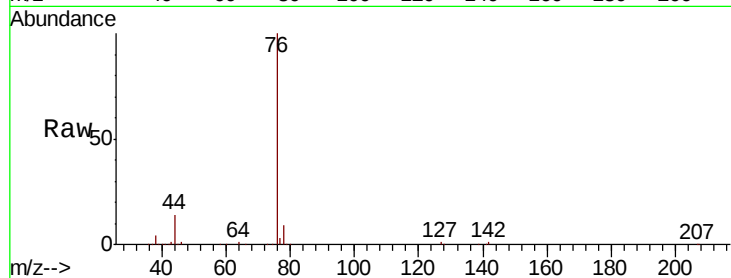
#17
Carbon Disulfide
Concen: 48.368 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-G3

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

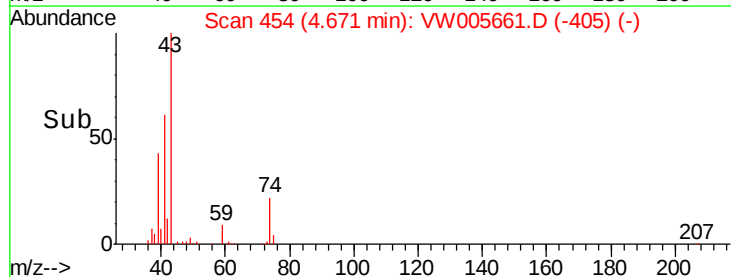
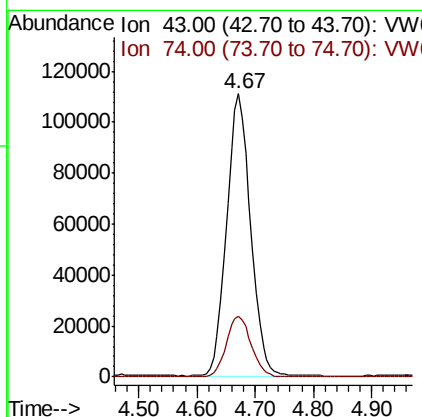
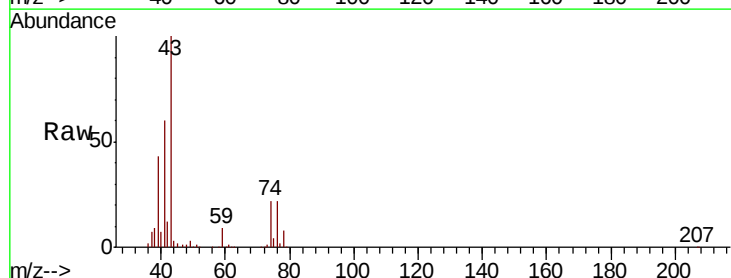
Manual Integrations
APPROVED

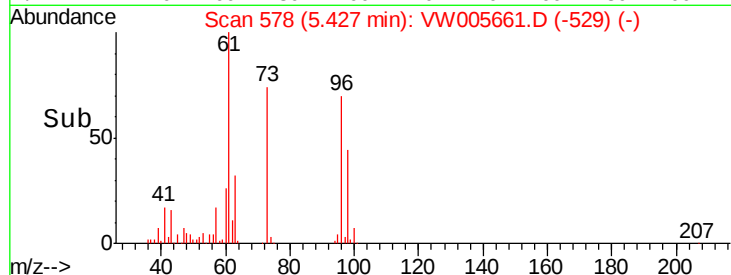
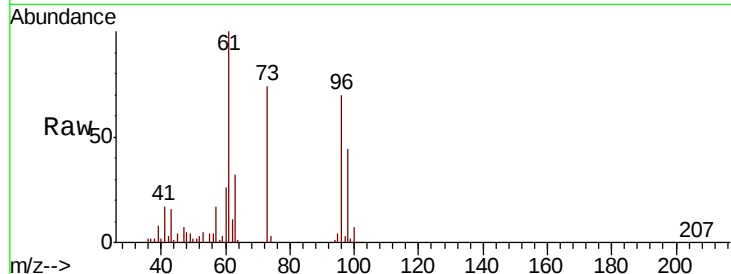
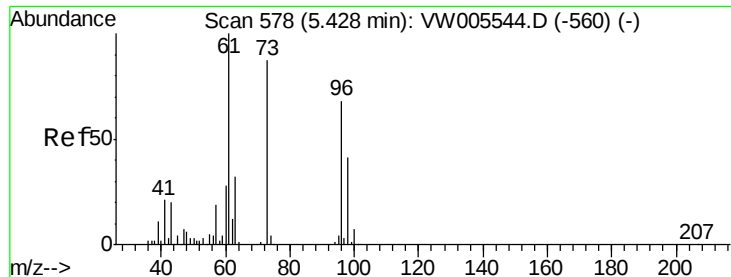
apatel
9/27/2018 10:33:52 AM



#18
Methyl Acetate
Concen: 197.331 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	19.2	28.8





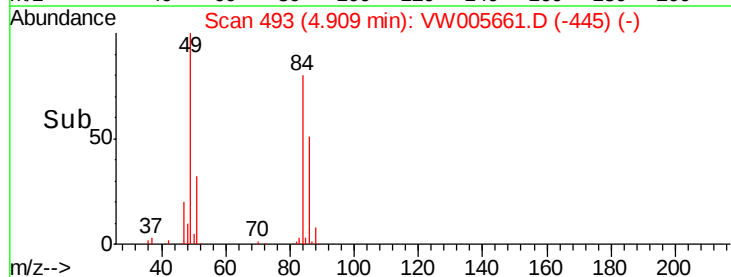
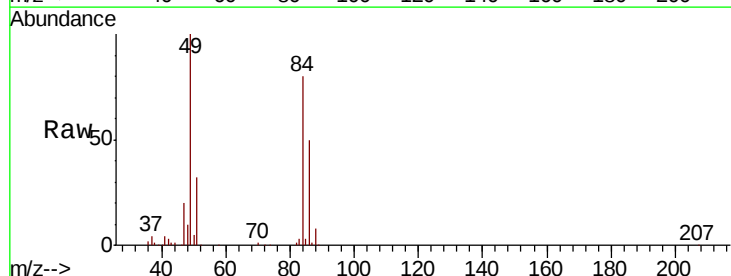
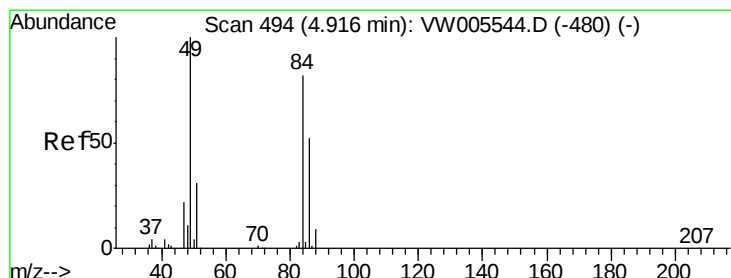
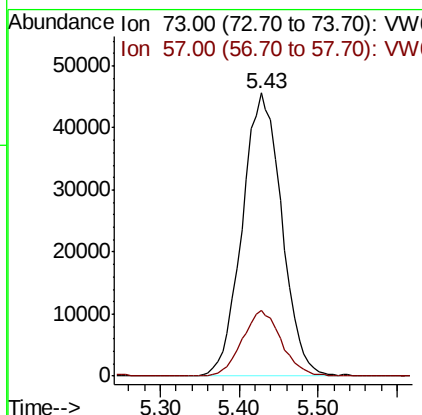
#19
Methyl tert-butyl Ether
Concen: 39.235 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	17.6	26.4

Instrument :
MSVOA_W
ClientSampled :
EP1-Q1-G3

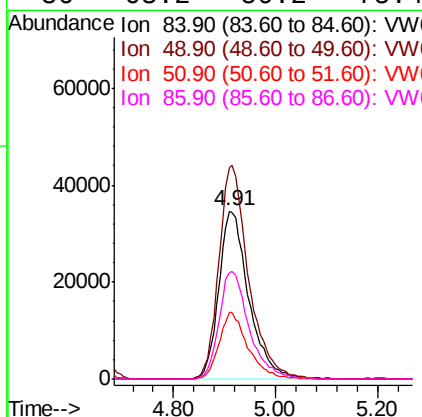
Manual Integrations
APPROVED

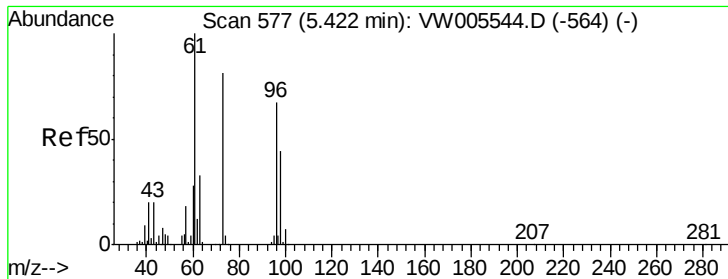
apatel
9/27/2018 10:33:52 AM



#20
Methylene Chloride
Concen: 49.537 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.6	97.0	145.6
51	39.7	30.2	45.2
86	63.2	50.2	75.4





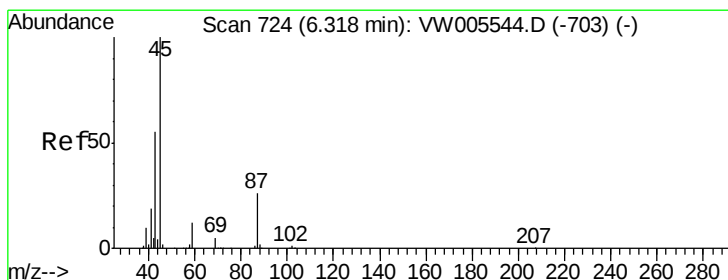
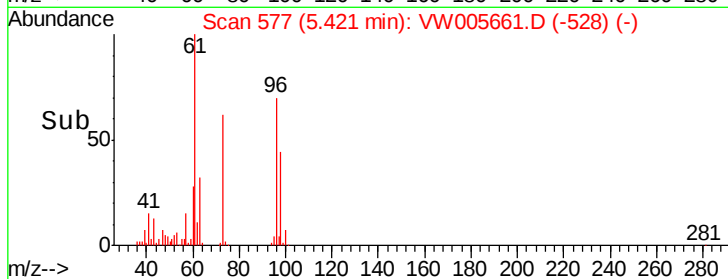
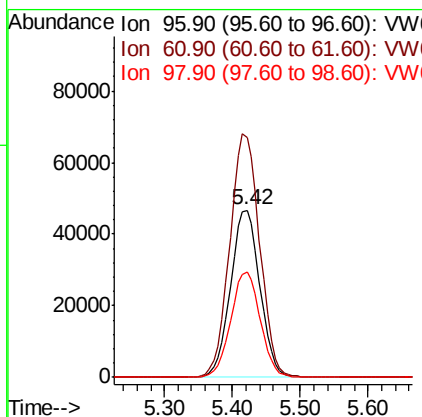
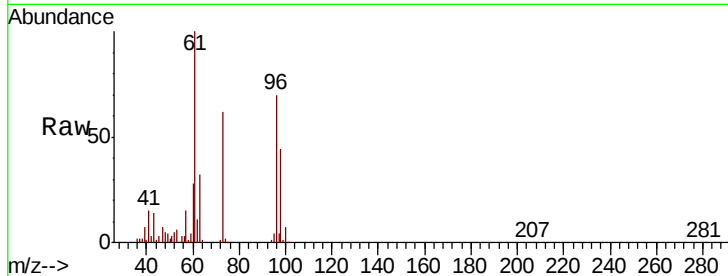
#21
trans-1,2-Dichloroethene
Concen: 48.697 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-G3

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.8	118.9	178.3
98	62.8	52.1	78.1

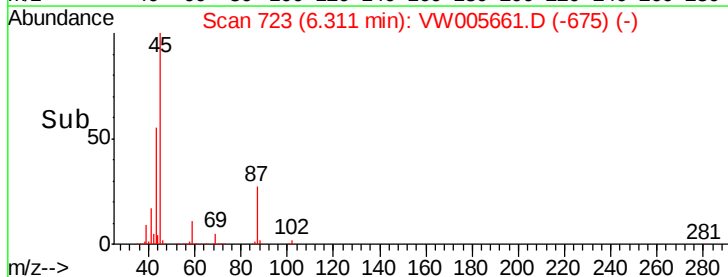
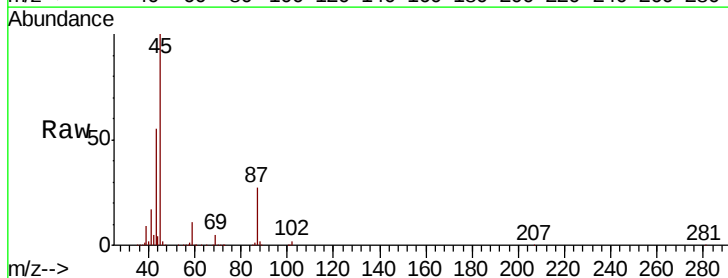
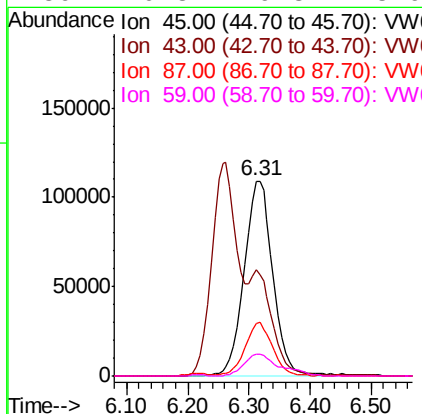
Manual Integrations
APPROVED

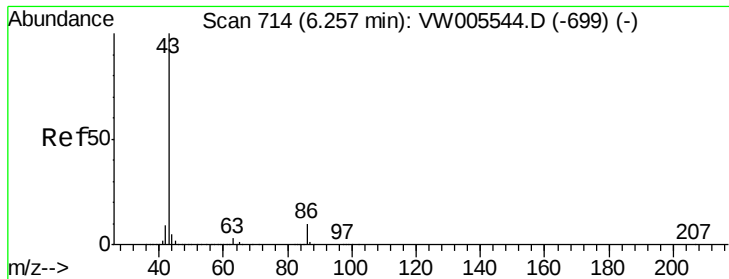
apatel
9/27/2018 10:33:52 AM



#22
Diisopropyl ether
Concen: 40.223 ug/l
RT: 6.31 min Scan# 723
Delta R.T. -0.01 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.8	44.2	66.4
87	26.9	21.4	32.2
59	10.8	9.3	13.9





#23

Vinyl Acetate

Concen: 100.561 ug/l m

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Instrument :

MSVOA_W

ClientSampled :

EP1-Q1-G3

Tot Ion: 43 Resp: 511086

Ion Ratio Lower Upper

43 100

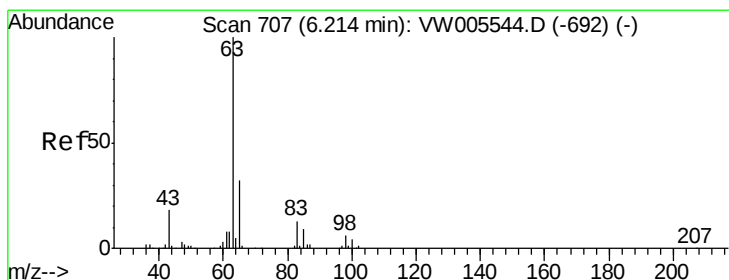
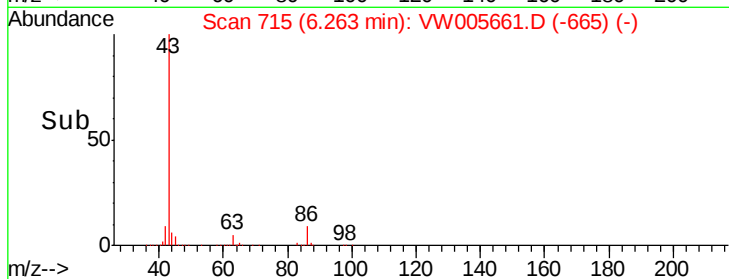
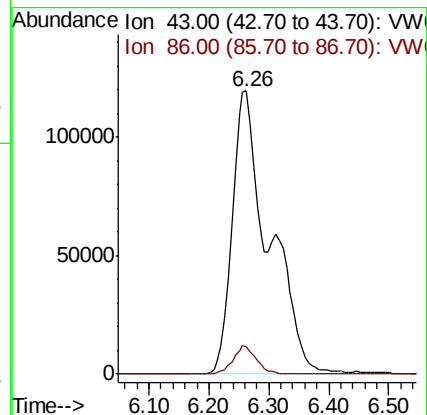
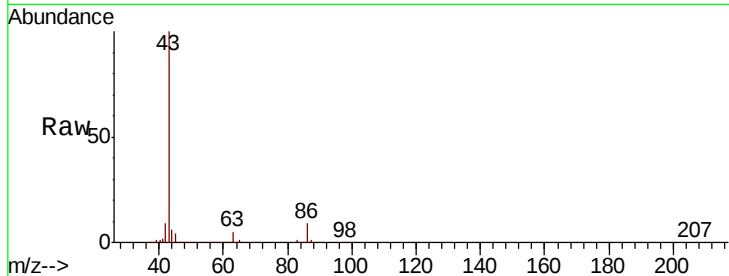
86 9.5 7.7 11.5

Manual Integrations

APPROVED

apatel

9/27/2018 10:33:52 AM



#24

1,1-Dichloroethane

Concen: 47.272 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

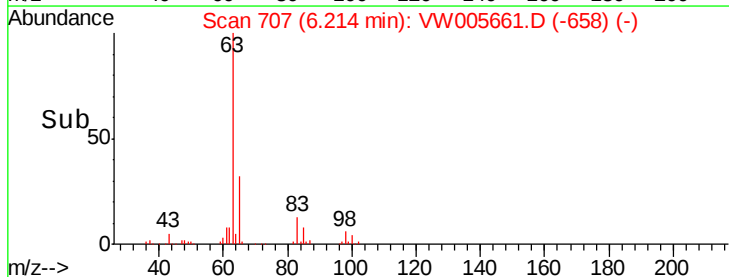
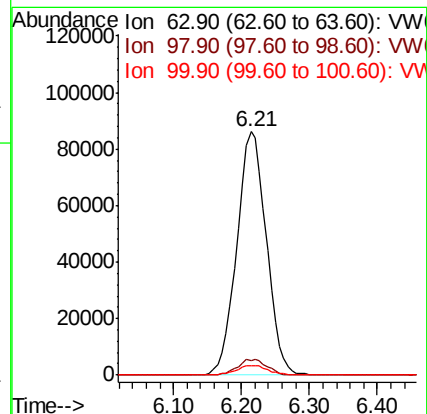
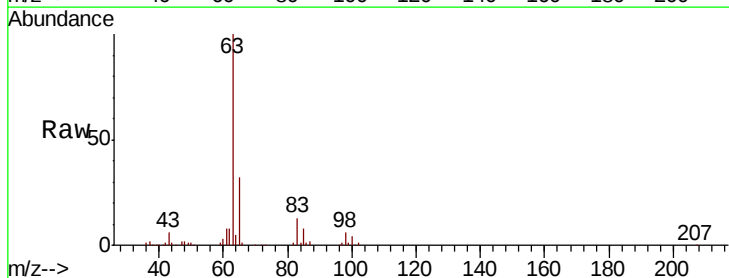
Tgt Ion: 63 Resp: 259701

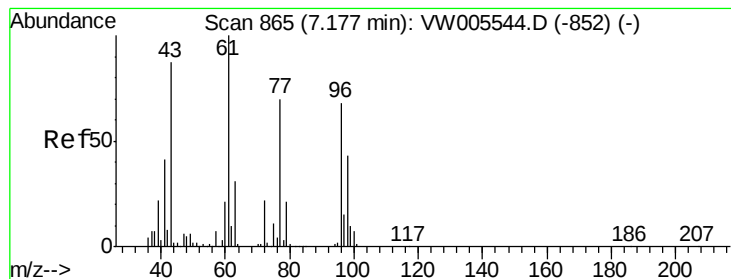
Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.8

100 3.8 2.1 6.2





#25

2-Butanone

Concen: 284.279 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Instrument :

MSVOA_W

ClientSampled :

EP1-Q1-G3

Tot Ion: 43 Resp: 234408

Ion Ratio Lower Upper

43 100

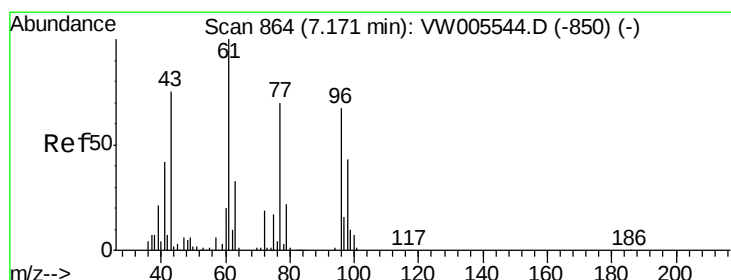
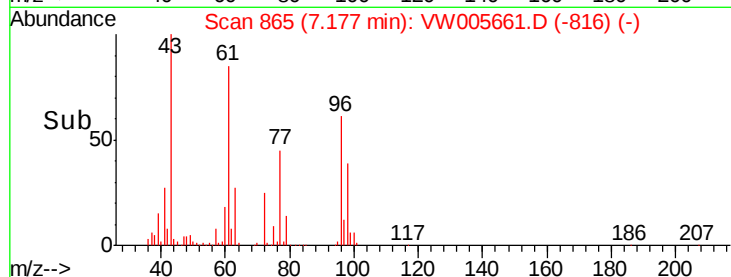
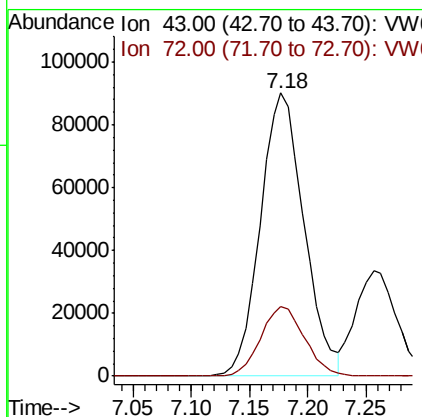
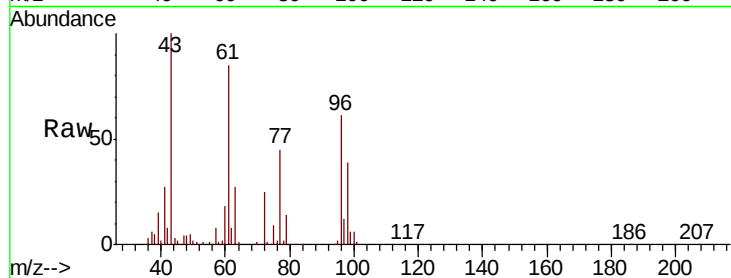
72 24.6 19.9 29.9

Manual Integrations

APPROVED

apatel

9/27/2018 10:33:52 AM



#26

2,2-Dichloropropane

Concen: 34.437 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW005661.D

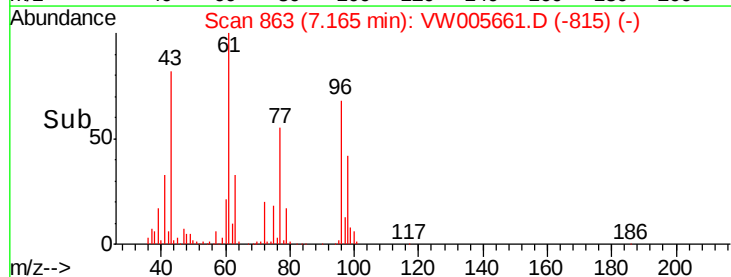
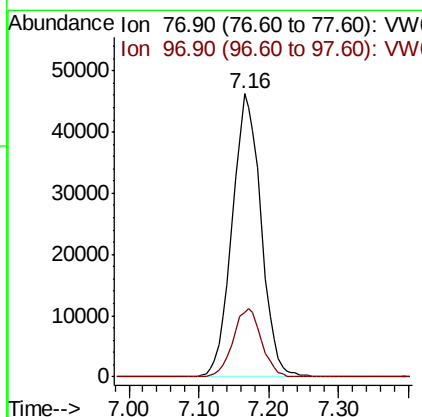
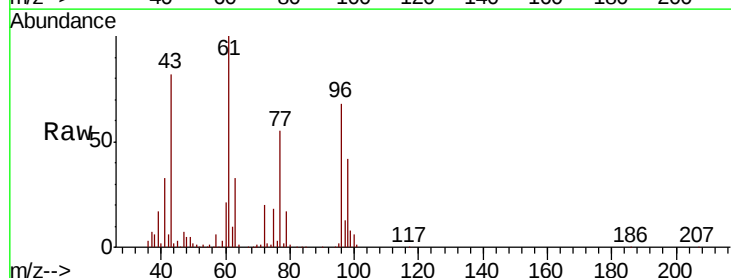
Acq: 26 Sep 2018 18:58

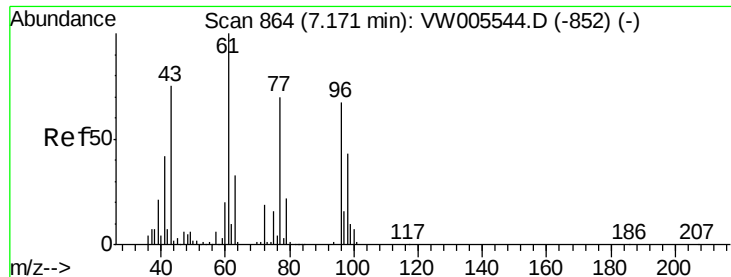
Tgt Ion: 77 Resp: 132078

Ion Ratio Lower Upper

77 100

97 23.8 11.0 33.0





#27

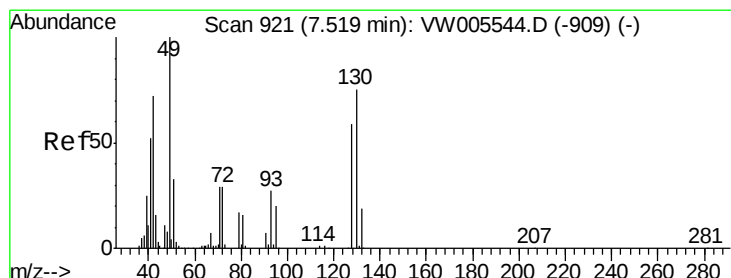
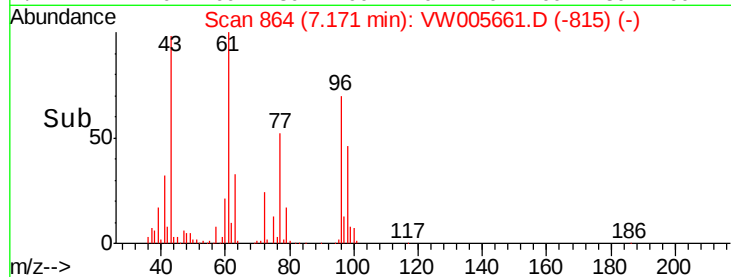
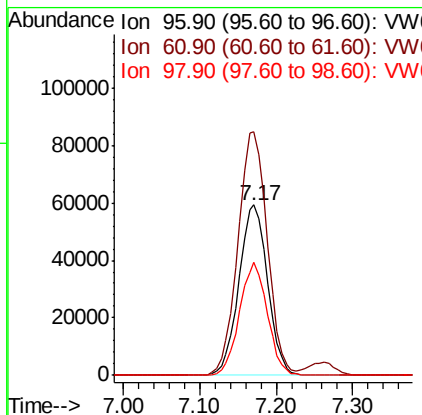
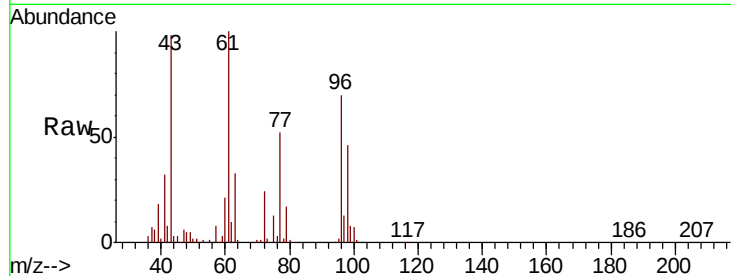
cis-1,2-Dichloroethene
 Concen: 48.736 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW005661.D
 Acq: 26 Sep 2018 18:58

Instrument :
 MSVOA_W
 ClientSampled :
 EP1-Q1-G3

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	145.9	0.0	303.4	
98	64.1	0.0	127.2	

Manual Integrations
 APPROVED

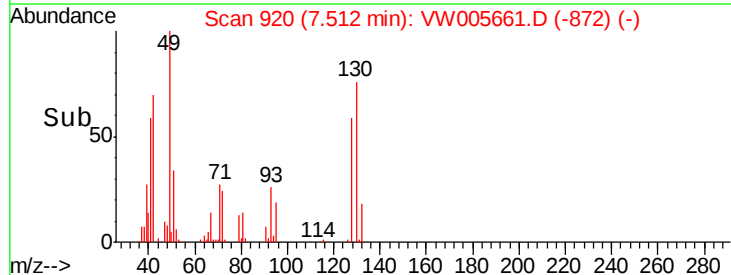
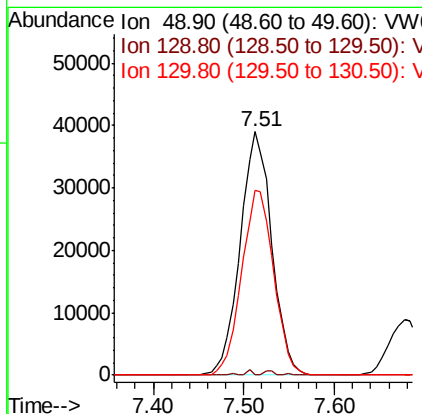
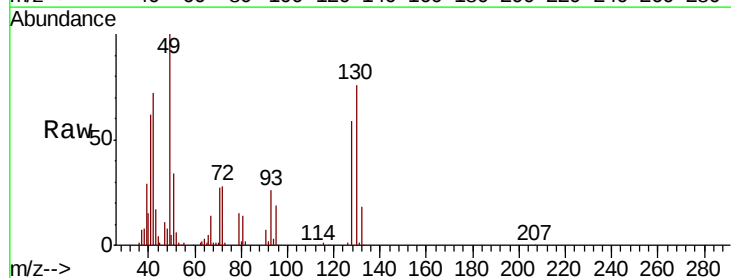
apatel
 9/27/2018 10:33:52 AM

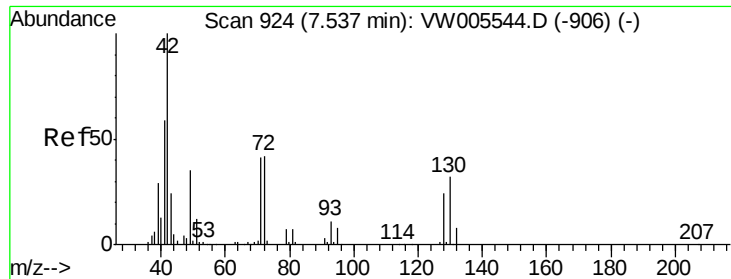


#28

Bromochloromethane
 Concen: 43.238 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW005661.D
 Acq: 26 Sep 2018 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.5	0.0	1.4	
130	77.1	61.3	91.9	





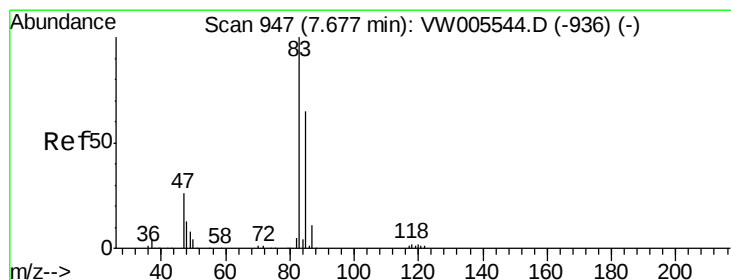
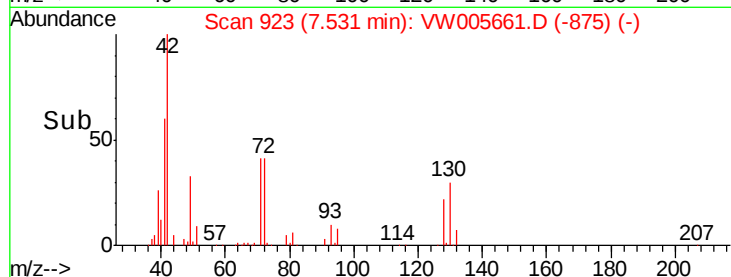
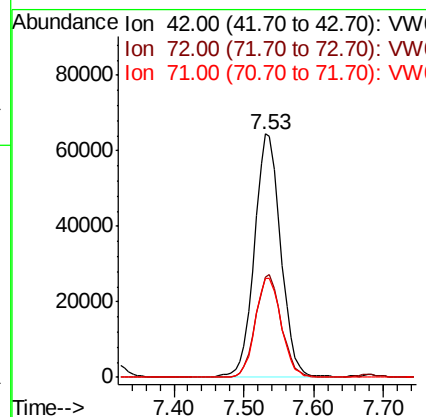
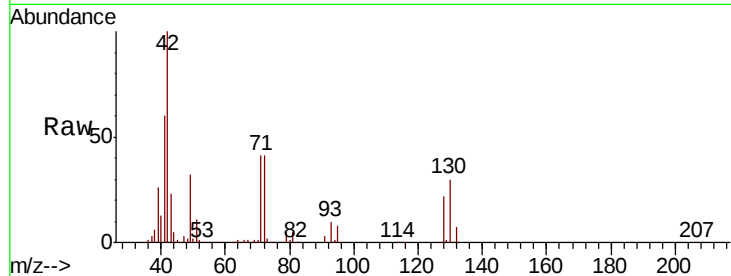
#29
Tetrahydrofuran
Concen: 327.905 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.01 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-G3

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	33.6	50.4
71	40.0	31.8	47.6

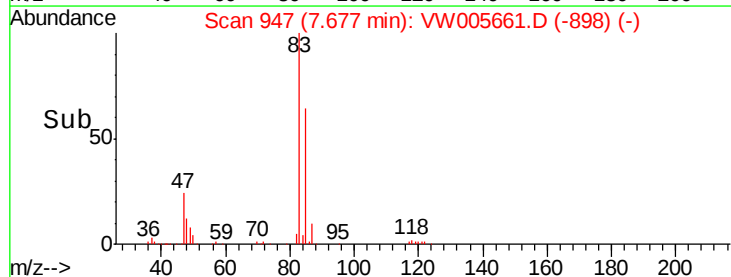
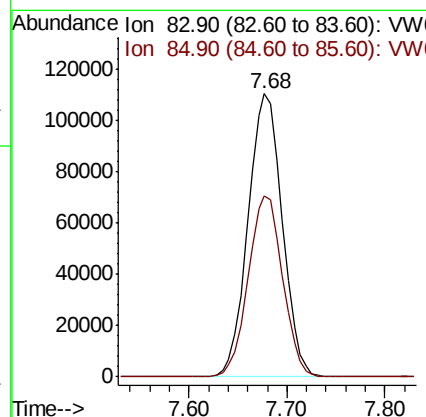
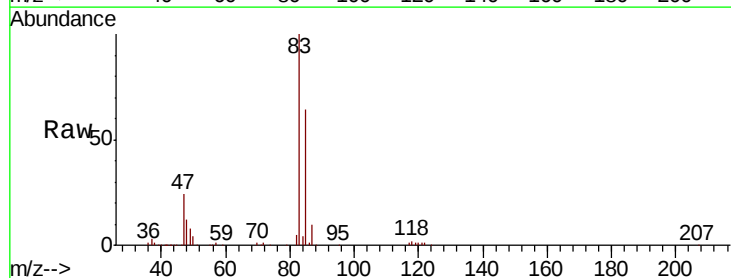
Manual Integrations
APPROVED

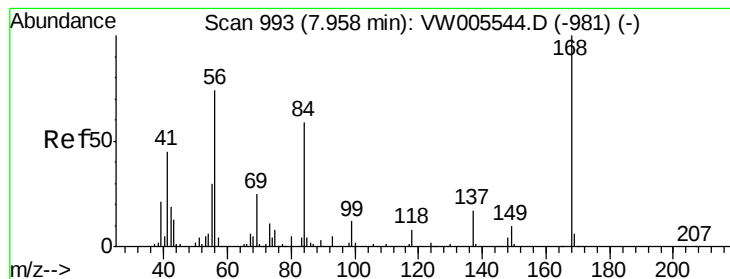
apatel
9/27/2018 10:33:52 AM



#30
Chloroform
Concen: 47.112 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.8	77.6





#31

Cyclohexane

Concen: 32.588 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Instrument :

MSVOA_W

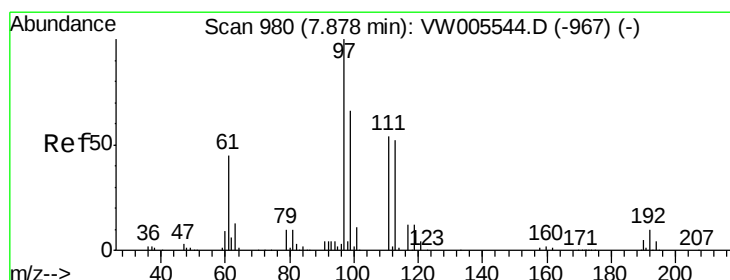
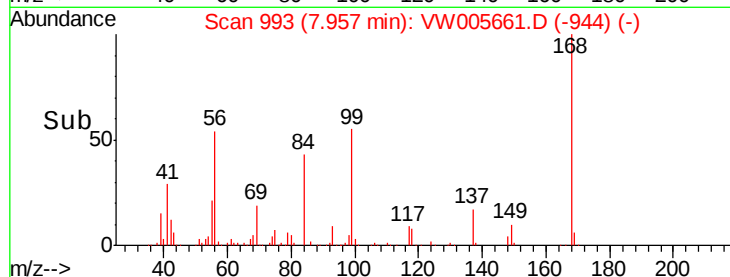
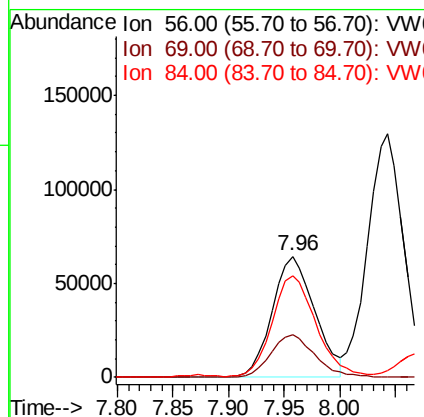
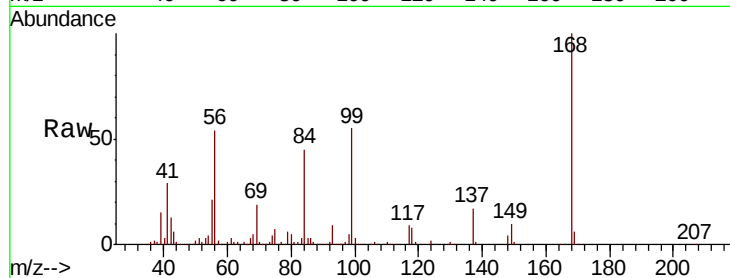
ClientSampleID :

EP1-Q1-G3

Tot Ion:	56	Resp:	171523
Ion Ratio	Lower	Upper	
56	100		
69	35.3	27.0	40.4
84	82.5	64.2	96.4

Manual Integrations
APPROVED

apatel
9/27/2018 10:33:52 AM



#32

1,1,1-Trichloroethane

Concen: 39.032 ug/l

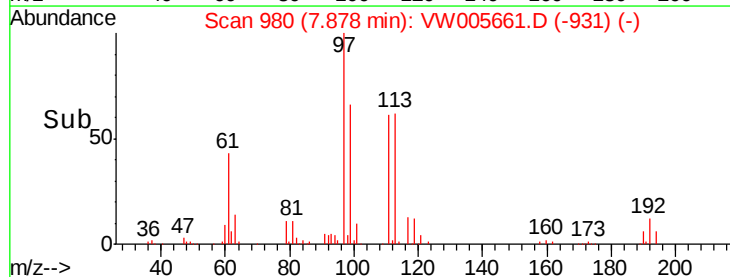
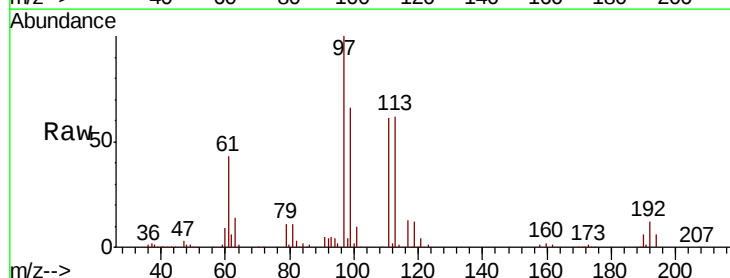
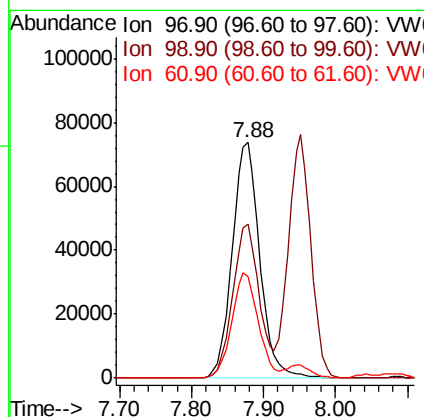
RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Tgt Ion:	97	Resp:	195567
Ion Ratio	Lower	Upper	
97	100		
99	63.3	51.0	76.6
61	42.8	36.2	54.2





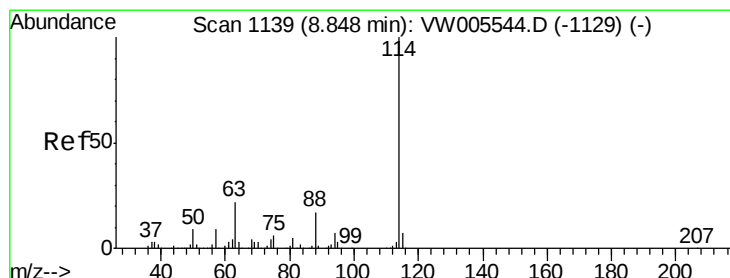
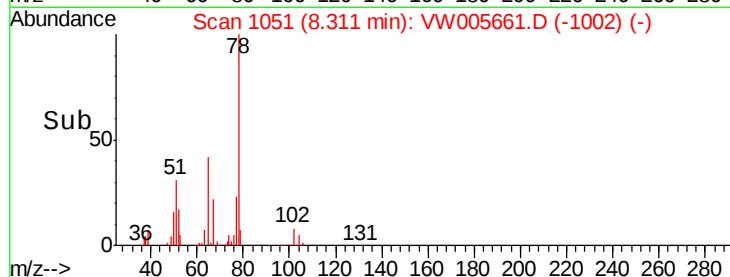
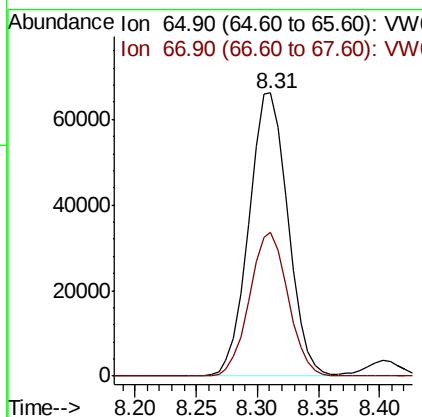
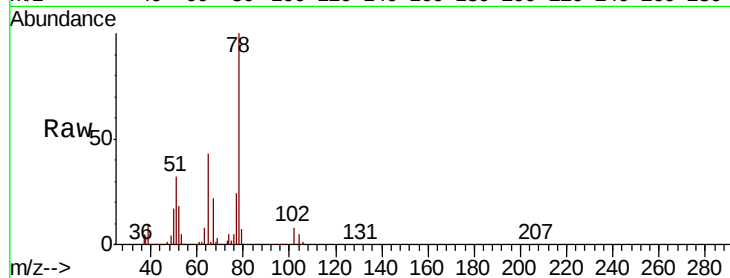
#33
 1,2-Dichloroethane-d4
 Concen: 43.321 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005661.D
 Acq: 26 Sep 2018 18:58

Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-G3

Tot Ion	Ratio	Resp	Lower	Upper
65	100	147074		
67	50.3	0.0	100.6	

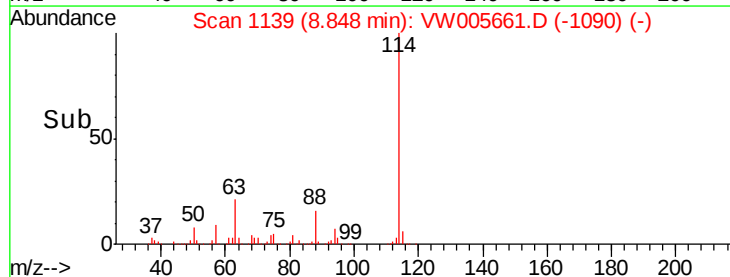
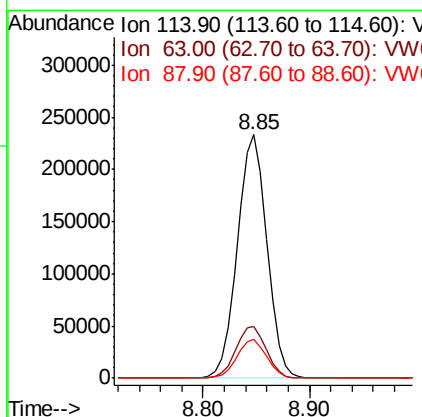
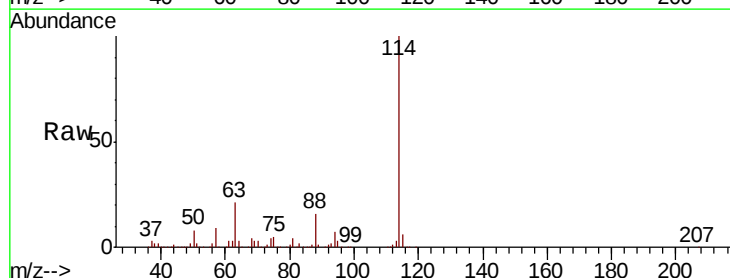
Manual Integrations
 APPROVED

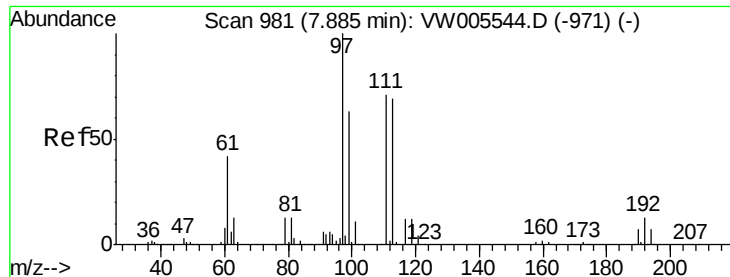
apatel
 9/27/2018 10:33:52 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005661.D
 Acq: 26 Sep 2018 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	455249		
63	21.2	0.0	43.0	
88	15.8	0.0	33.0	





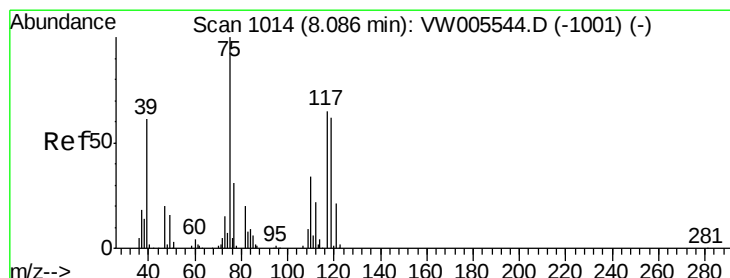
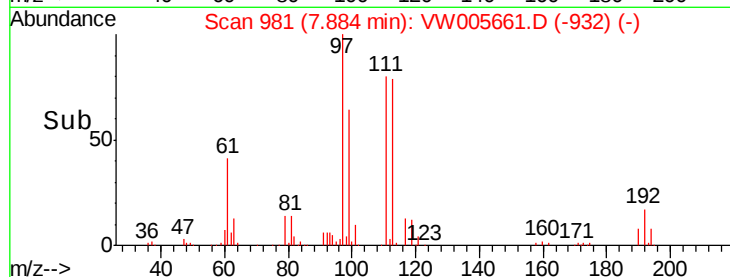
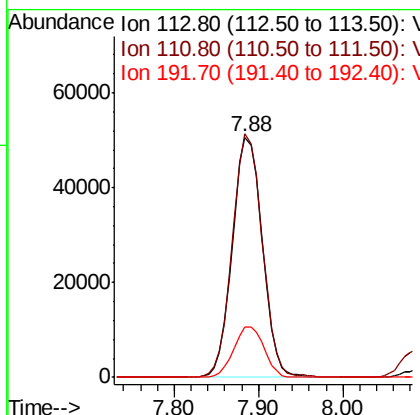
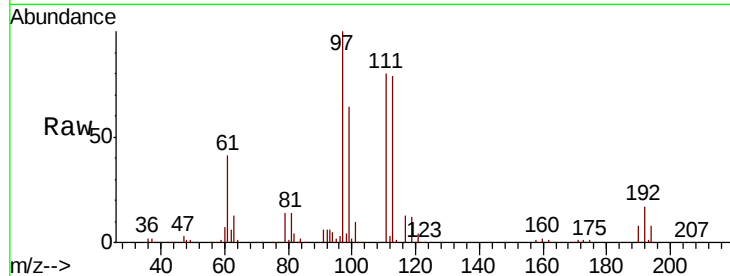
#35
 Dibromofluoromethane
 Concen: 42.333 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW005661.D
 Acq: 26 Sep 2018 18:58

Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-G3

Tot Ion	Ratio	Resp	Lower	Upper
113	100	121195		
111	101.2	82.6	123.8	
192	21.3	17.0	25.4	

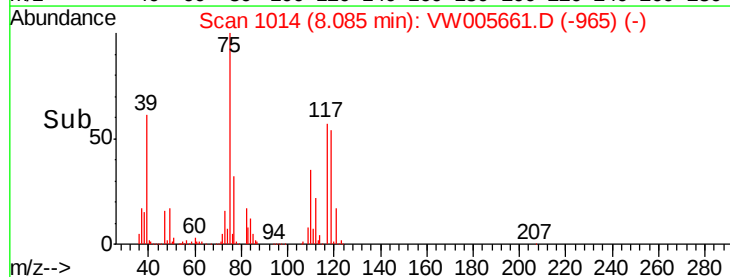
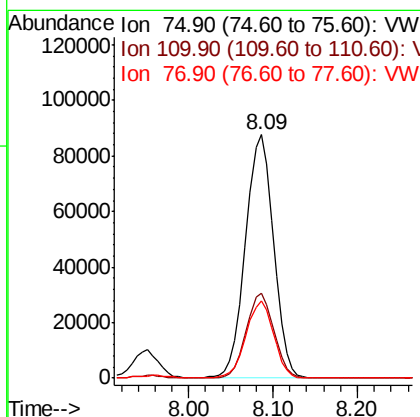
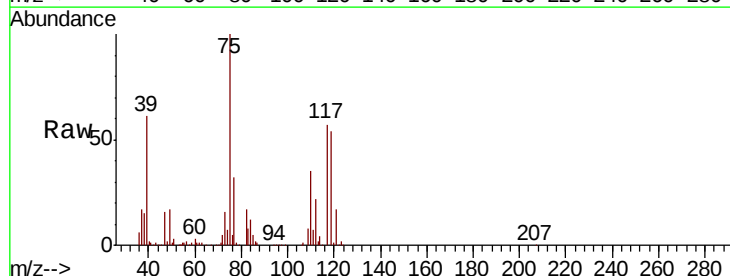
Manual Integrations
 APPROVED

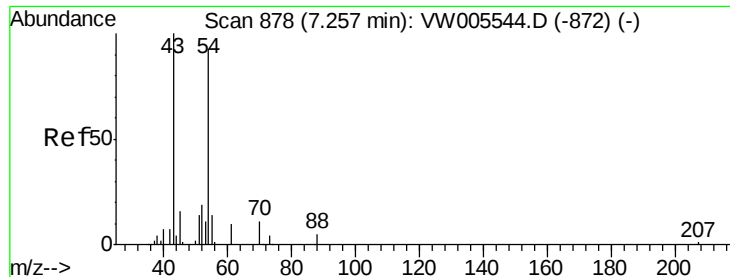
apatel
 9/27/2018 10:33:52 AM



#36
 1,1-Dichloropropene
 Concen: 43.125 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW005661.D
 Acq: 26 Sep 2018 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	197633		
110	34.2	17.0	50.9	
77	31.3	24.8	37.2	





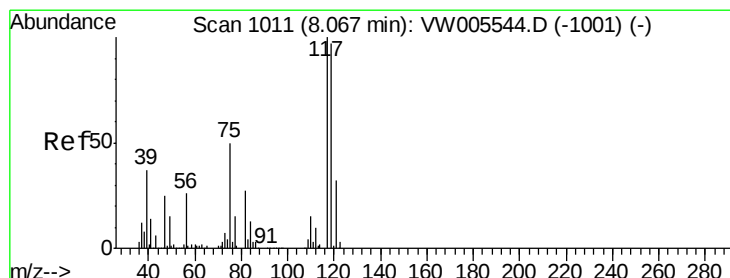
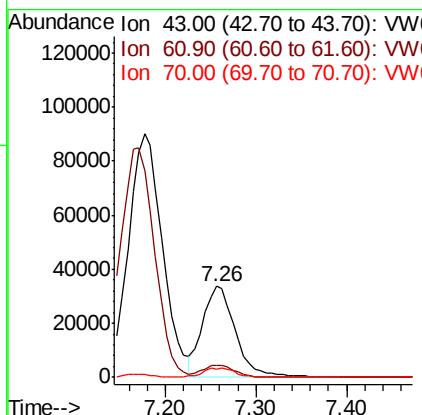
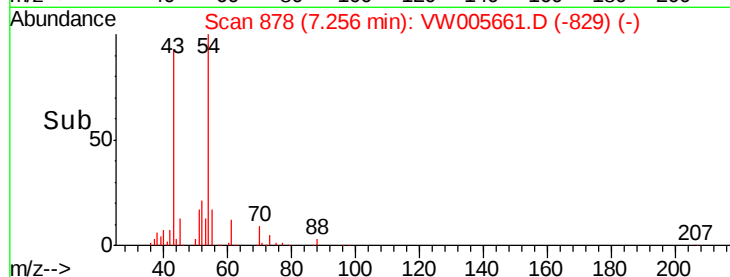
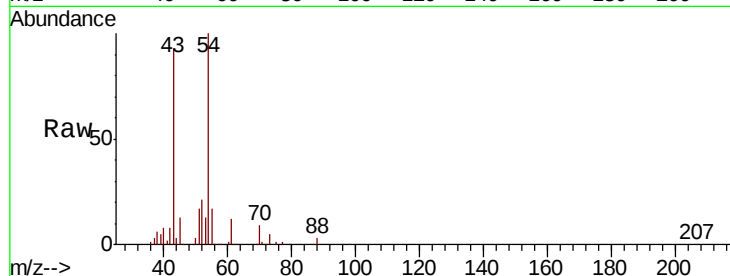
#37
Ethyl Acetate
Concen: 44.000 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-G3

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.2	10.4	15.6	
70	10.2	8.2	12.2	

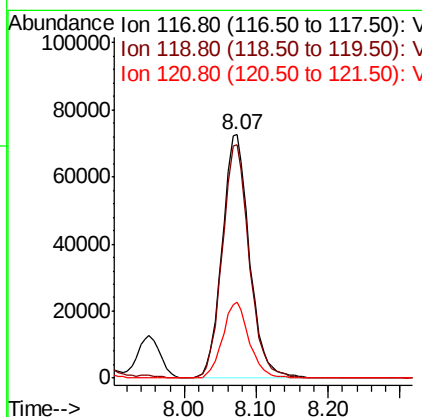
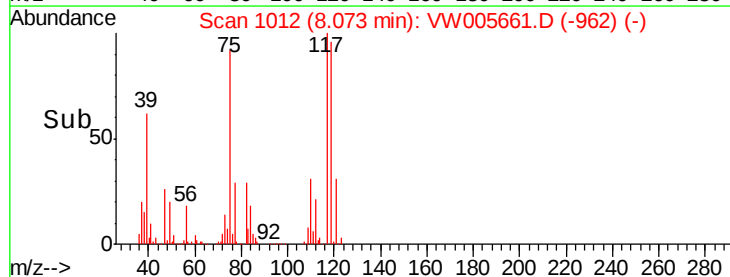
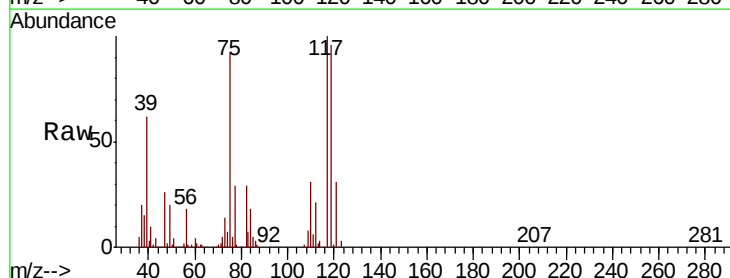
Manual Integrations
APPROVED

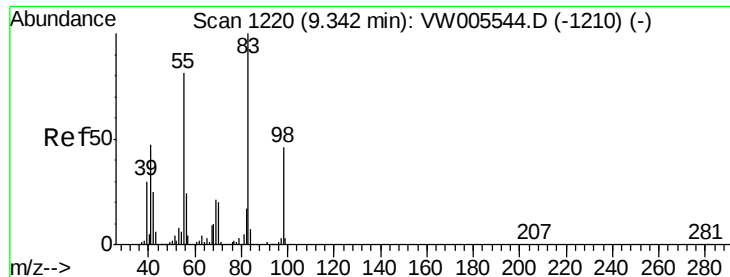
apatel
9/27/2018 10:33:52 AM



#38
Carbon Tetrachloride
Concen: 38.912 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.7	77.6	116.4	
121	31.1	25.7	38.5	





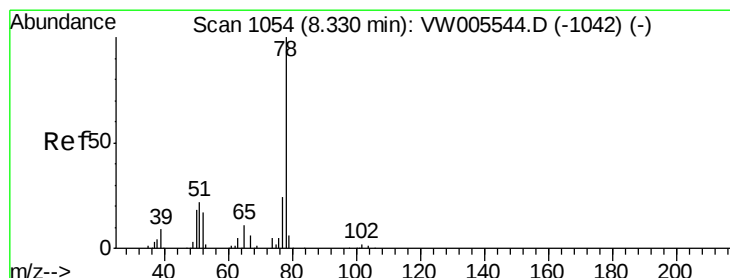
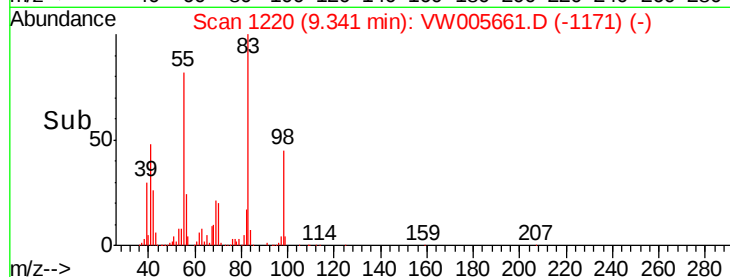
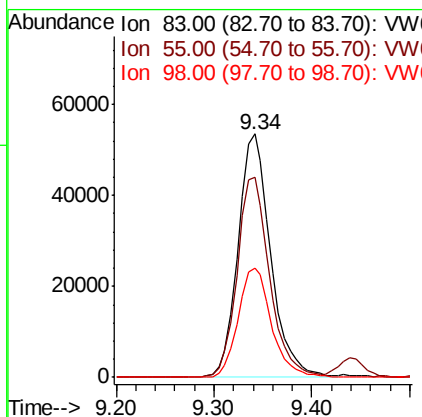
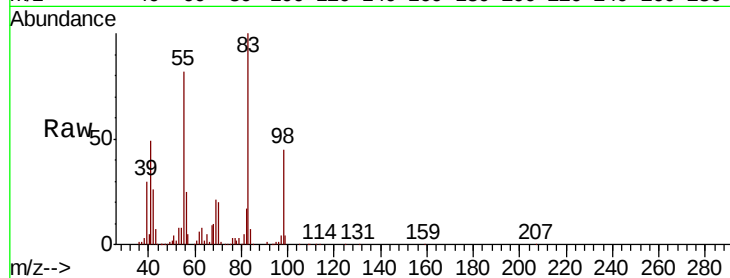
#39
Methvlcvclohexane
Concen: 22.887 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-G3

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.9	64.6	97.0
98	44.8	37.0	55.6

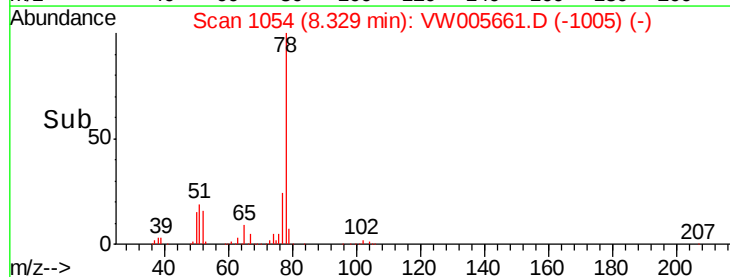
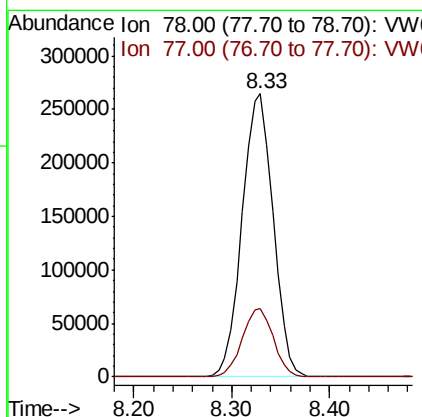
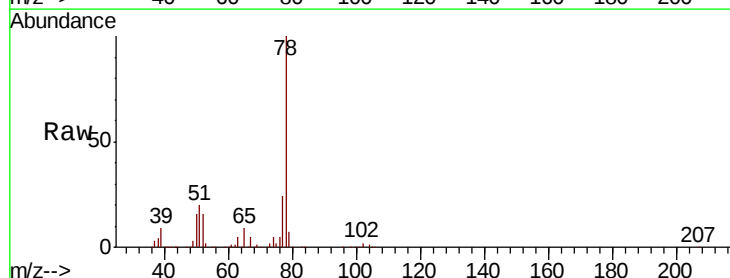
Manual Integrations
APPROVED

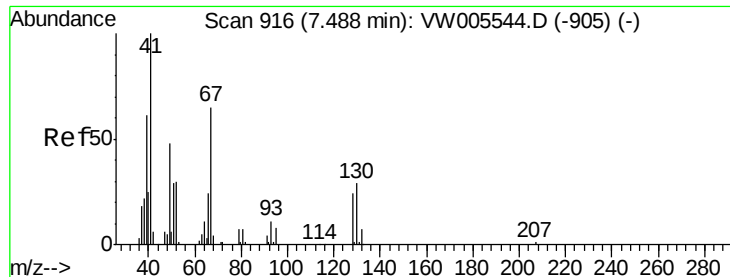
apatel
9/27/2018 10:33:52 AM



#40
Benzene
Concen: 44.976 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.4





#41

Methacrylonitrile

Concen: 58.711 ug/l

RT: 7.49 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Instrument :

MSVOA_W

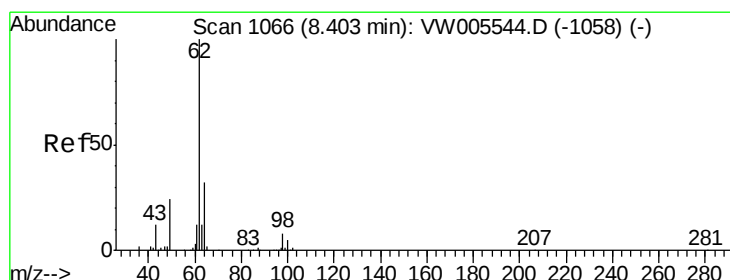
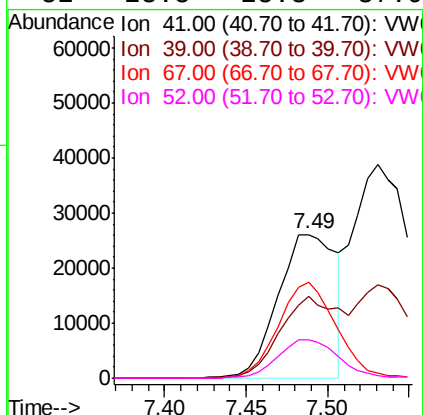
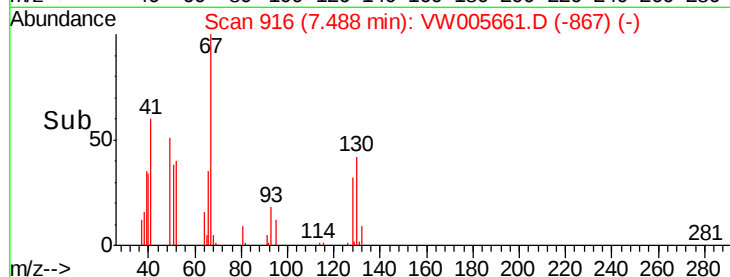
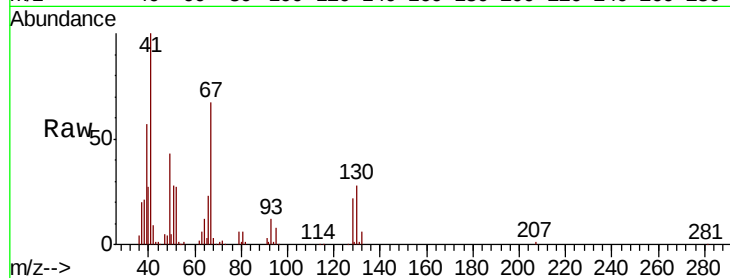
ClientSampleId :

EP1-Q1-G3

Tot Ion:	41	Resp:	64433
Ion	Ratio	Lower	Upper
41	100		
39	60.5	45.4	68.2
67	66.2	55.2	82.8
52	28.5	25.3	37.9

Manual Integrations
APPROVED

apatel
9/27/2018 10:33:52 AM



#42

1,2-Dichloroethane

Concen: 46.301 ug/l

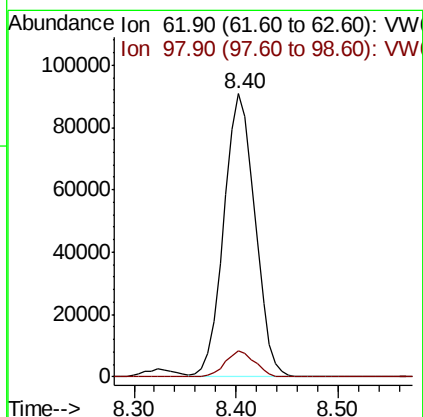
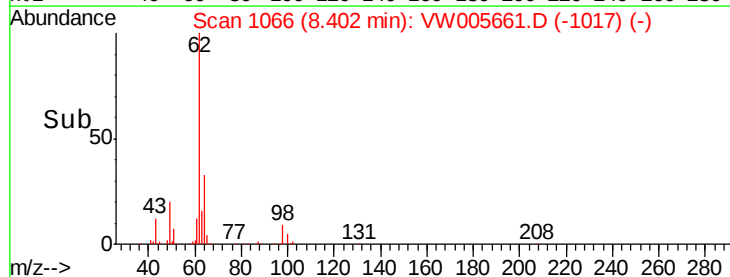
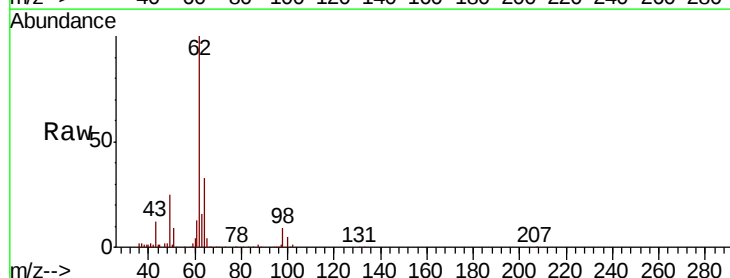
RT: 8.40 min Scan# 1066

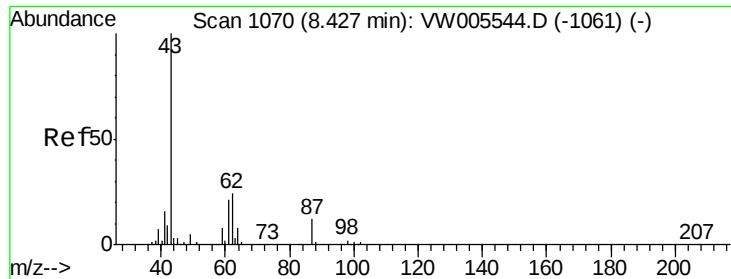
Delta R.T. -0.00 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Tgt Ion:	62	Resp:	192486
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	15.6





#43

Isopropyl Acetate

Concen: 49.766 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Instrument :

MSVOA_W

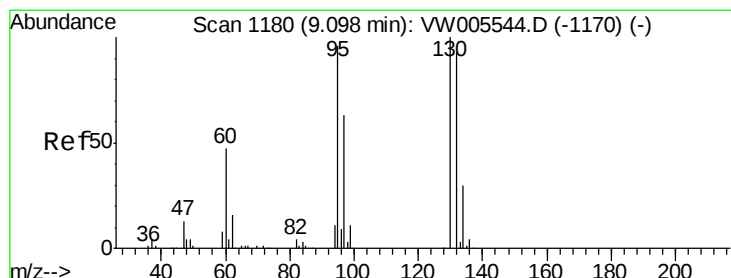
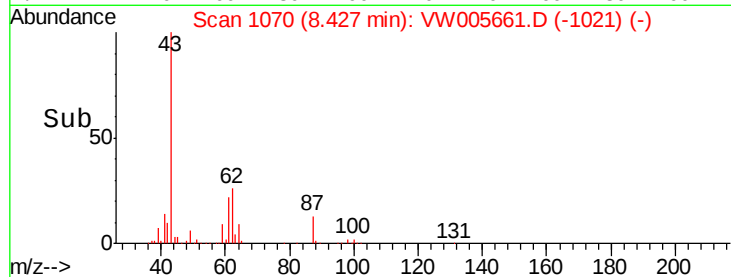
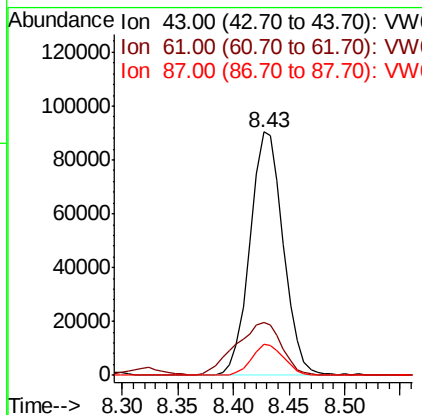
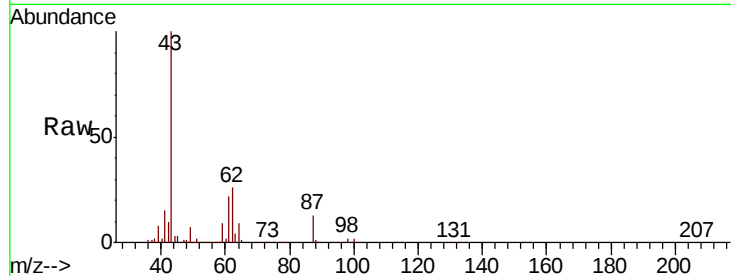
ClientSampleId :

EP1-Q1-G3

Tot Ion:	43	Resp:	188699
Ion	Ratio	Lower	Upper
43	100		
61	29.8	24.1	36.1
87	12.4	9.8	14.8

Manual Integrations
APPROVED

apatel
9/27/2018 10:33:52 AM



#44

Trichloroethene

Concen: 44.473 ug/l

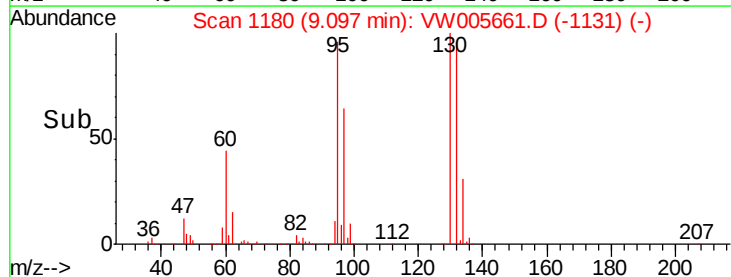
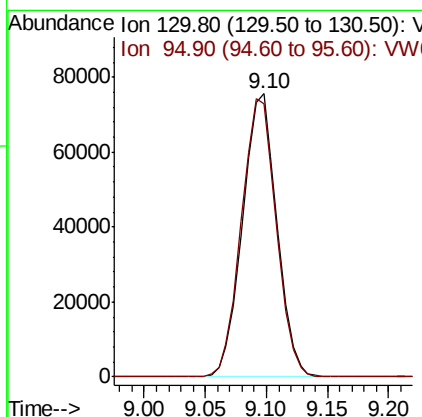
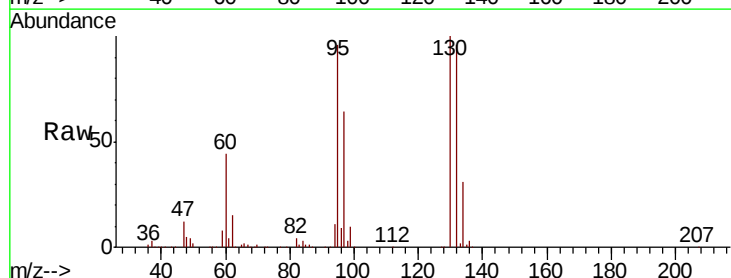
RT: 9.10 min Scan# 1180

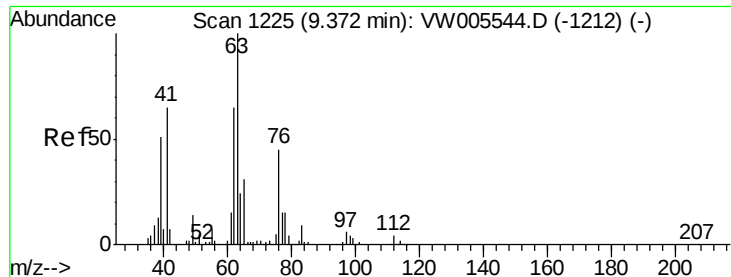
Delta R.T. -0.00 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Tgt Ion:	130	Resp:	147812
Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	191.2





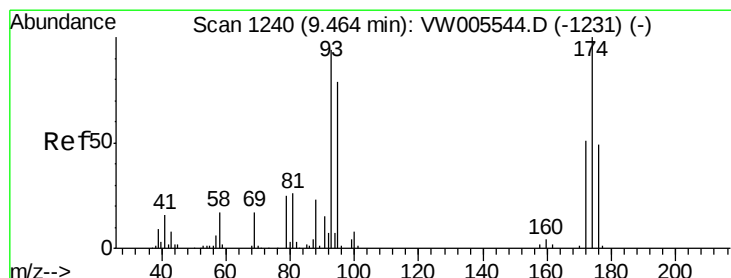
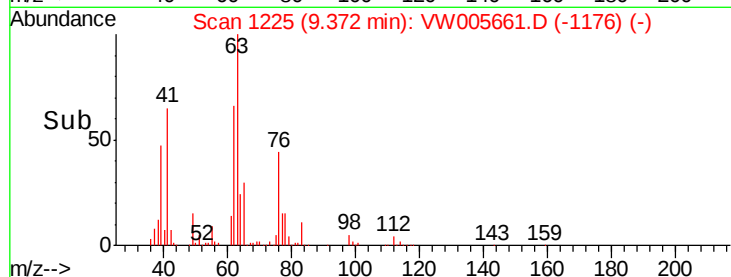
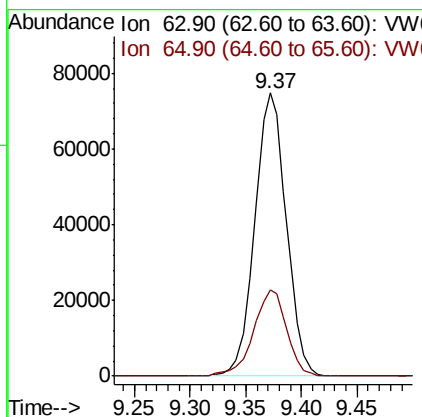
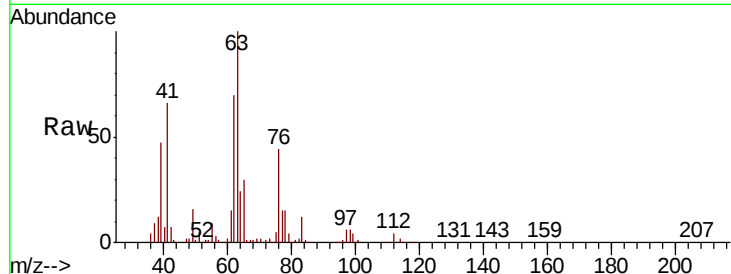
#45
 1,2-Dichloropropane
 Concen: 46.136 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW005661.D
 Acq: 26 Sep 2018 18:58

Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-G3

Tot Ion: 63 Resp: 147380
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.7 37.1

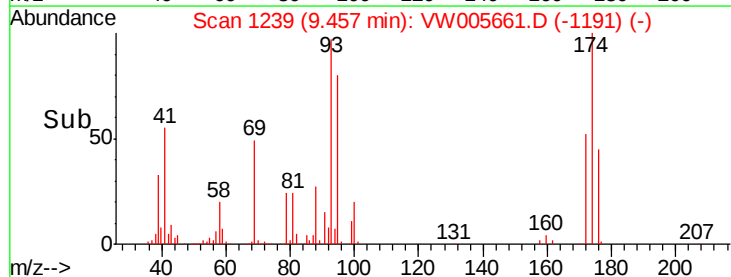
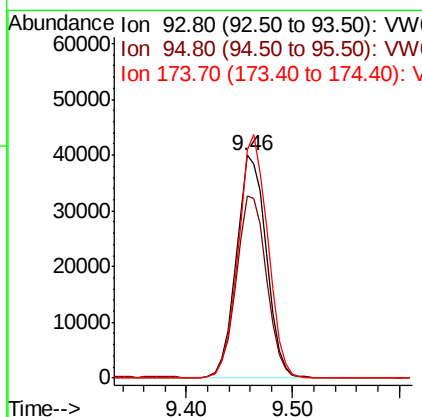
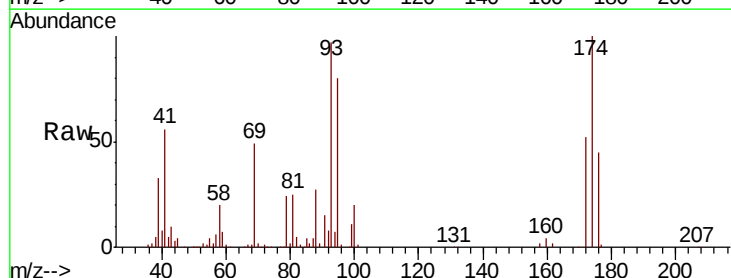
Manual Integrations
 APPROVED

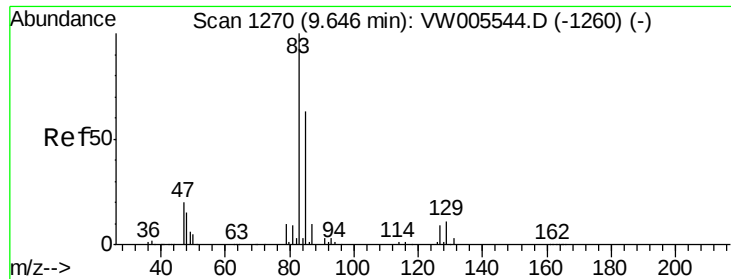
apatel
 9/27/2018 10:33:52 AM



#46
 Dibromomethane
 Concen: 49.552 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW005661.D
 Acq: 26 Sep 2018 18:58

Tgt Ion: 93 Resp: 79091
 Ion Ratio Lower Upper
 93 100
 95 82.9 65.8 98.8
 174 107.3 84.0 126.0





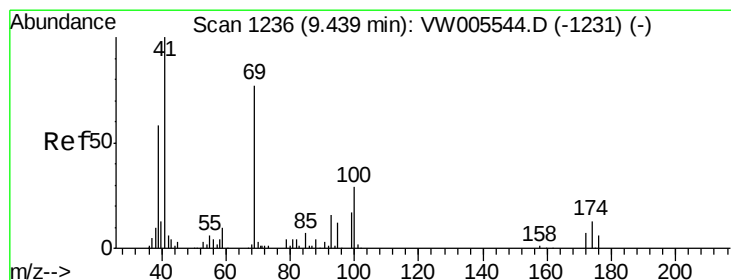
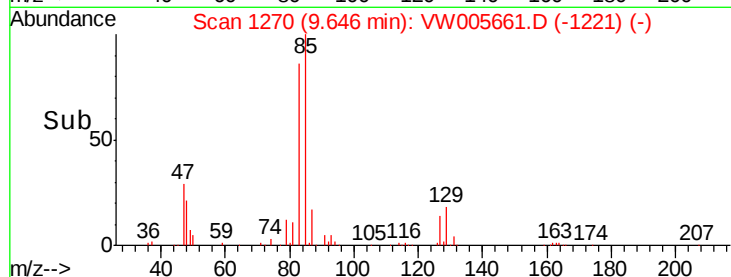
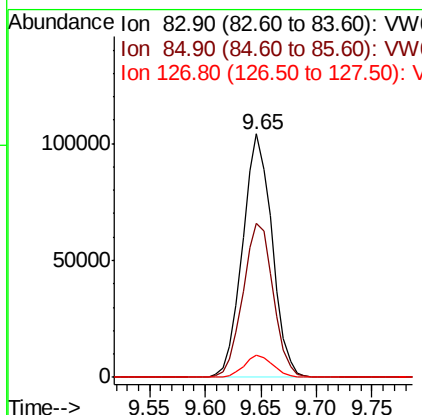
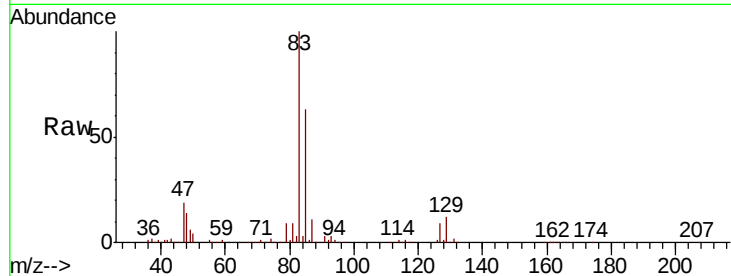
#47
Bromodichloromethane
Concen: 44.531 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-G3

Tot Ion	Ratio	Resp	Lower	Upper
83	100	190935		
85	63.0		50.5	75.7
127	8.9		7.0	10.6

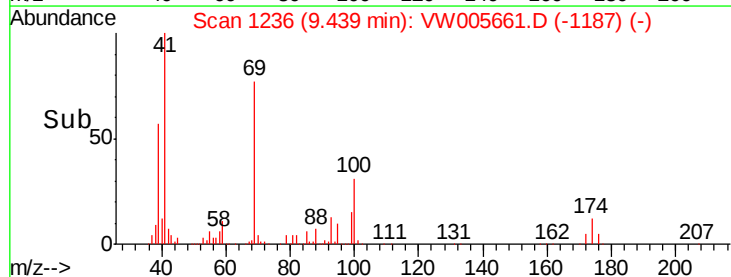
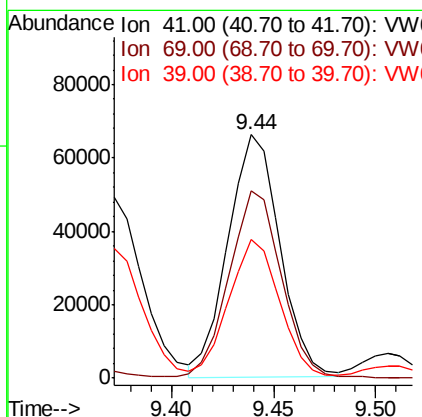
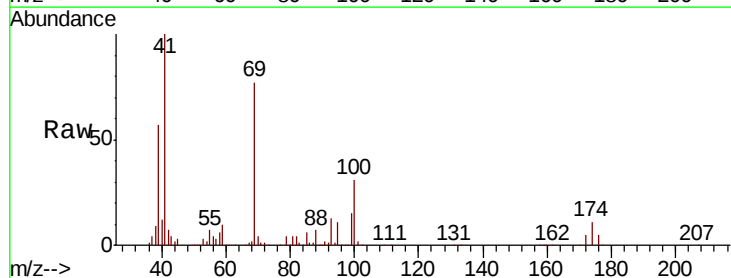
Manual Integrations
APPROVED

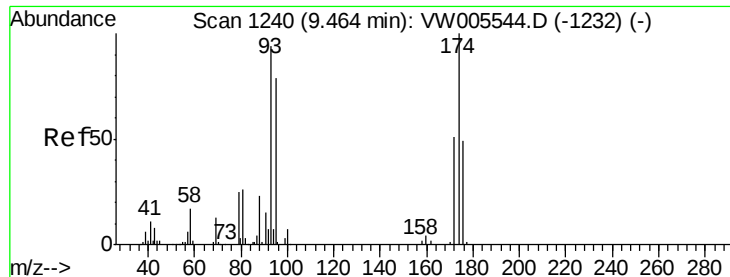
apatel
9/27/2018 10:33:52 AM



#48
Methyl methacrylate
Concen: 64.961 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	116992		
69	77.4		64.7	97.1
39	56.4		50.5	75.7





#49

1,4-Dioxane

Concen: 1018.147 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Instrument :

MSVOA_W

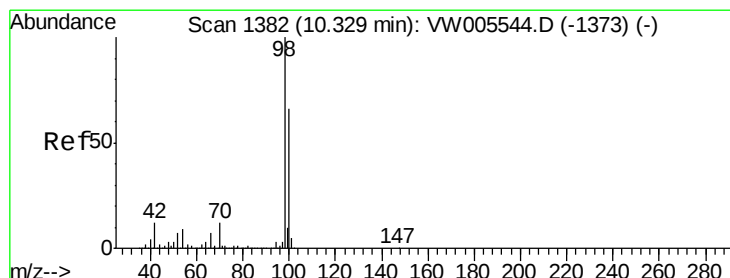
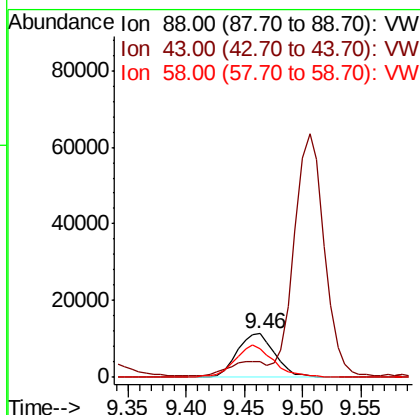
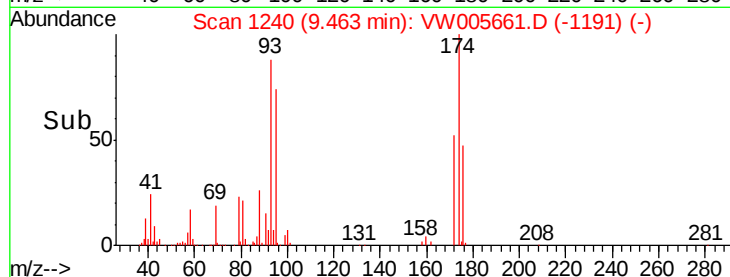
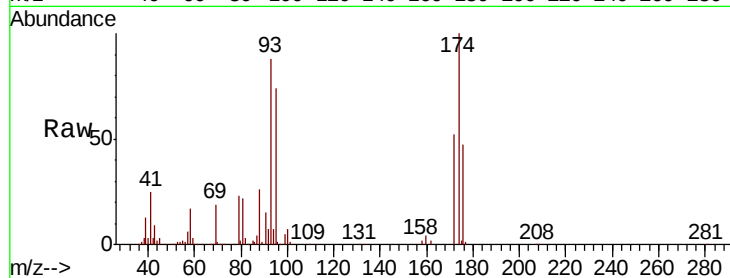
ClientSampleId :

EP1-Q1-G3

Tot Ion	88	Resp	25837
Ion	Ratio	Lower	Upper
88	100		
43	33.0	0.0	0.0#
58	75.9	61.2	91.8

Manual Integrations
APPROVED

apatel
9/27/2018 10:33:52 AM



#50

Toluene-d8

Concen: 38.634 ug/l

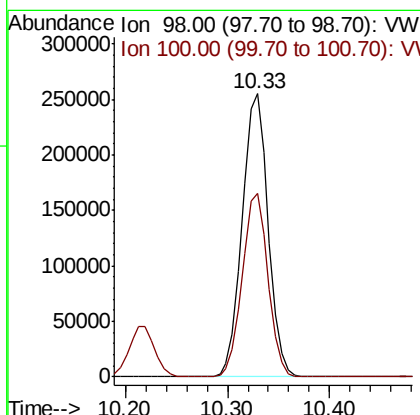
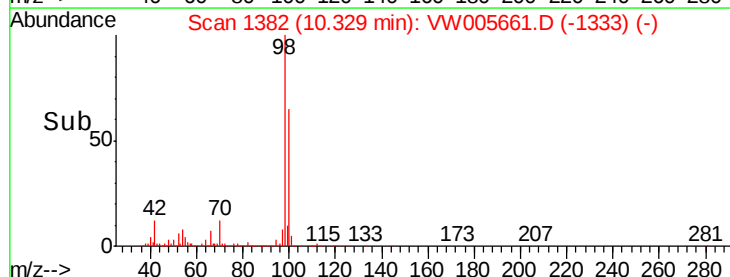
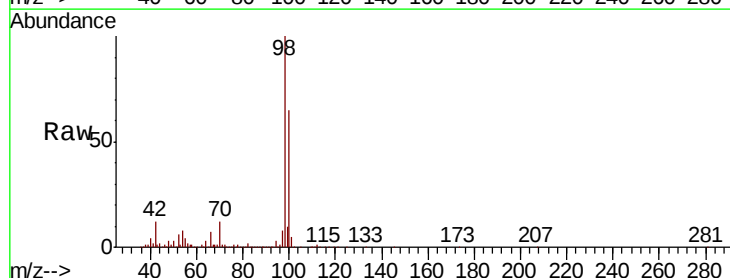
RT: 10.33 min Scan# 1382

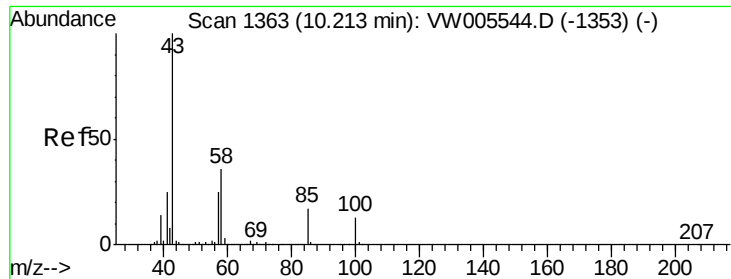
Delta R.T. -0.00 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Tgt Ion	98	Resp	450357
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 293.205 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-G3

Tot Ion: 43 Resp: 559948

Ion Ratio Lower Upper

43 100

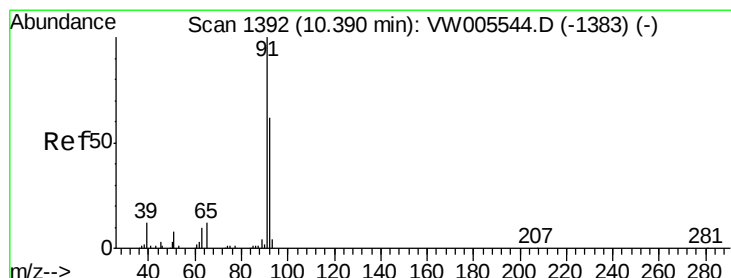
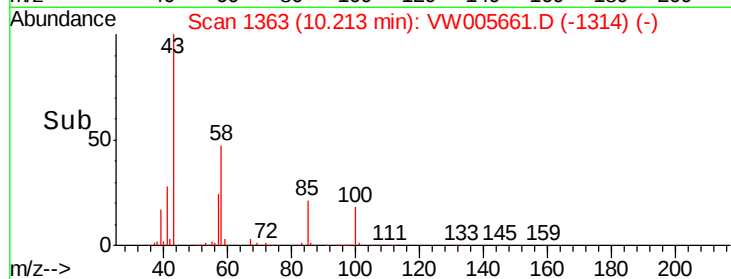
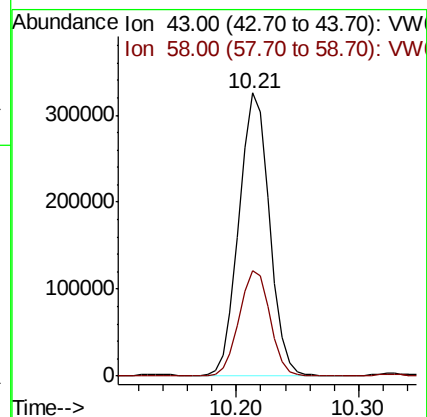
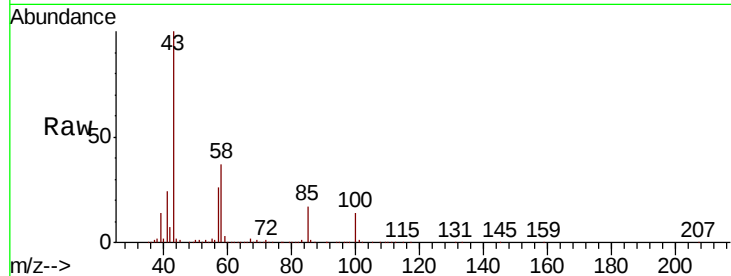
58 37.9 30.0 45.0

Manual Integrations

APPROVED

apatel

9/27/2018 10:33:52 AM



#52

Toluene

Concen: 42.458 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW005661.D

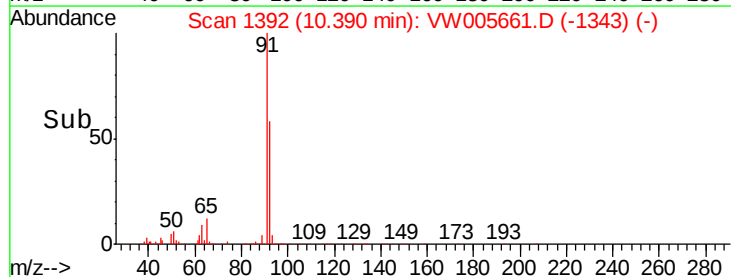
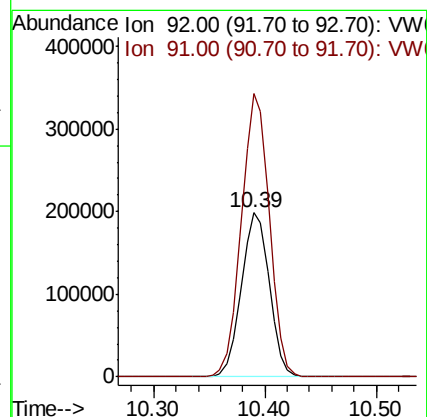
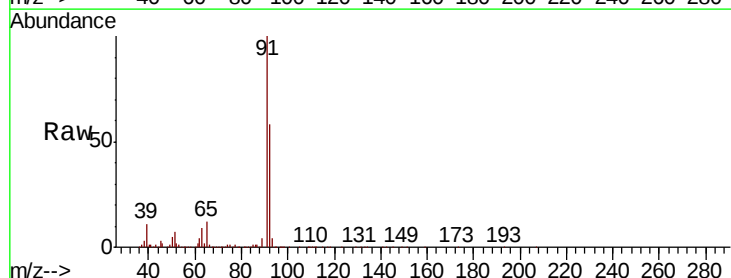
Acq: 26 Sep 2018 18:58

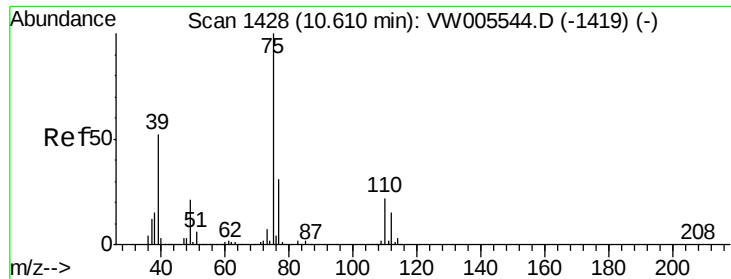
Tgt Ion: 92 Resp: 343991

Ion Ratio Lower Upper

92 100

91 172.8 137.1 205.7





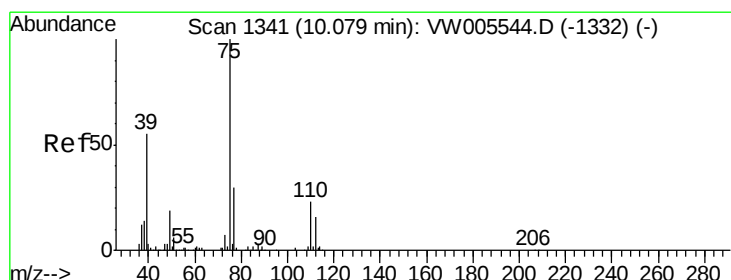
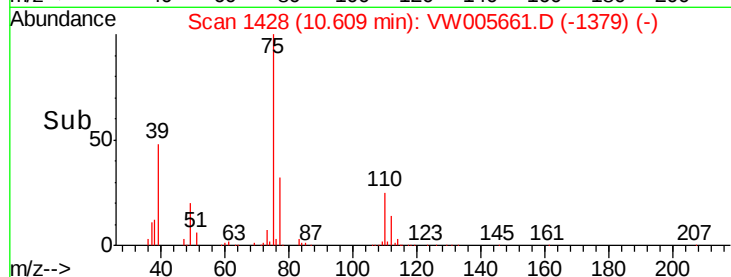
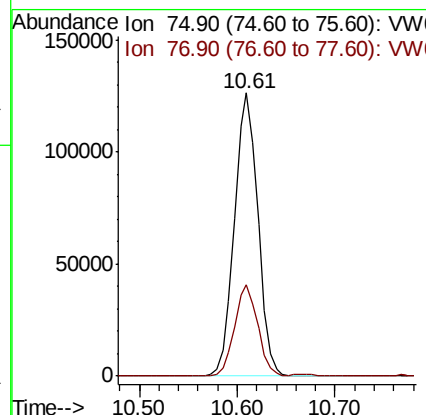
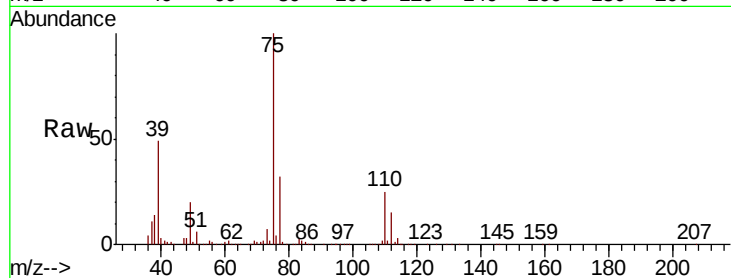
#53
 t-1,3-Dichloropropene
 Concen: 48.823 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW005661.D
 Acq: 26 Sep 2018 18:58

Instrument :
 MSVOA_W
 ClientSampled :
 EP1-Q1-G3

Tot Ion	Ratio	Resp	Lower	Upper
75	100	209857		
77	32.2		24.6	37.0

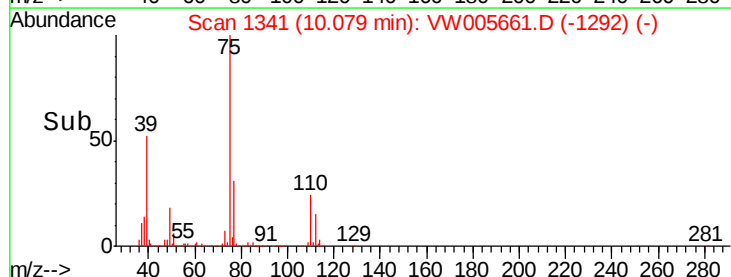
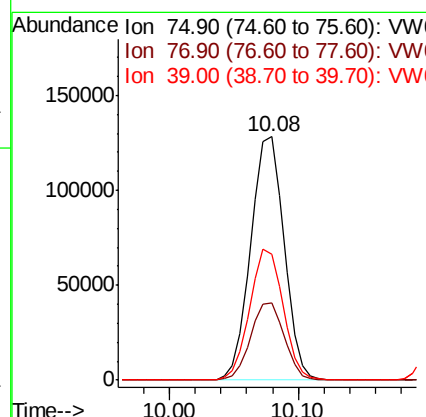
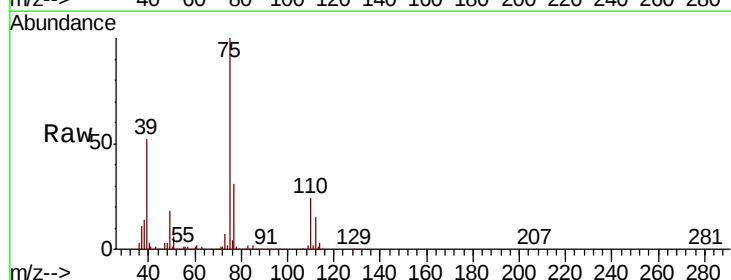
Manual Integrations
 APPROVED

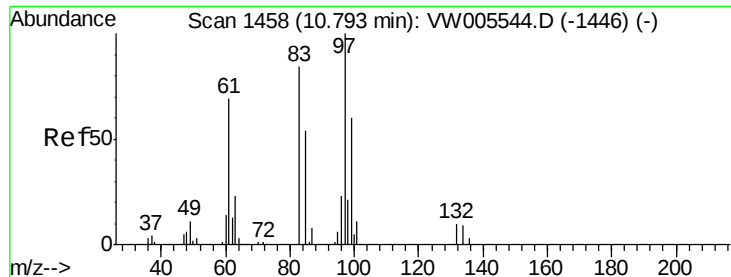
apatel
 9/27/2018 10:33:52 AM



#54
 cis-1,3-Dichloropropene
 Concen: 47.739 ug/l
 RT: 10.08 min Scan# 1341
 Delta R.T. -0.00 min
 Lab File: VW005661.D
 Acq: 26 Sep 2018 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	229907		
77	31.5		24.3	36.5
39	51.9		43.7	65.5





#55

1,1,2-Trichloroethane

Concen: 59.084 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. -0.00 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Instrument :

MSVOA_W

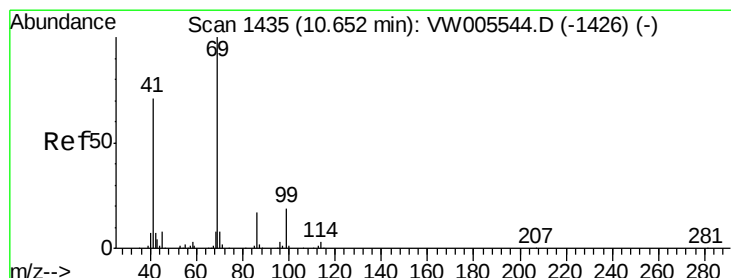
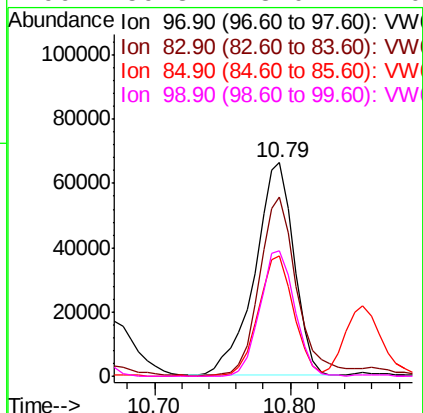
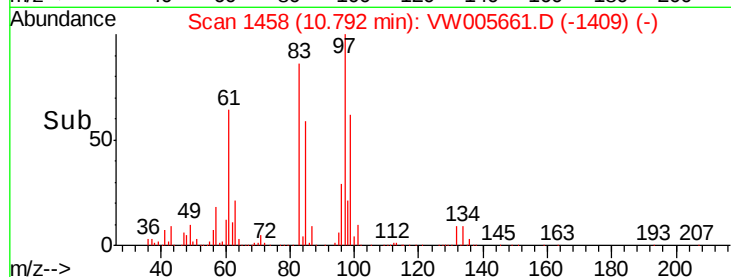
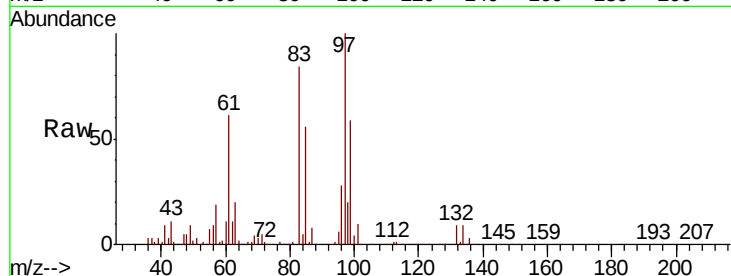
ClientSampled :

EP1-Q1-G3

Tot Ion:	97	Resp:	133866
Ion	Ratio	Lower	Upper
97	100		
83	83.9	67.4	101.2
85	56.1	43.3	64.9
99	59.3	48.0	72.0

Manual Integrations
APPROVED

apatel
9/27/2018 10:33:52 AM



#56

Ethyl methacrylate

Concen: 59.476 ug/l

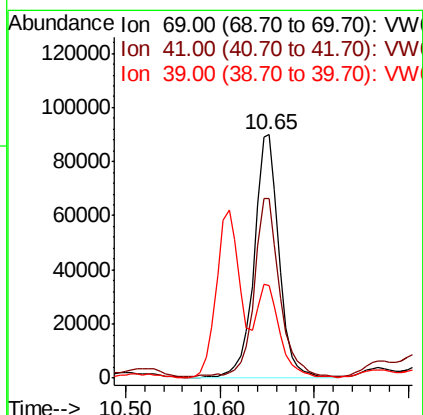
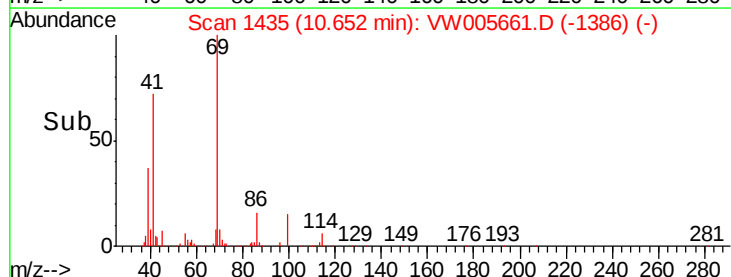
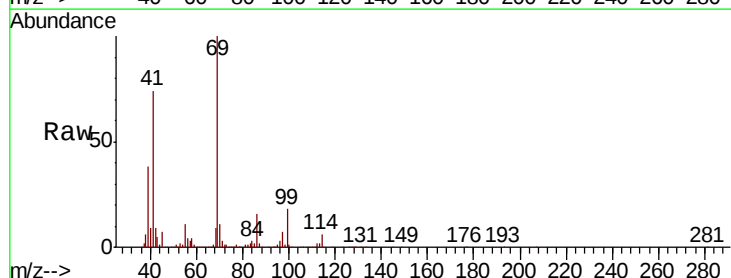
RT: 10.65 min Scan# 1435

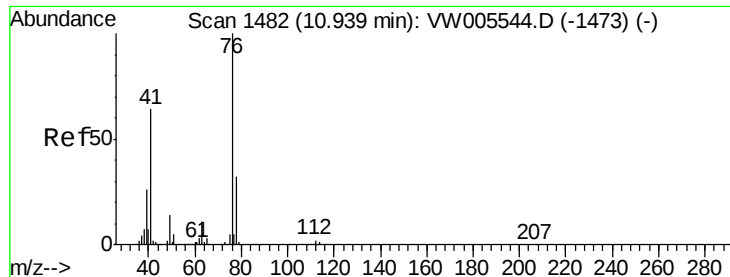
Delta R.T. -0.00 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Tgt Ion:	69	Resp:	166347
Ion	Ratio	Lower	Upper
69	100		
41	76.0	57.3	85.9
39	34.0	29.2	43.8





#57

1,3-Dichloropropane

Concen: 49.699 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-G3

Tot Ion: 76 Resp: 199567

Ion Ratio Lower Upper

76 100

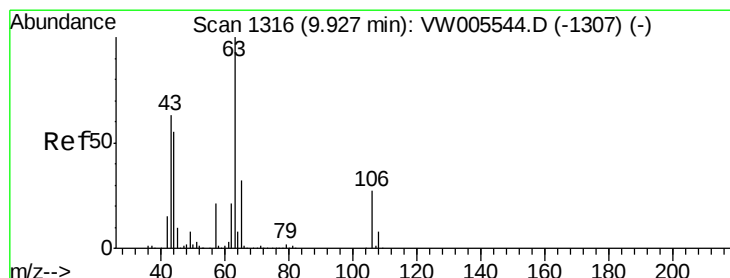
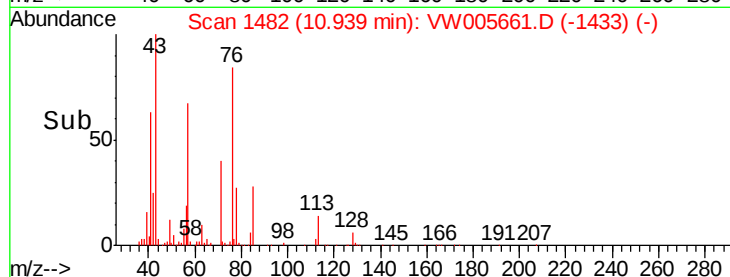
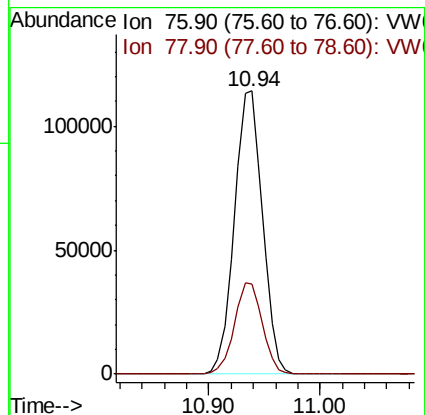
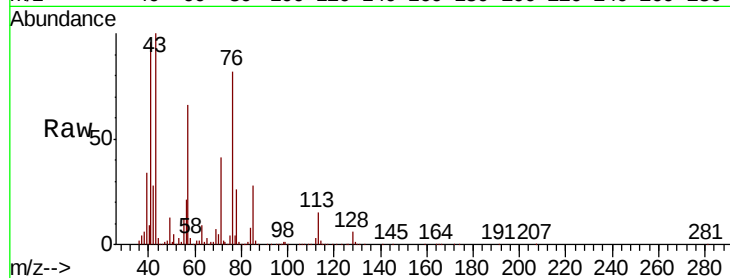
78 32.0 25.6 38.4

Manual Integrations

APPROVED

apatel

9/27/2018 10:33:52 AM



#58

2-Chloroethyl Vinyl ether

Concen: 262.428 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW005661.D

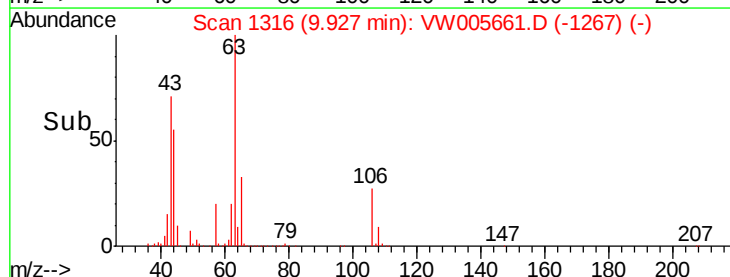
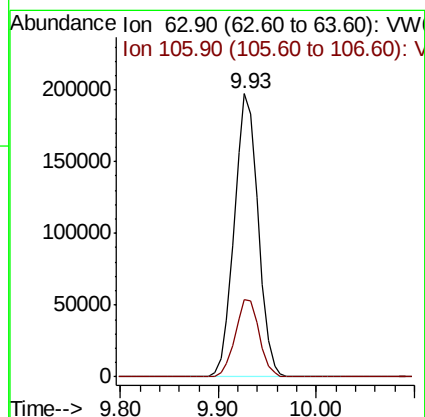
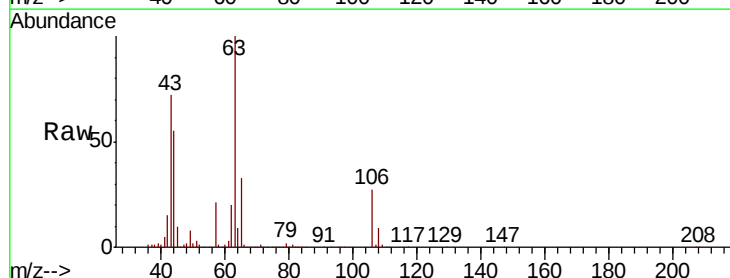
Acq: 26 Sep 2018 18:58

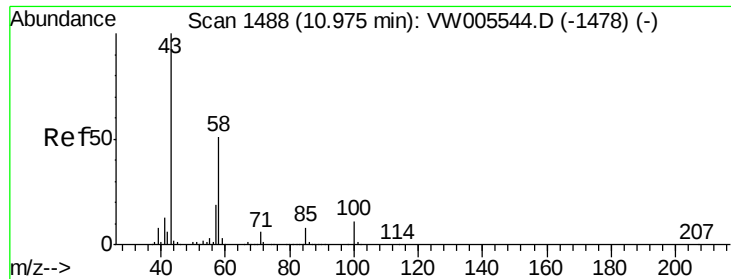
Tgt Ion: 63 Resp: 332717

Ion Ratio Lower Upper

63 100

106 27.6 21.6 32.4





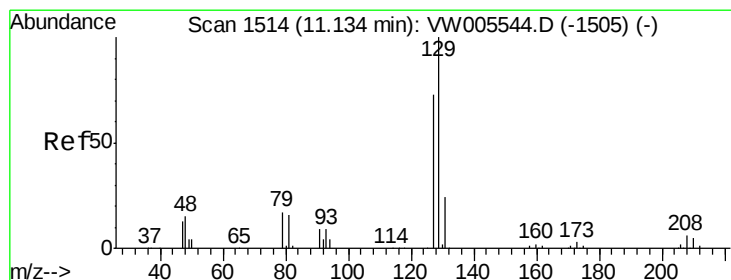
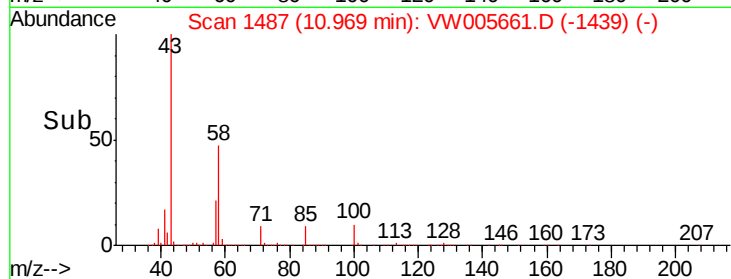
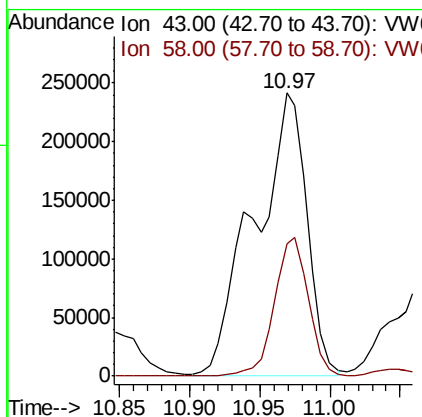
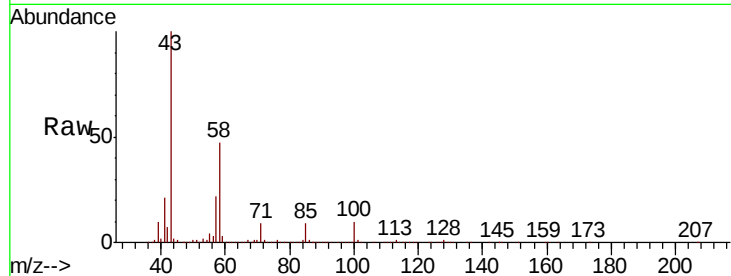
#59
2-Hexanone
Concen: 484.922 ug/l m
RT: 10.97 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-G3

Tot Ion	43	Resp	629111
Ion Ratio	100	Lower	Upper
58	31.8	25.3	75.9

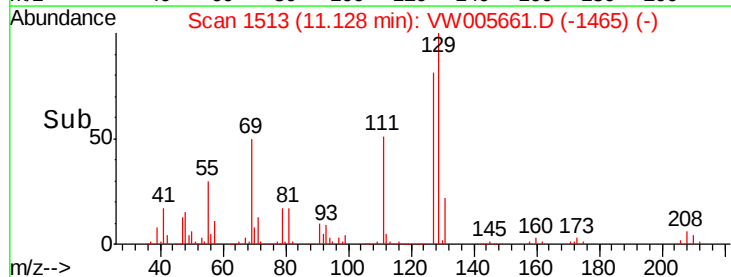
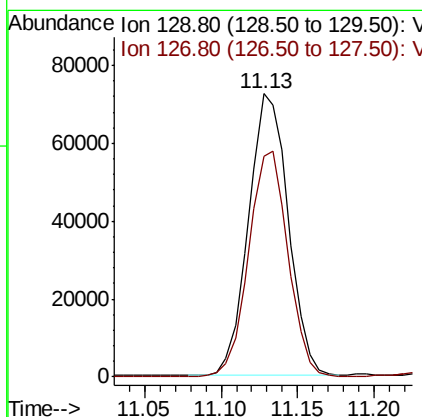
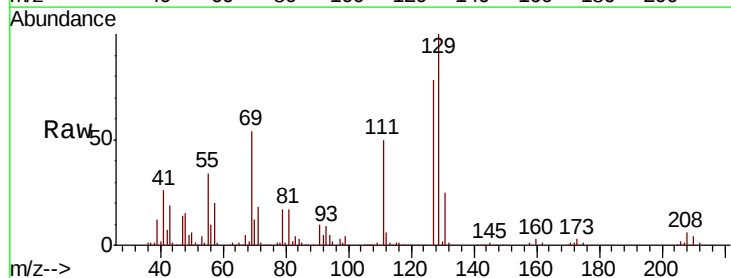
Manual Integrations
APPROVED

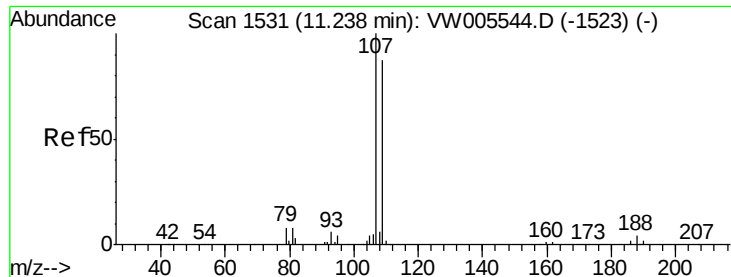
apatel
9/27/2018 10:33:52 AM



#60
Dibromochloromethane
Concen: 47.780 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Tgt Ion	129	Resp	130800
Ion Ratio	100	Lower	Upper
127	78.8	38.5	115.5





#61

1,2-Dibromoethane

Concen: 52.432 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-G3

Tot Ion: 107 Resp: 110760

Ion Ratio Lower Upper

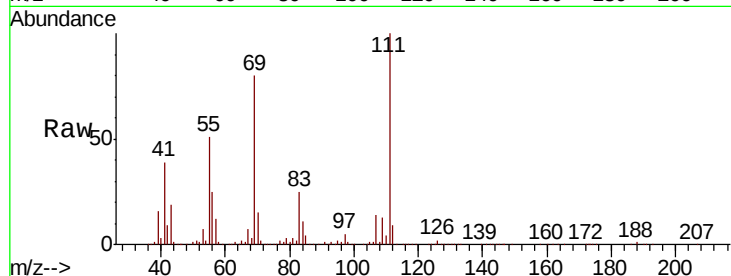
107 100

109 96.7 73.4 110.0

Manual Integrations
APPROVED

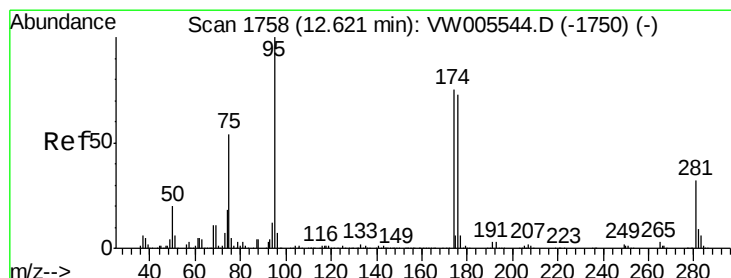
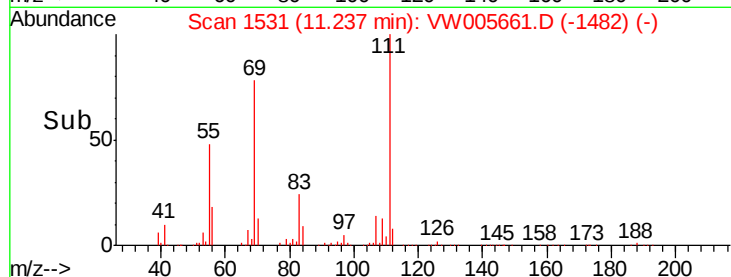
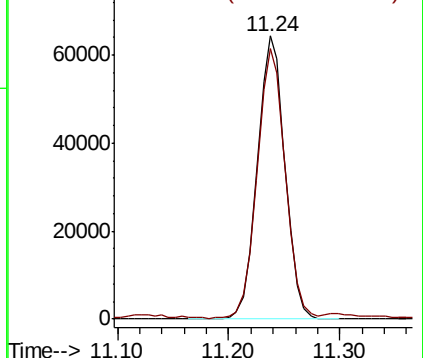
apatel

9/27/2018 10:33:52 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 113.882 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

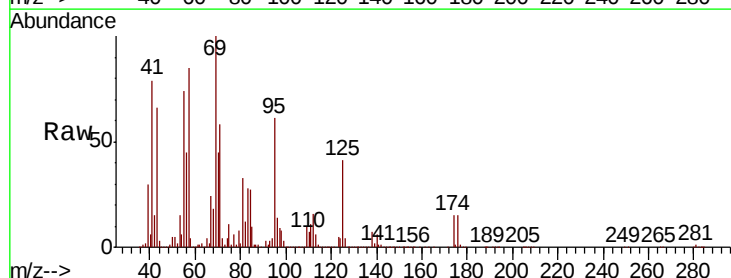
Tgt Ion: 95 Resp: 491216

Ion Ratio Lower Upper

95 100

174 25.5 0.0 163.8

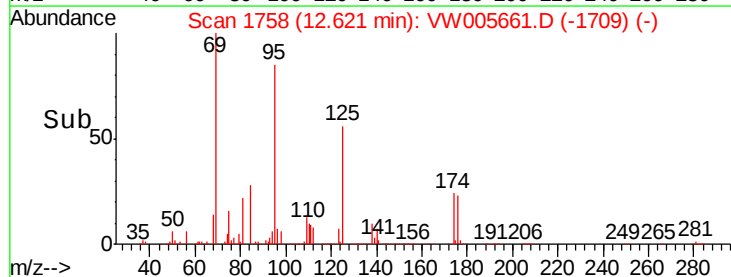
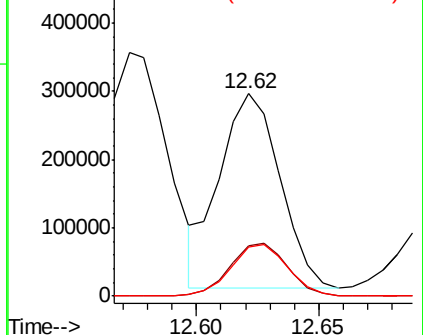
176 25.0 0.0 158.0

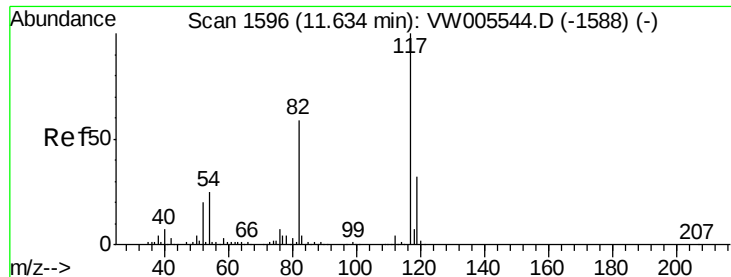


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





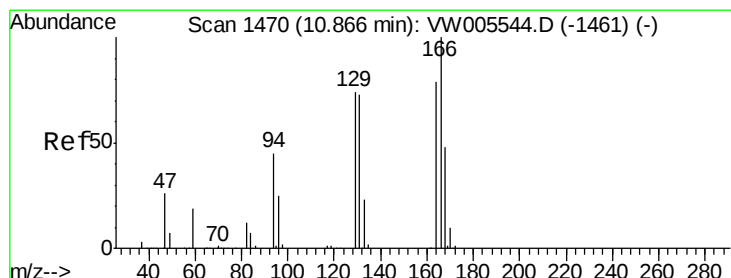
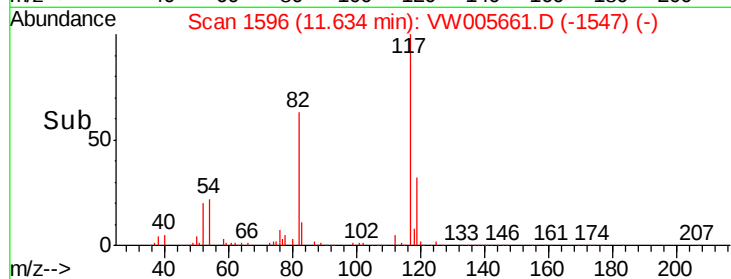
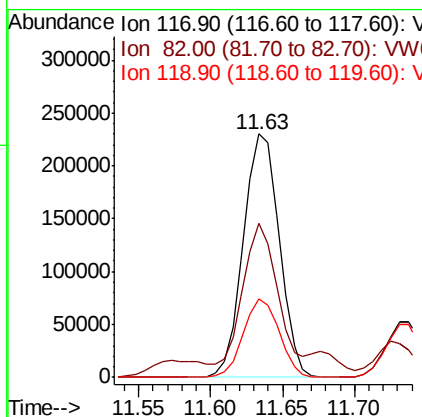
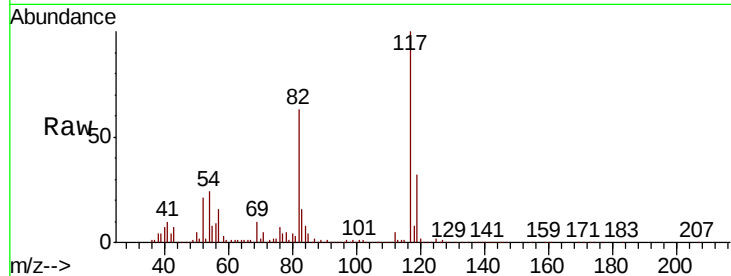
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-G3

Tot Ion	Ratio	Resp	Lower	Upper
117	100	397624		
82	57.1	46.9	70.3	
119	32.4	25.7	38.5	

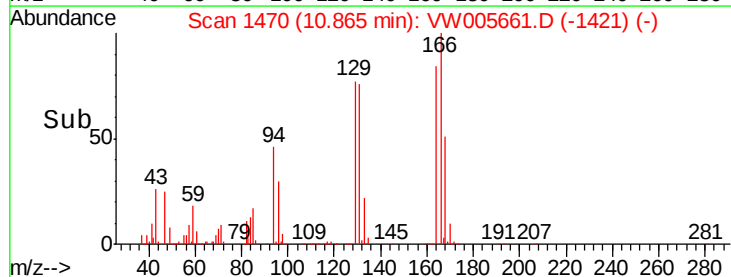
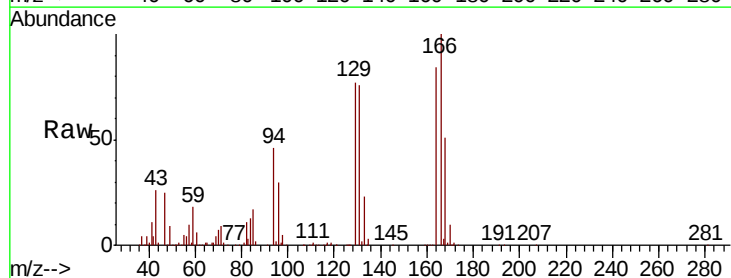
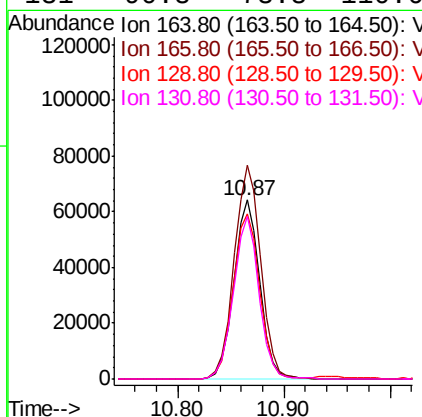
Manual Integrations
APPROVED

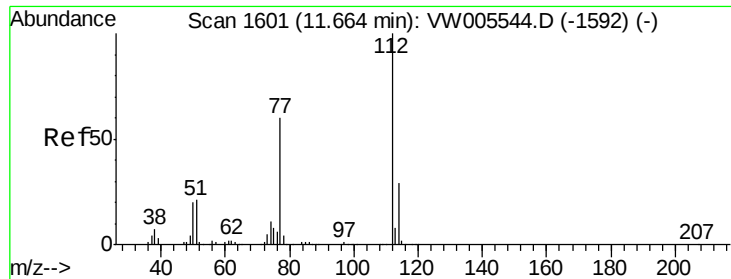
apatel
9/27/2018 10:33:52 AM



#64
Tetrachloroethene
Concen: 38.758 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	109379		
166	119.4	101.1	151.7	
129	92.2	74.4	111.6	
131	90.8	73.8	110.6	





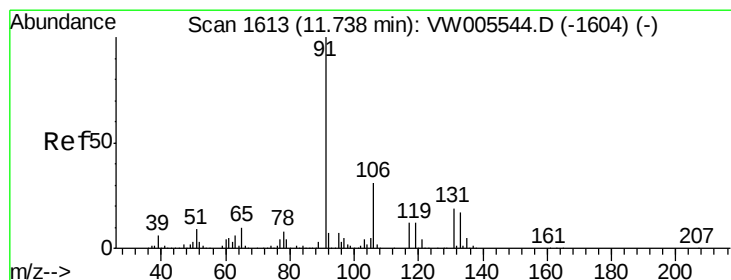
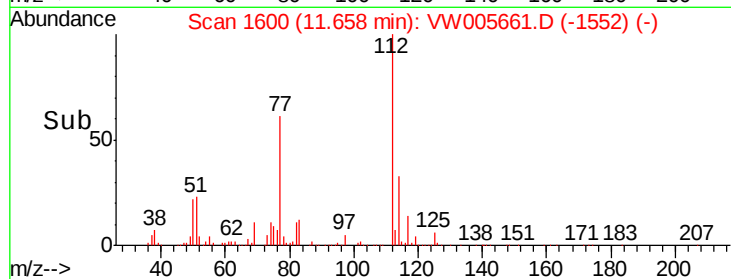
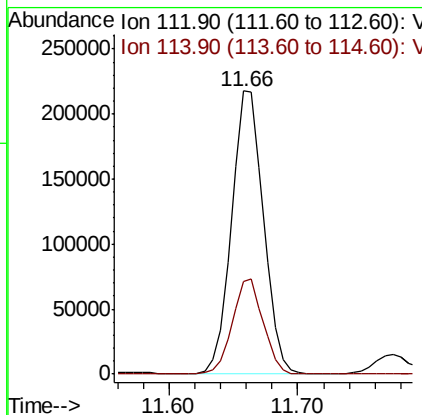
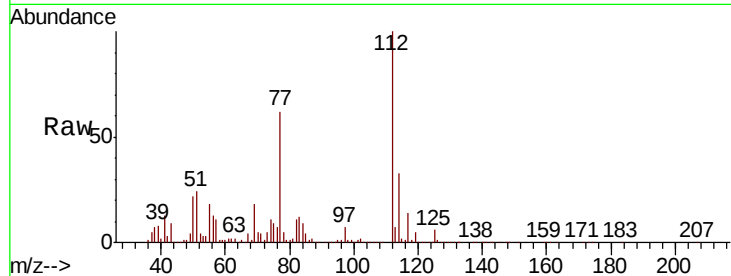
#65
Chlorobenzene
Concen: 44.245 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Instrument :
MSVOA_W
ClientSampled :
EP1-Q1-G3

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.9	34.3

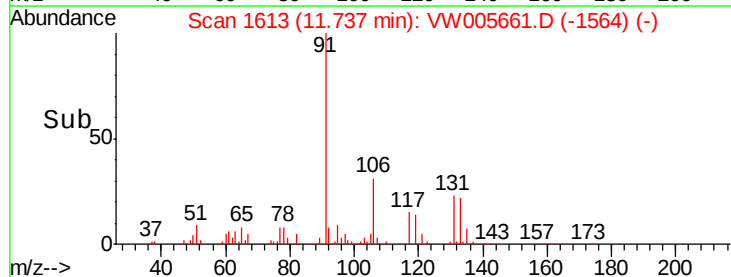
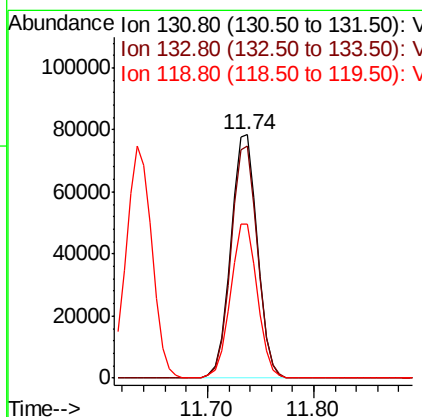
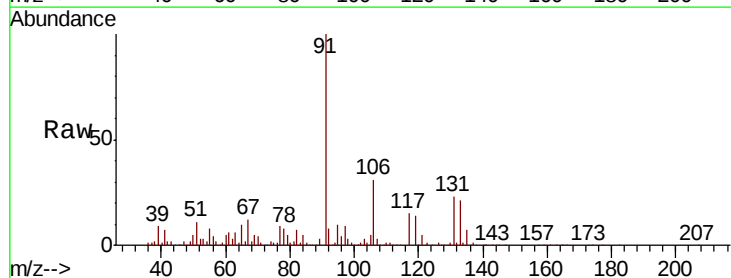
Manual Integrations
APPROVED

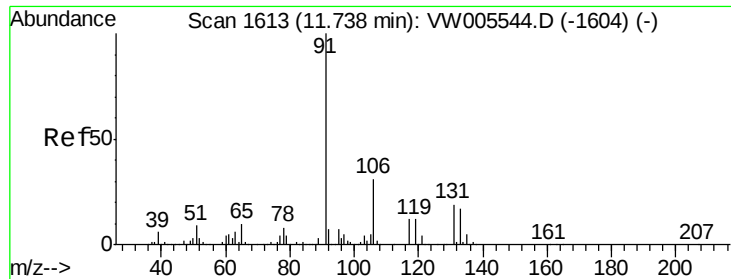
apatel
9/27/2018 10:33:52 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 45.070 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.2	141.6
119	63.8	31.1	93.2





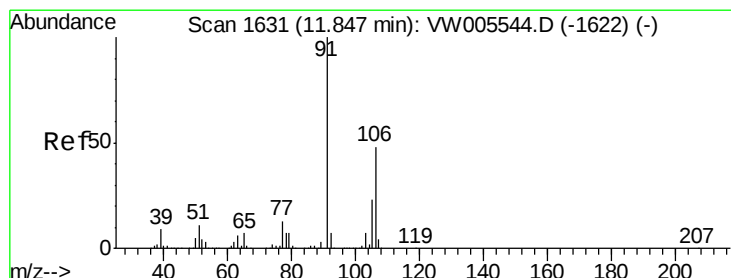
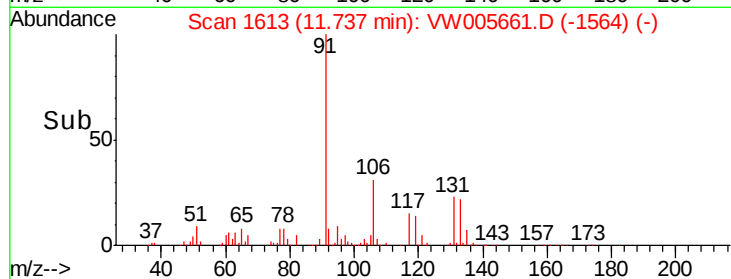
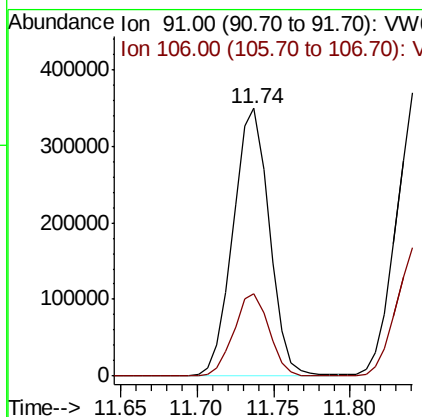
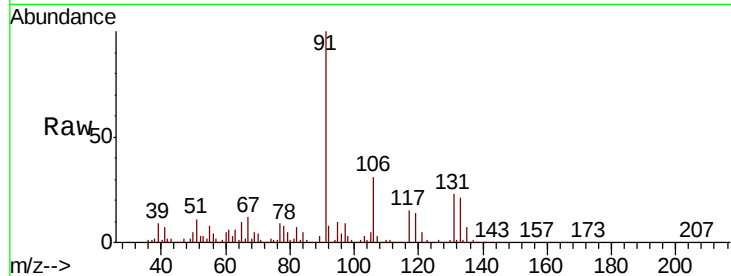
#67
Ethyl Benzene
Concen: 37.992 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Instrument :
MSVOA_W
ClientSampled :
EP1-Q1-G3

Tot Ion: 91 Resp: 569232
Ion Ratio Lower Upper
91 100
106 30.8 24.4 36.6

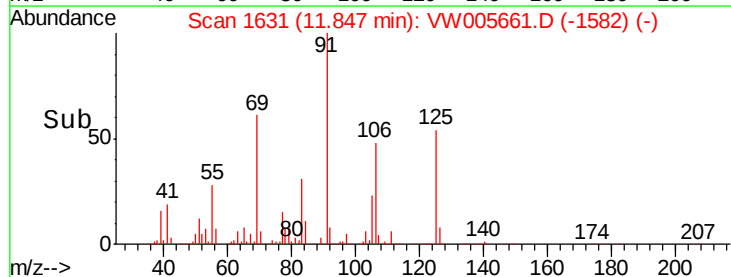
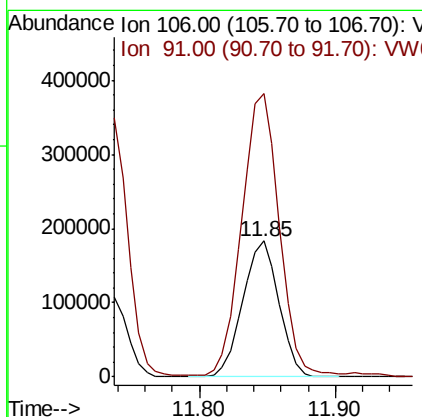
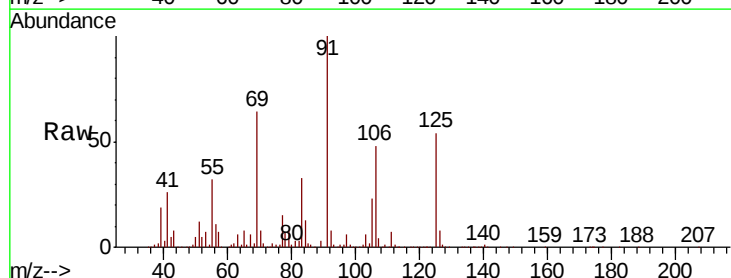
Manual Integrations
APPROVED

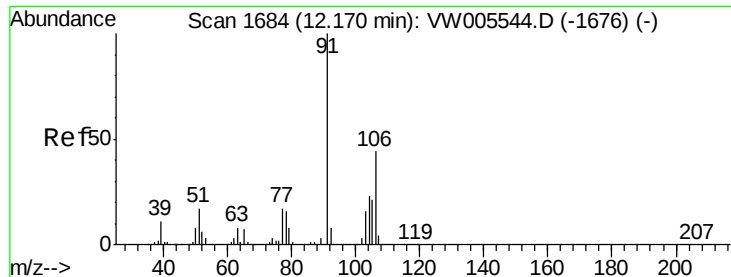
apatel
9/27/2018 10:33:52 AM



#68
m/p-Xylenes
Concen: 59.989 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Tgt Ion: 106 Resp: 339574
Ion Ratio Lower Upper
106 100
91 215.0 167.8 251.8





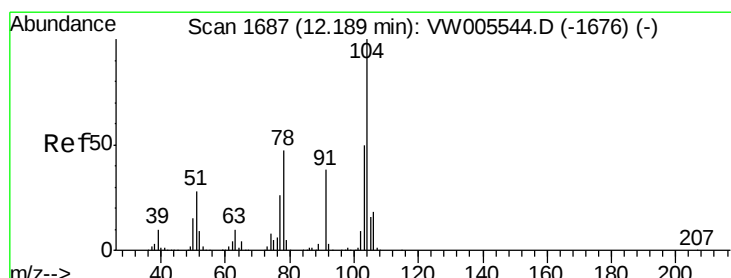
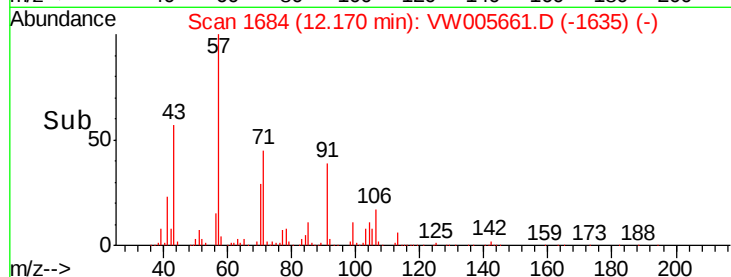
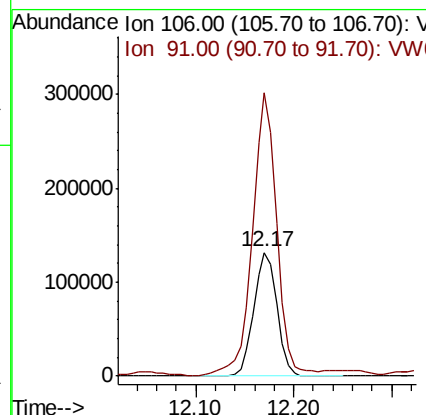
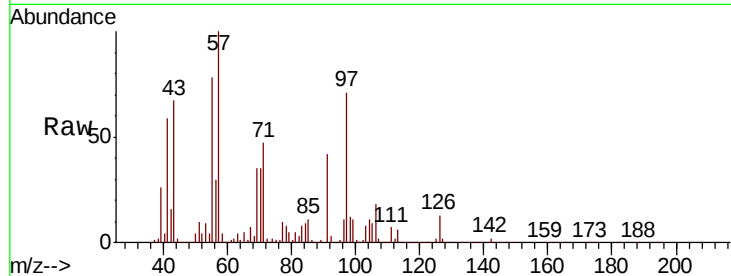
#69
o-Xylene
Concen: 40.749 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-G3

Tot Ion:106 Resp: 216025
Ion Ratio Lower Upper
106 100
91 237.9 111.0 333.0

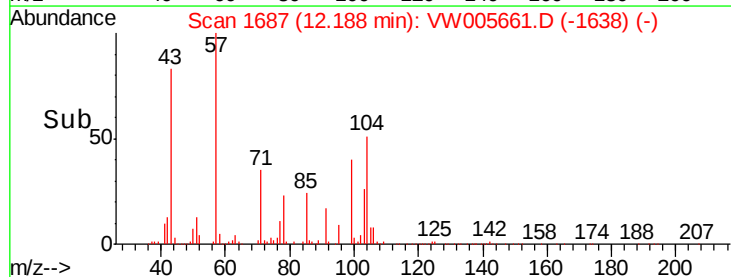
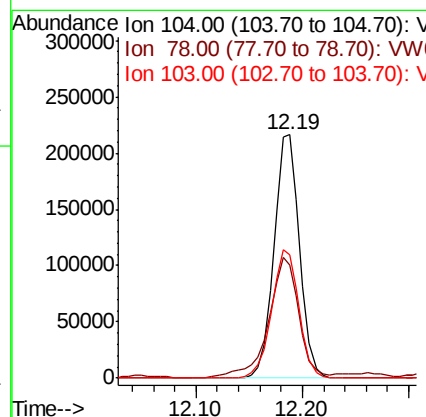
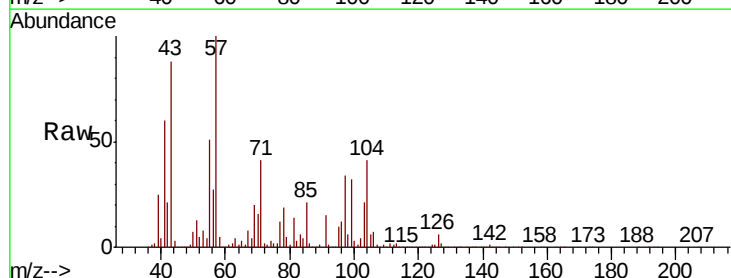
Manual Integrations
APPROVED

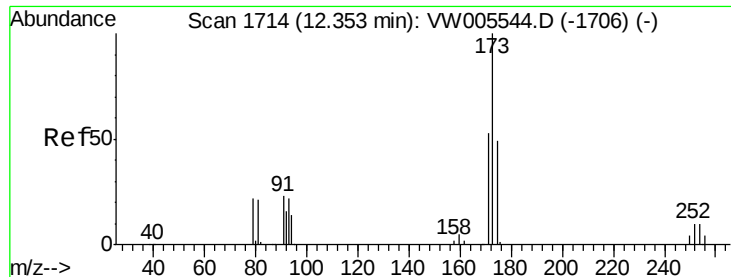
apatel
9/27/2018 10:33:52 AM



#70
Styrene
Concen: 40.313 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Tgt Ion:104 Resp: 359655
Ion Ratio Lower Upper
104 100
78 58.7 42.2 63.4
103 56.7 44.6 66.8





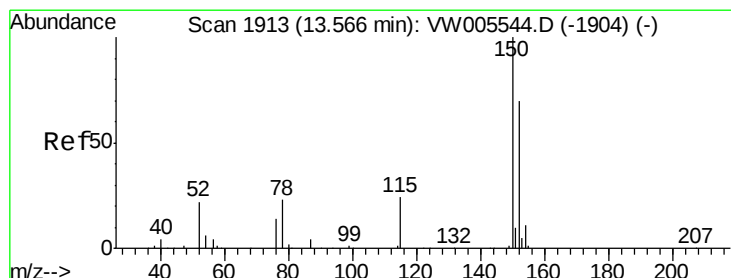
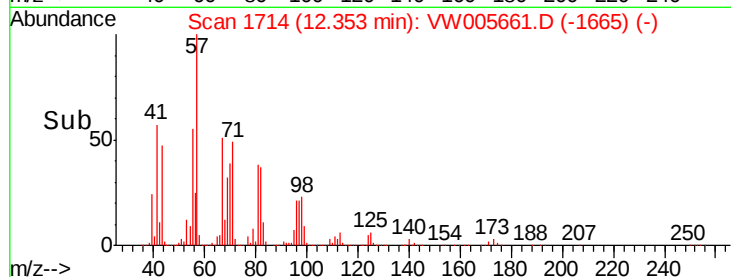
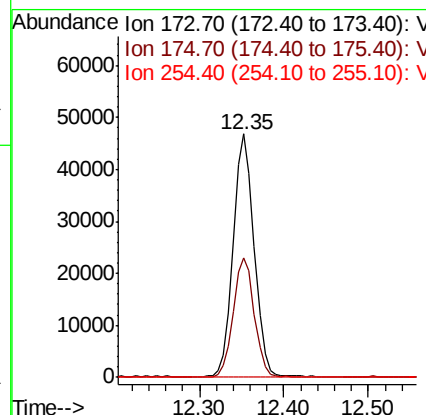
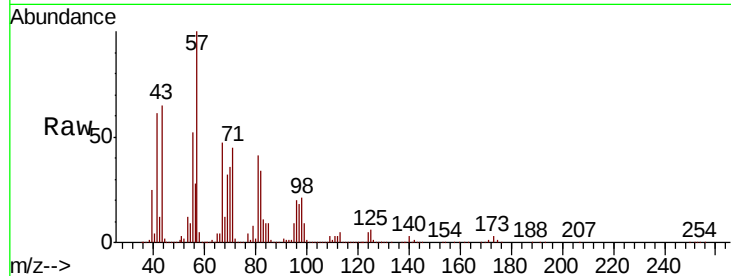
#71
Bromoform
Concen: 49.464 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-G3

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	72.9
254	0.1	0.1	0.1

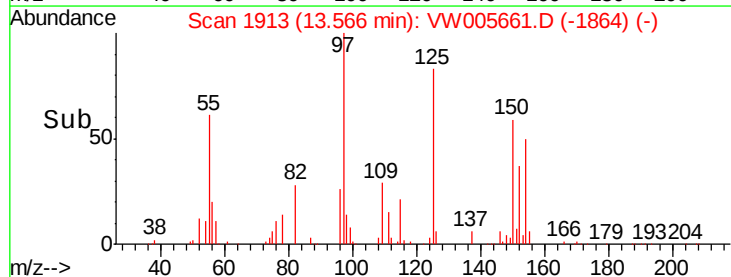
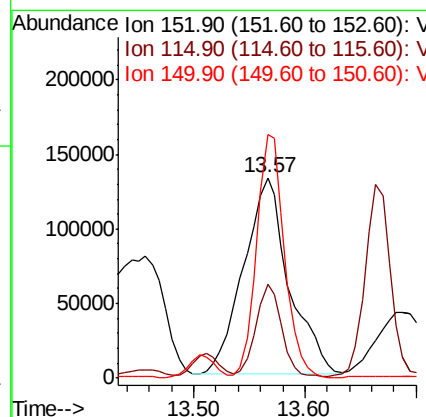
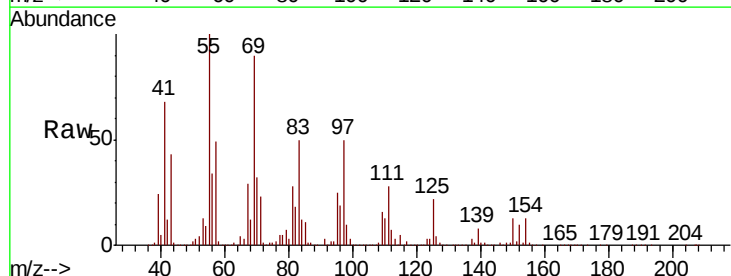
Manual Integrations
APPROVED

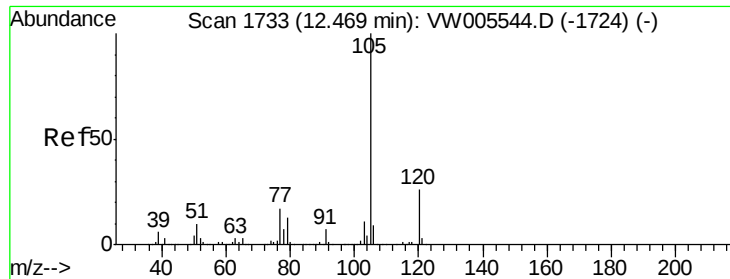
apatel
9/27/2018 10:33:52 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	26.6	30.0	90.0#
150	76.5	0.0	348.6





#73

Isopropylbenzene

Concen: 15.616 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Instrument :

MSVOA_W

ClientSampled :

EP1-Q1-G3

Tot Ion:105 Resp: 401823

Ion Ratio Lower Upper

105 100

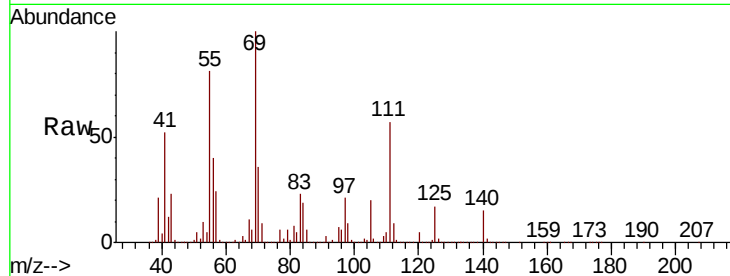
120 25.4 12.9 38.7

Manual Integrations

APPROVED

apatel

9/27/2018 10:33:52 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

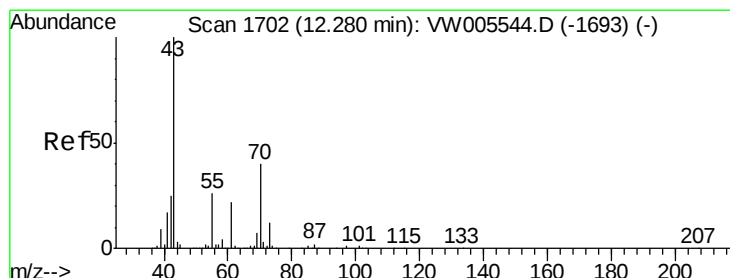
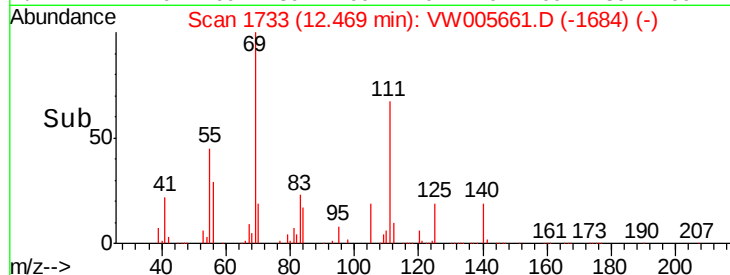
50000

0

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 867.891 ug/l

RT: 12.26 min Scan# 1699

Delta R.T. -0.02 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Tgt Ion: 43 Resp: 5056941

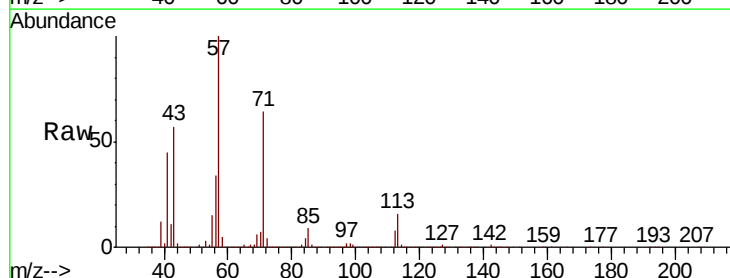
Ion Ratio Lower Upper

43 100

70 15.7 31.4 47.0#

55 25.7 20.9 31.3

61 0.3 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

4000000

3000000

2000000

1000000

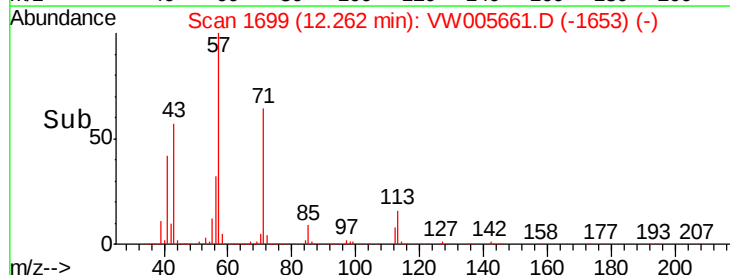
0

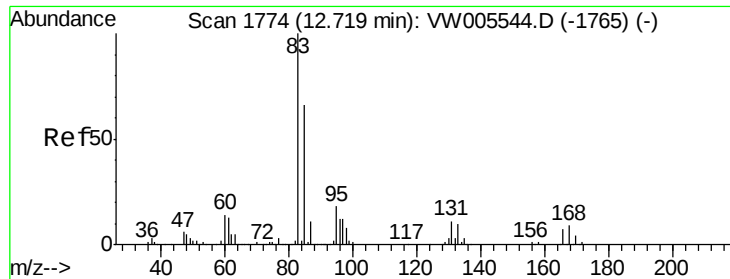
12.20

12.25

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 160.947 ug/l

RT: 12.71 min Scan# 1772

Delta R.T. -0.01 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Instrument :

MSVOA_W

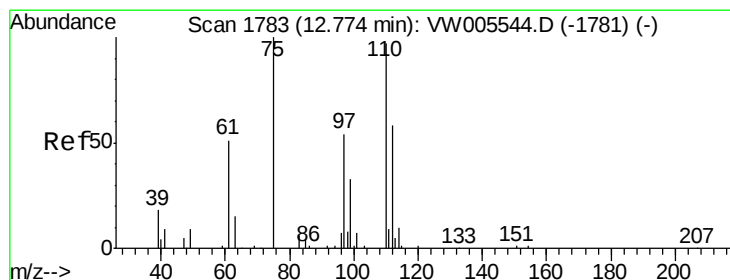
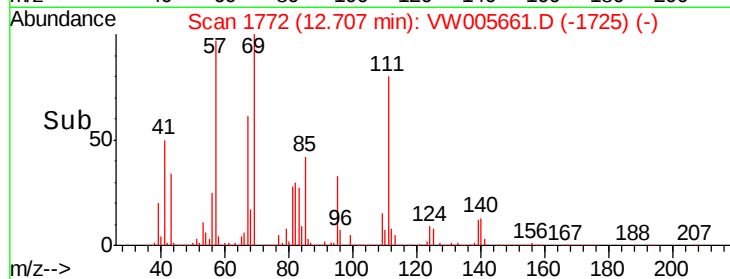
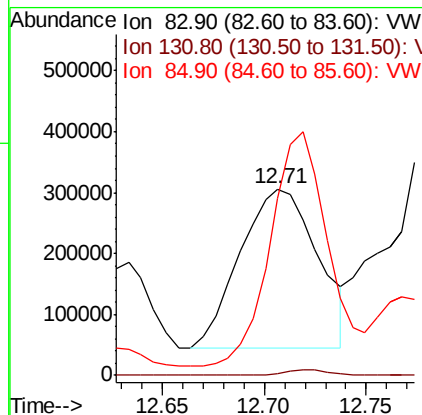
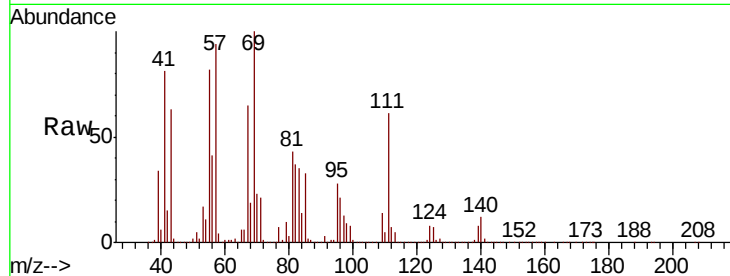
ClientSampled :

EP1-Q1-G3

Tot Ion	83	Resp	687908
Ion Ratio	100	Lower	Upper
83	100		
131	2.2	5.5	16.7#
85	110.1	32.4	97.0#

Manual Integrations
APPROVED

apatel
9/27/2018 10:33:52 AM



#76

1,2,3-Trichloropropane

Concen: 36.950 ug/l m

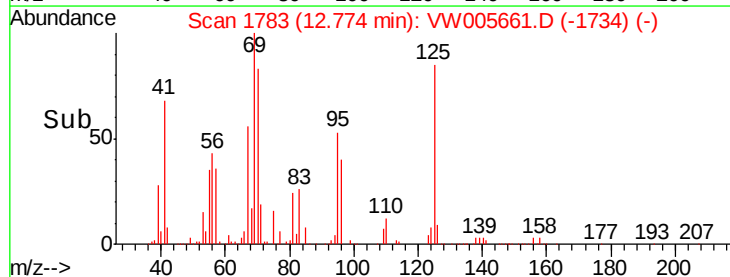
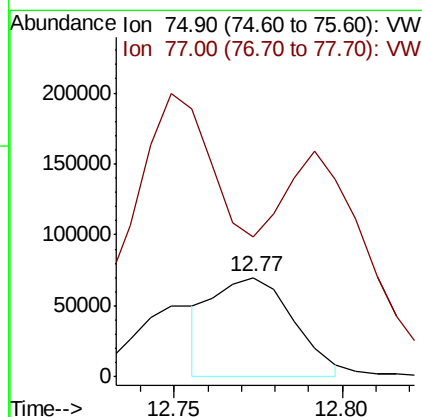
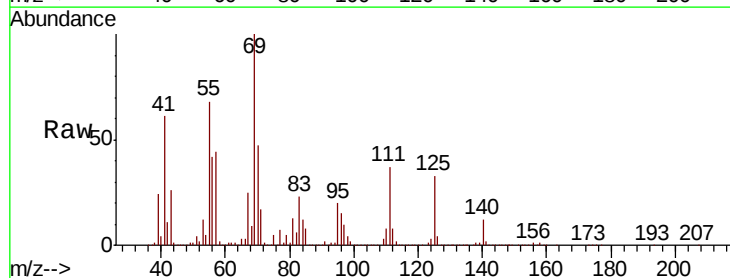
RT: 12.77 min Scan# 1783

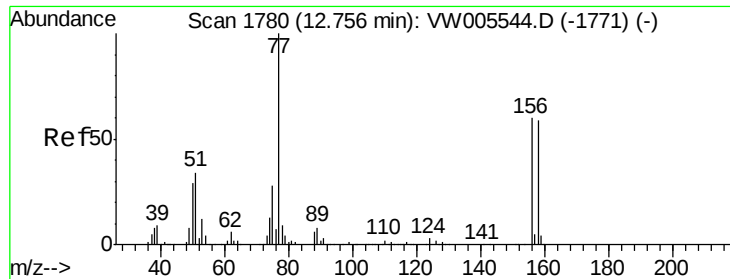
Delta R.T. -0.00 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Tgt Ion	75	Resp	116875
Ion Ratio	100	Lower	Upper
75	100		
77	216.6	0.0	0.0#





#77

Bromobenzene

Concen: 25.101 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Instrument :

MSVOA_W

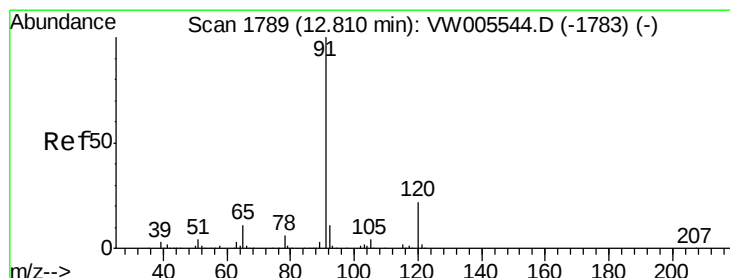
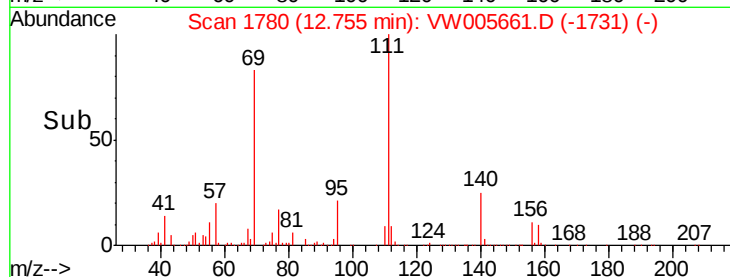
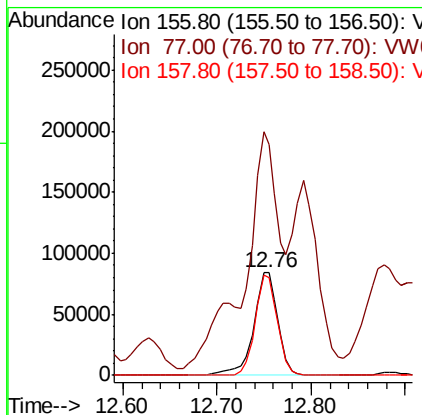
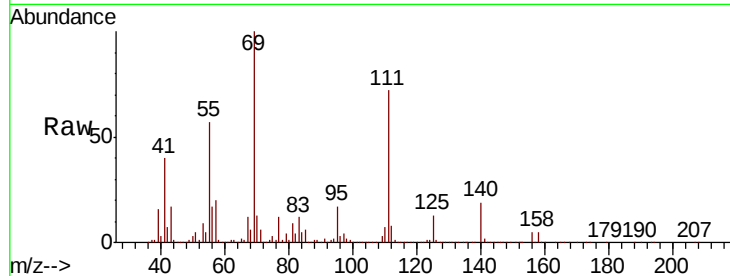
ClientSampleId :

EP1-Q1-G3

Tot Ion	Ratio	Lower	Upper
156	100		
77	164.9	94.7	284.1
158	89.8	48.0	144.2

Manual Integrations
APPROVED

apatel
9/27/2018 10:33:52 AM



#78

n-propylbenzene

Concen: 14.911 ug/l

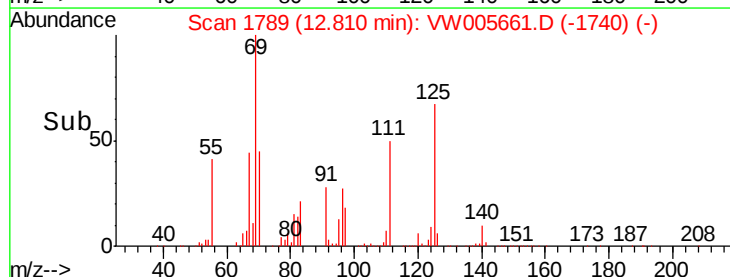
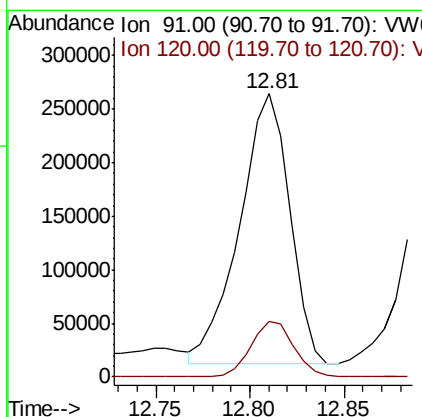
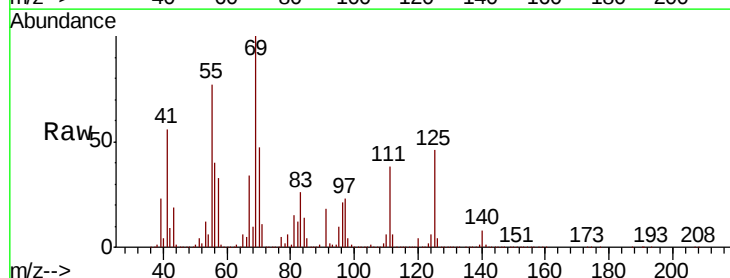
RT: 12.81 min Scan# 1789

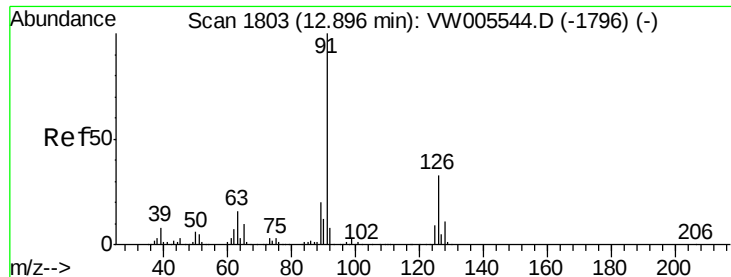
Delta R.T. -0.00 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Tgt Ion	Ratio	Lower	Upper
91	100		
120	17.5	11.2	33.5





#79

2-Chlorotoluene

Concen: 26.441 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Instrument :

MSVOA_W

ClientSampled :

EP1-Q1-G3

Tot Ion: 91 Resp: 476571

Ion Ratio Lower Upper

91 100

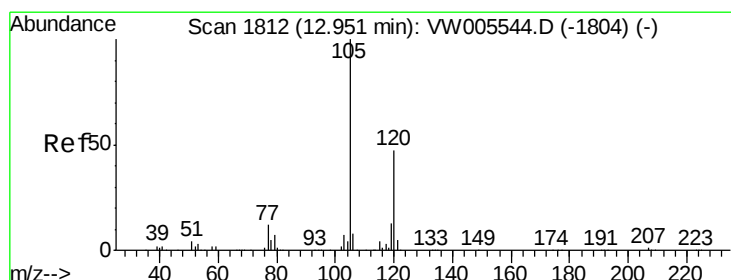
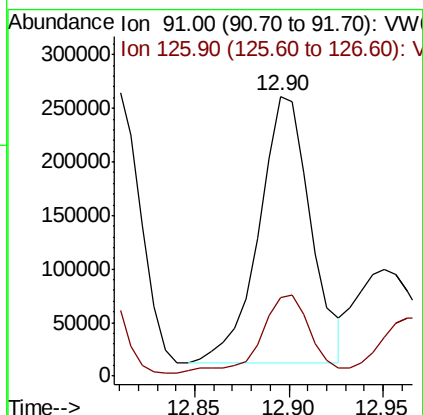
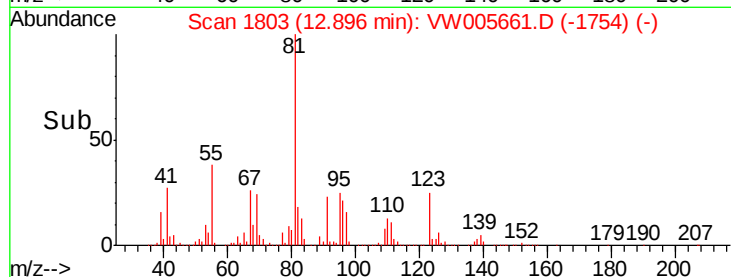
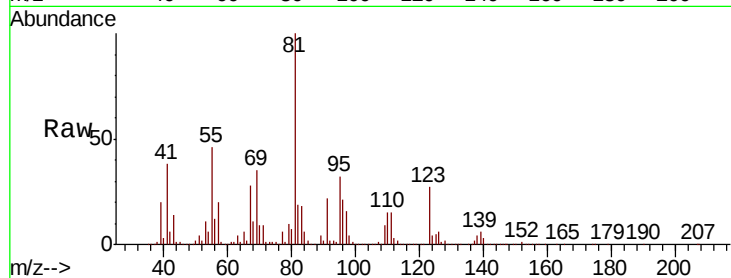
126 28.0 16.4 49.1

Manual Integrations

APPROVED

apatel

9/27/2018 10:33:52 AM



#80

1,3,5-Trimethylbenzene

Concen: 18.444 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005661.D

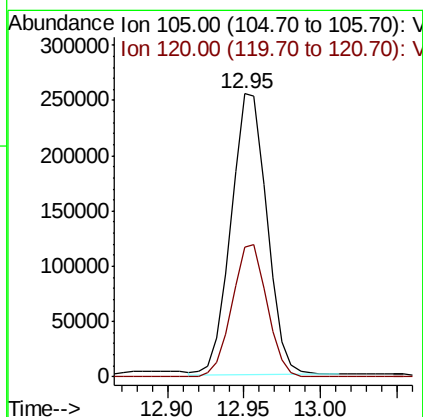
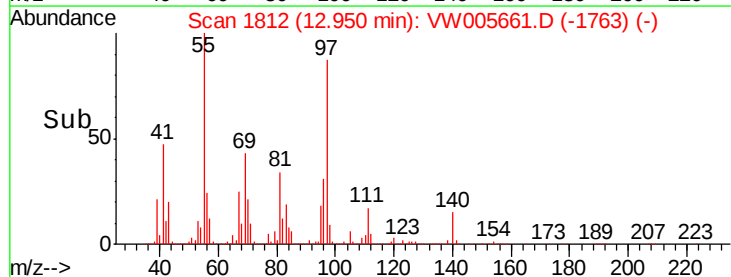
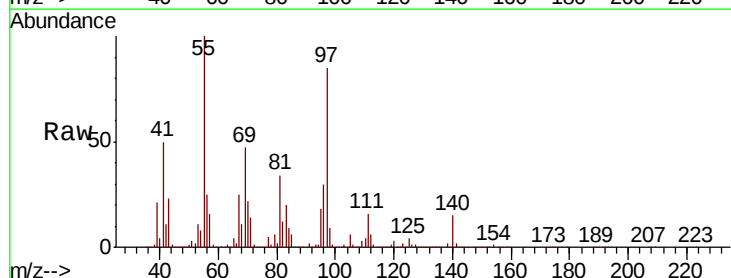
Acq: 26 Sep 2018 18:58

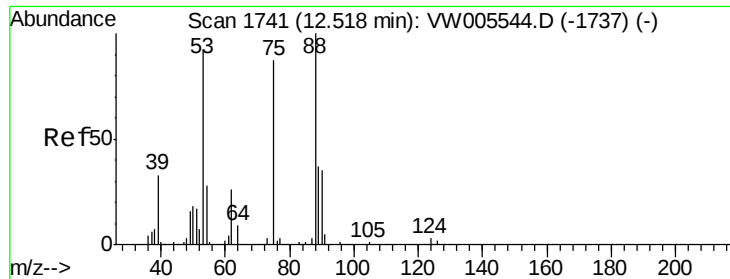
Tgt Ion: 105 Resp: 412677

Ion Ratio Lower Upper

105 100

120 46.1 23.6 70.8





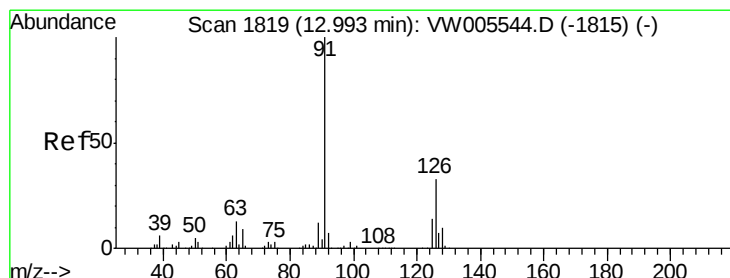
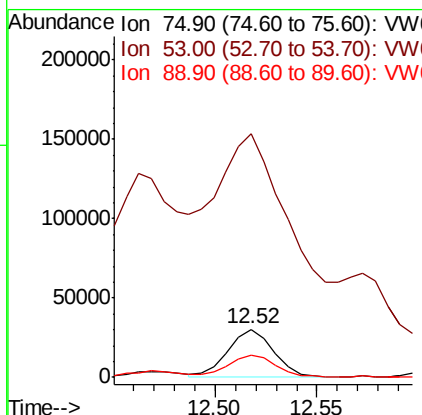
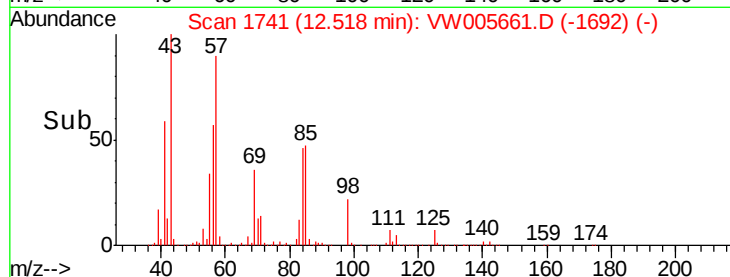
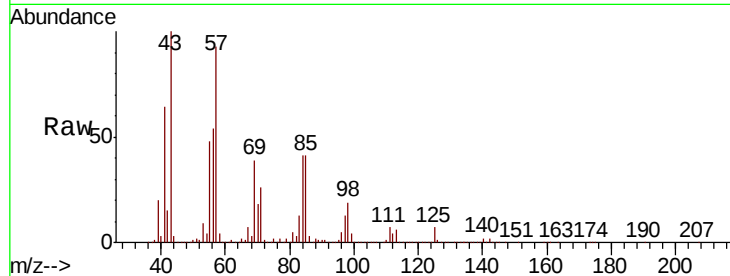
#81
trans-1,4-Dichloro-2-butene
Concen: 32.233 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-G3

Tot Ion	Ratio	Lower	Upper
75	100		
53	405.5	85.8	128.6#
89	46.4	37.3	55.9

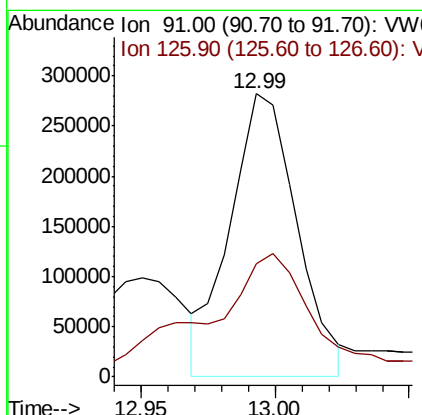
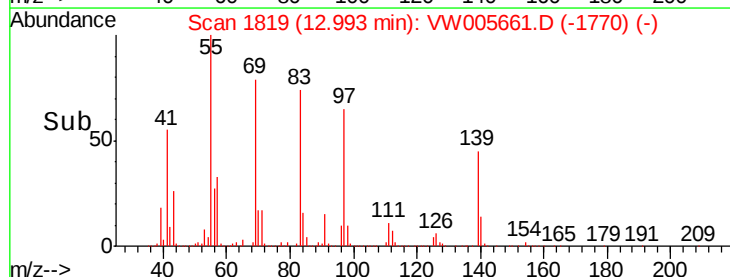
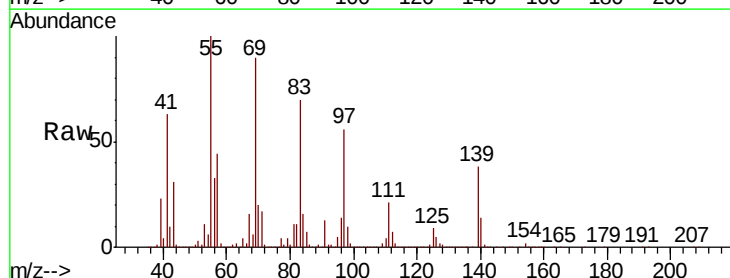
Manual Integrations
APPROVED

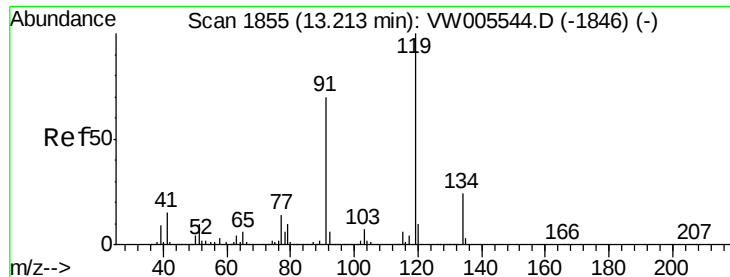
apatel
9/27/2018 10:33:52 AM



#82
4-Chlorotoluene
Concen: 25.775 ug/l m
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.2	16.4	49.4





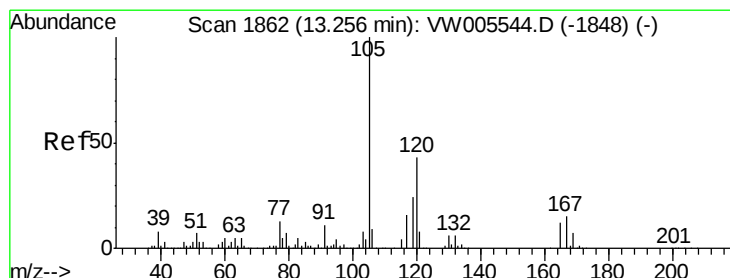
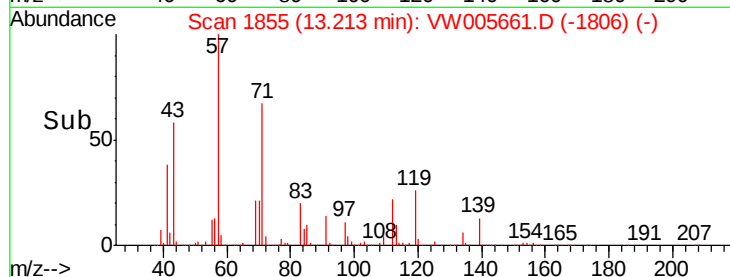
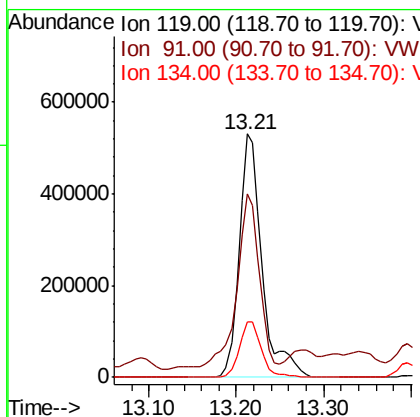
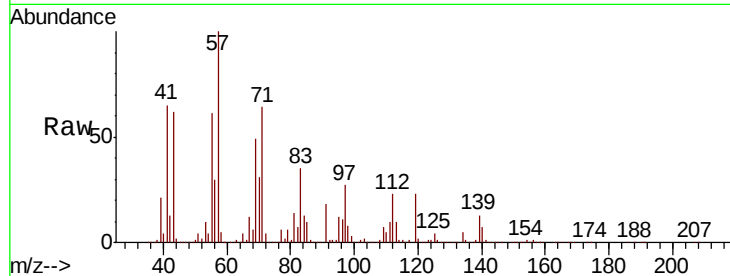
#83
tert-Butylbenzene
Concen: 51.277 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Instrument :
MSVOA_W
ClientSampled :
EP1-Q1-G3

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.8	34.6	103.8
134	22.0	12.6	37.6

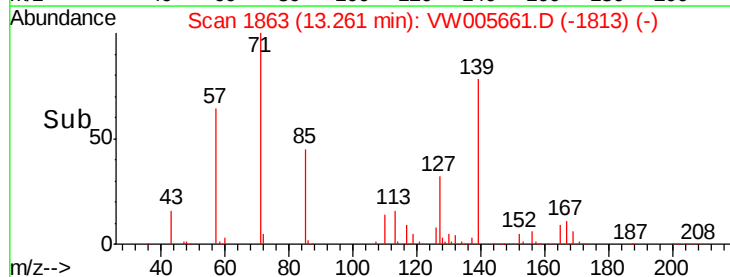
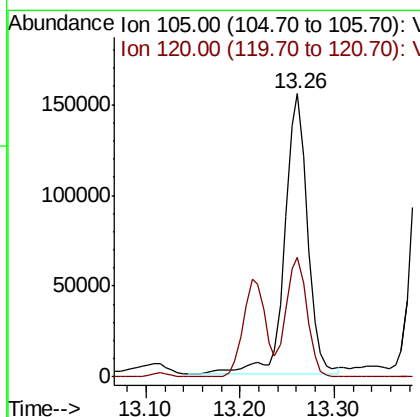
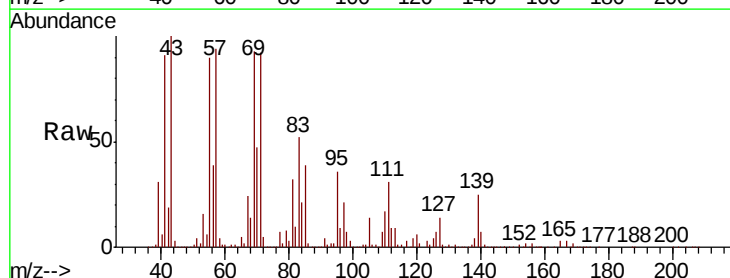
Manual Integrations
APPROVED

apatel
9/27/2018 10:33:52 AM



#84
1,2,4-Trimethylbenzene
Concen: 11.368 ug/l
RT: 13.26 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	39.3	21.5	64.5





#85

sec-Butylbenzene

Concen: 9.221 ug/l

RT: 13.40 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Instrument :

MSVOA_W

ClientSampled :

EP1-Q1-G3

Tot Ion:105 Resp: 251401

Ion Ratio Lower Upper

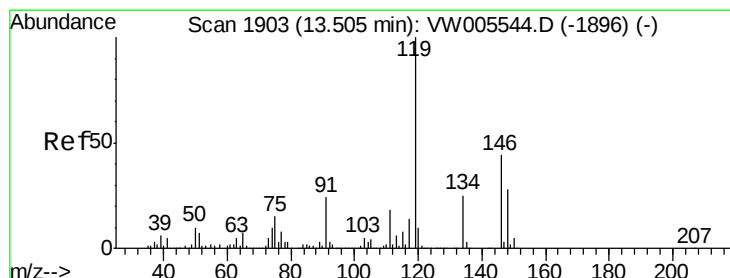
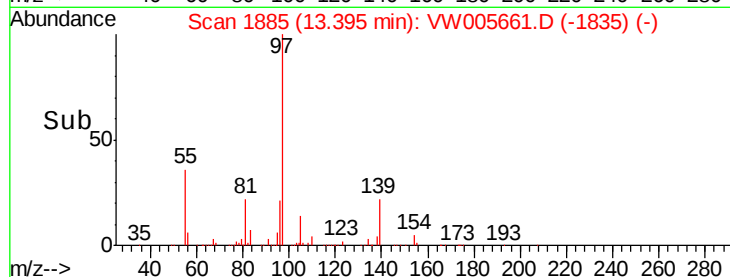
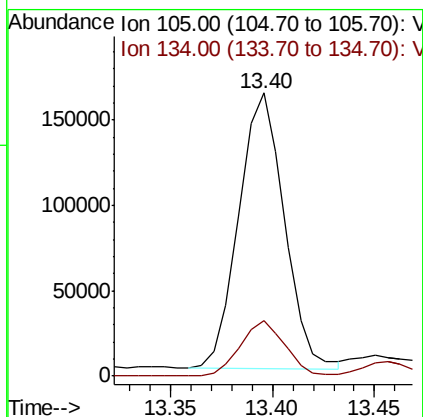
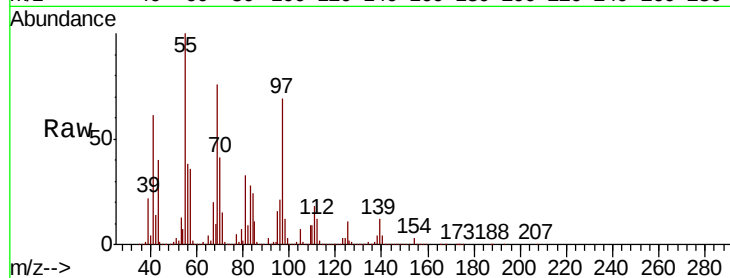
105 100

134 20.0 9.8 29.5

Manual Integrations
APPROVED

apatel

9/27/2018 10:33:52 AM



#86

p-Isopropyltoluene

Concen: 12.264 ug/l

RT: 13.51 min Scan# 1904

Delta R.T. 0.01 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

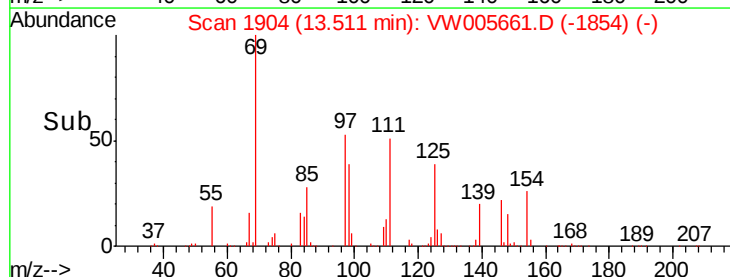
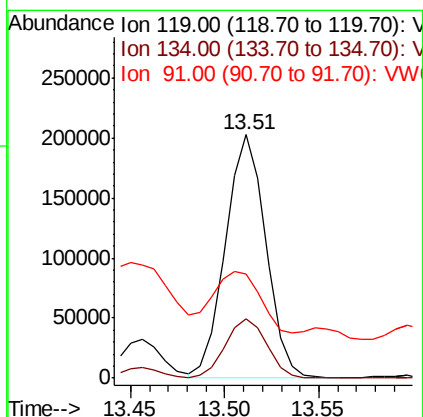
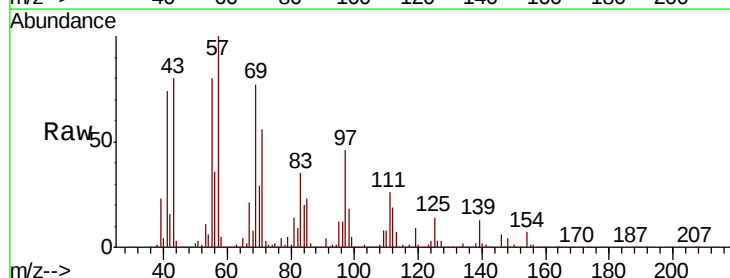
Tgt Ion:119 Resp: 299675

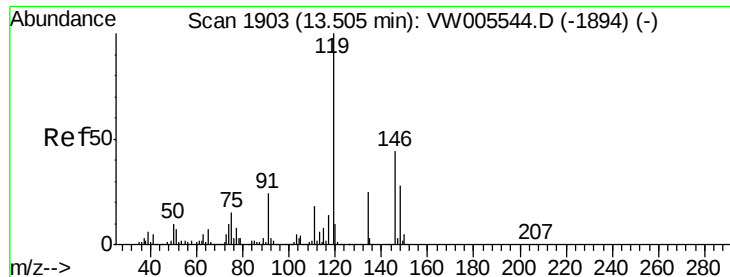
Ion Ratio Lower Upper

119 100

134 25.1 12.7 38.1

91 31.1 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 18.839 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Instrument :

MSVOA_W

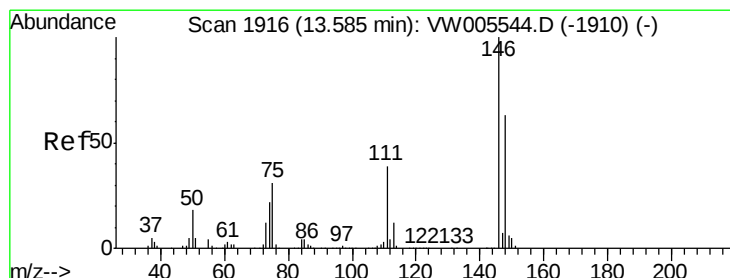
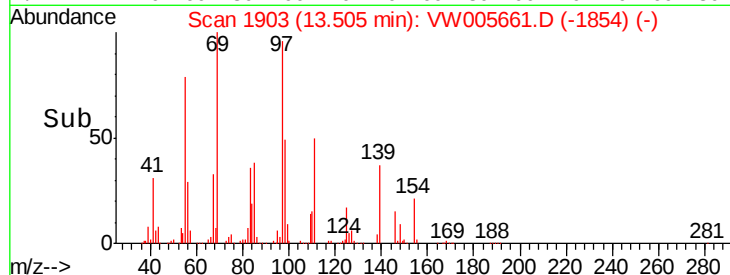
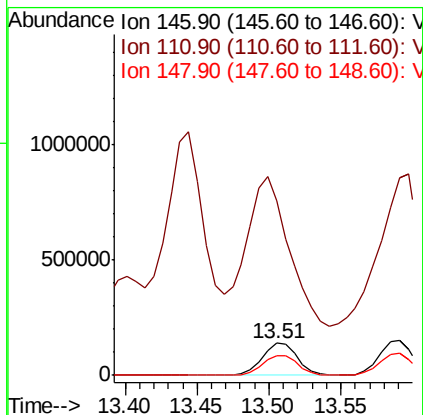
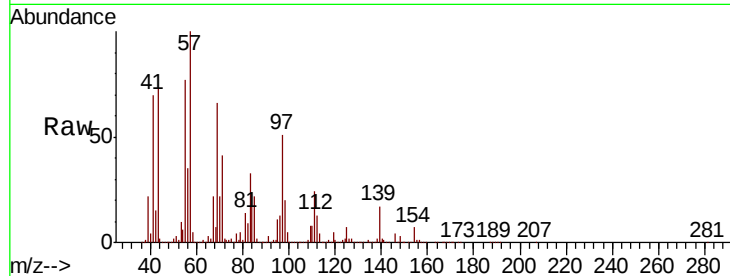
ClientSampled :

EP1-Q1-G3

Tot Ion:	146	Resp:	232326
Ion Ratio	Lower	Upper	
146	100		
111	562.0	20.3	60.9#
148	63.4	31.8	95.4

Manual Integrations
APPROVED

apatel
9/27/2018 10:33:52 AM



#88

1,4-Dichlorobenzene

Concen: 19.777 ug/l

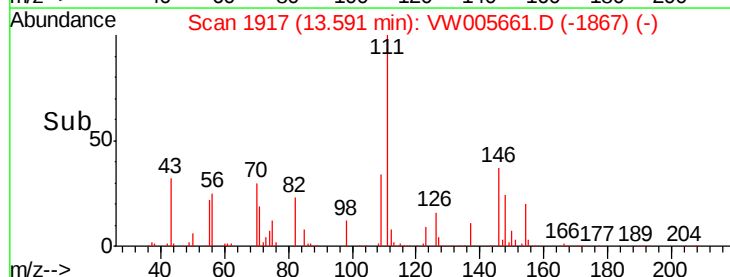
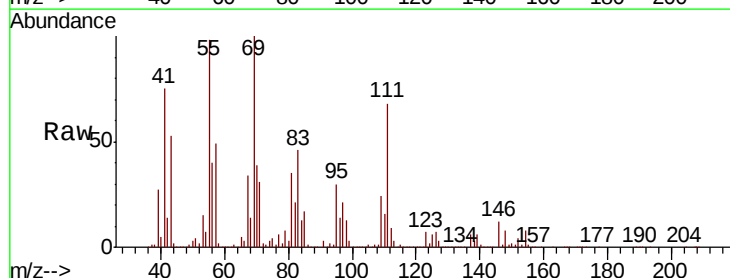
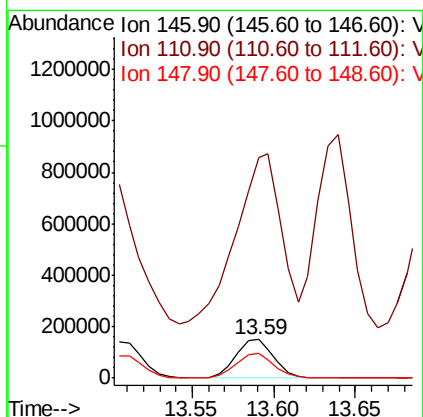
RT: 13.59 min Scan# 1917

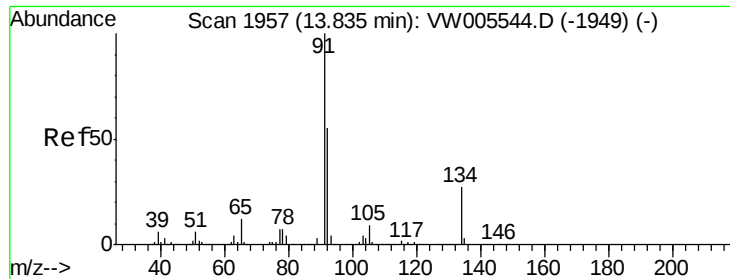
Delta R.T. 0.01 min

Lab File: VW005661.D

Acq: 26 Sep 2018 18:58

Tgt Ion:	146	Resp:	242563
Ion Ratio	Lower	Upper	
146	100		
111	524.9	19.9	59.7#
148	63.8	32.1	96.3





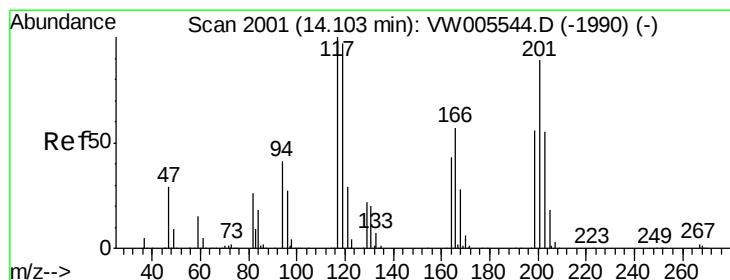
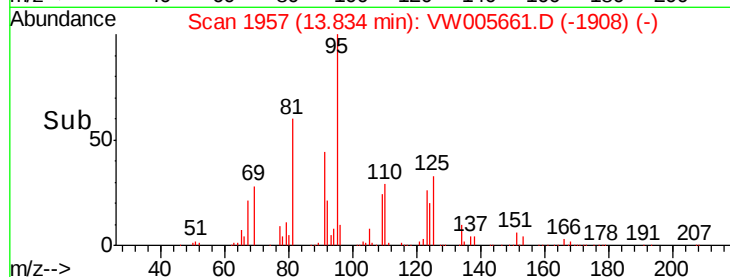
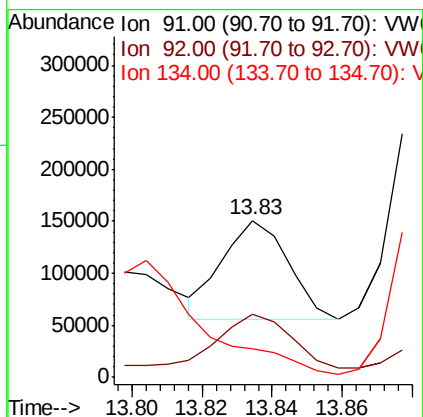
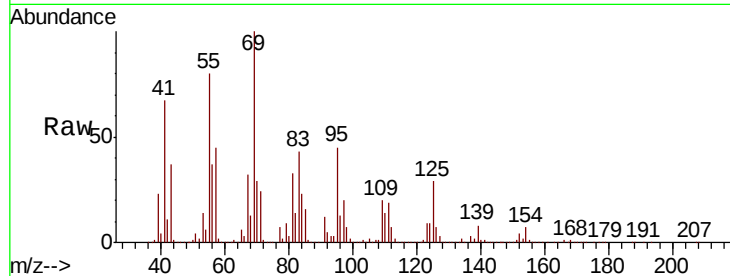
#89
n-Butylbenzene
Concen: 5.428 ug/l
RT: 13.83 min Scan# 1957
Delta R.T. -0.00 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-G3

Tot Ion	Ratio	Lower	Upper
91	100		
92	70.3	26.5	79.5
134	0.0	12.9	38.7#

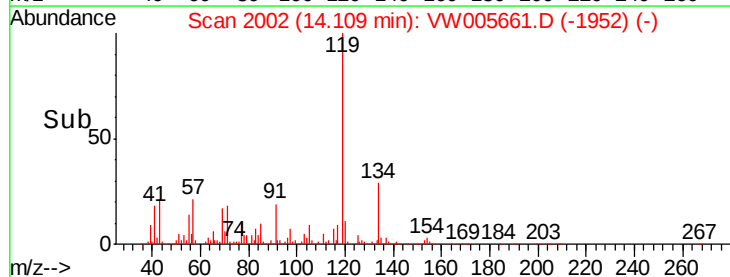
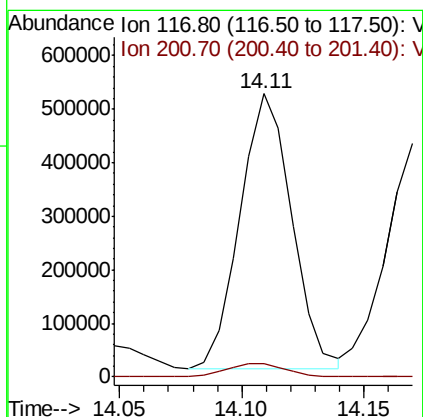
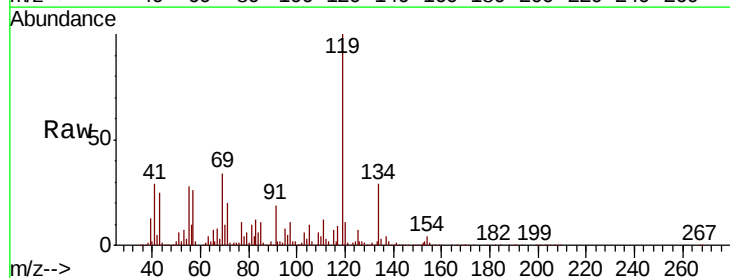
Manual Integrations
APPROVED

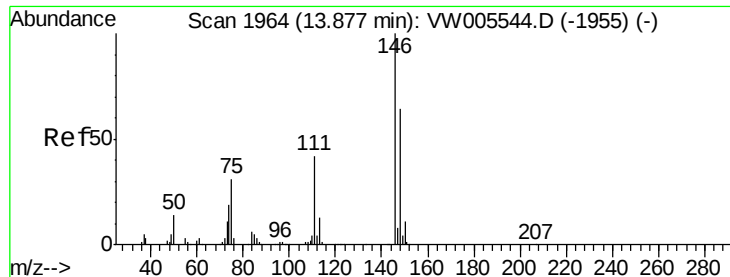
apatel
9/27/2018 10:33:52 AM



#90
Hexachloroethane
Concen: 171.777 ug/l
RT: 14.11 min Scan# 2002
Delta R.T. 0.01 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	5.7	42.8	128.3#





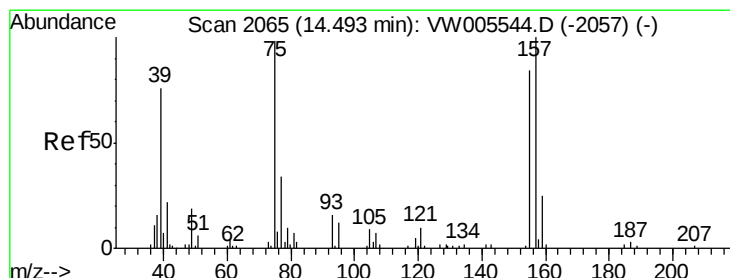
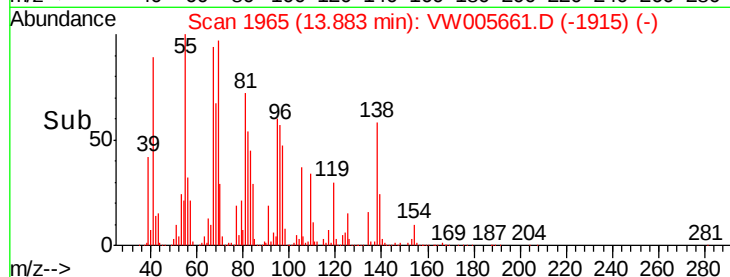
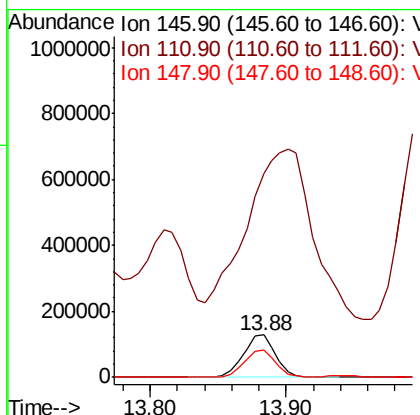
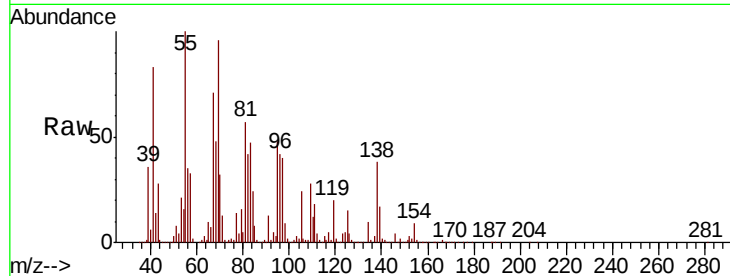
#91
 1,2-Dichlorobenzene
 Concen: 19.387 ug/l
 RT: 13.88 min Scan# 1965
 Delta R.T. 0.01 min
 Lab File: VW005661.D
 Acq: 26 Sep 2018 18:58

Instrument :
 MSVOA_W
 ClientSampleID :
 EP1-Q1-G3

Tot Ion	Ratio	Lower	Upper
146	100		
111	840.8	21.3	63.9#
148	64.7	32.0	96.2

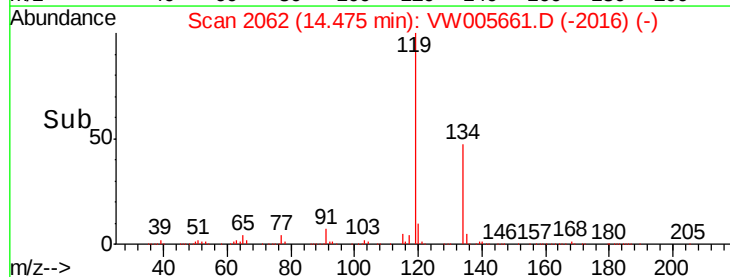
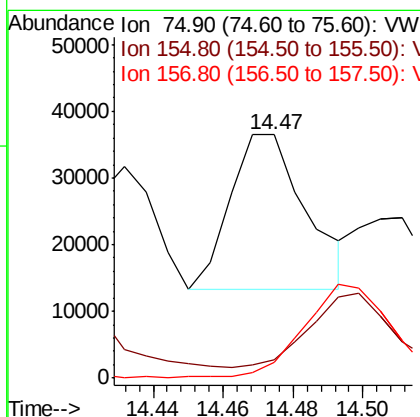
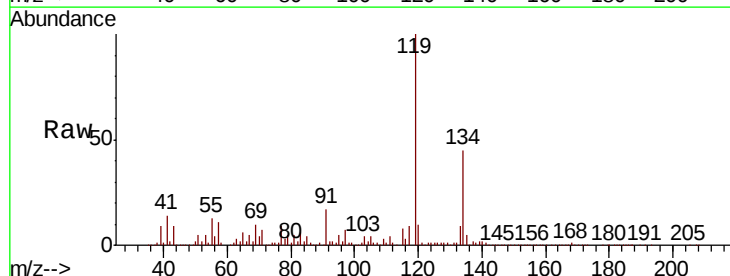
Manual Integrations
 APPROVED

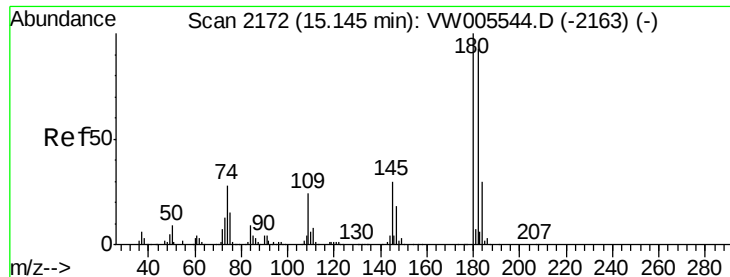
apatel
 9/27/2018 10:33:52 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.726 ug/l
 RT: 14.47 min Scan# 2062
 Delta R.T. -0.02 min
 Lab File: VW005661.D
 Acq: 26 Sep 2018 18:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	0.0	39.1	117.5#
157	0.0	50.8	152.4#





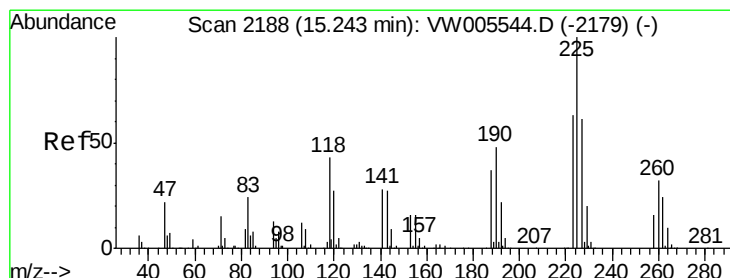
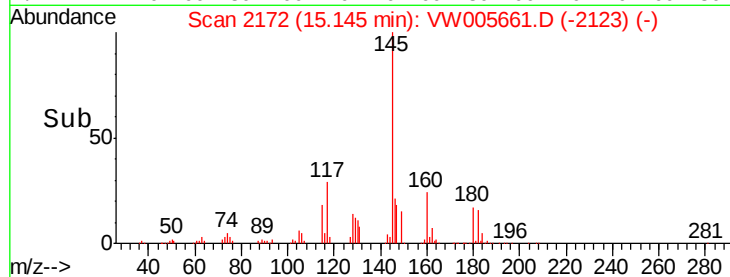
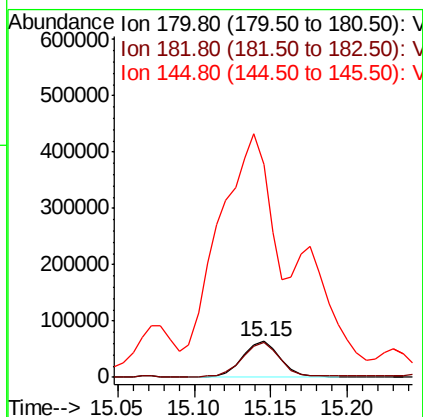
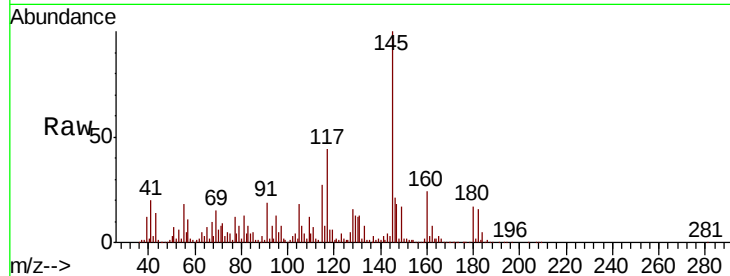
#93
 1,2,4-Trichlorobenzene
 Concen: 13.525 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: VW005661.D
 Acq: 26 Sep 2018 18:58

Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-G3

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.9	47.7	143.1
145	1077.0	15.0	45.1

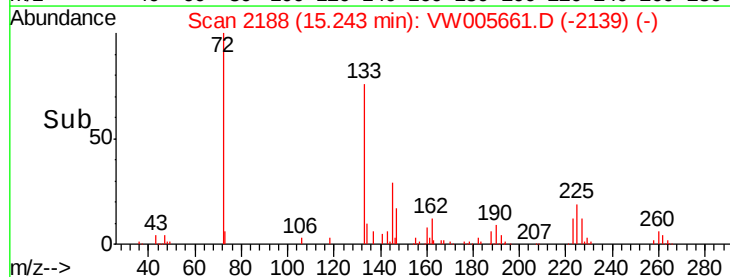
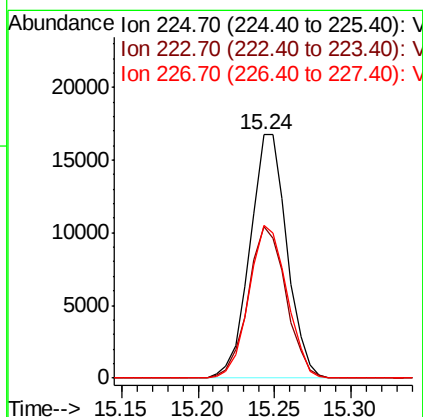
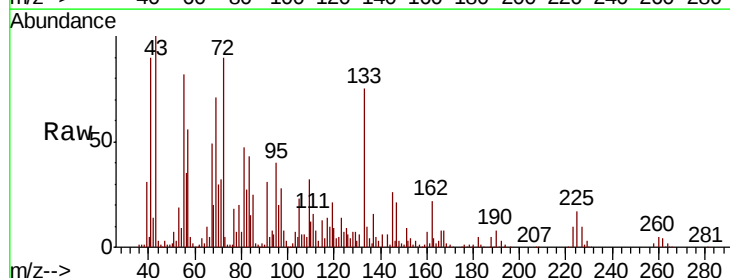
Manual Integrations
 APPROVED

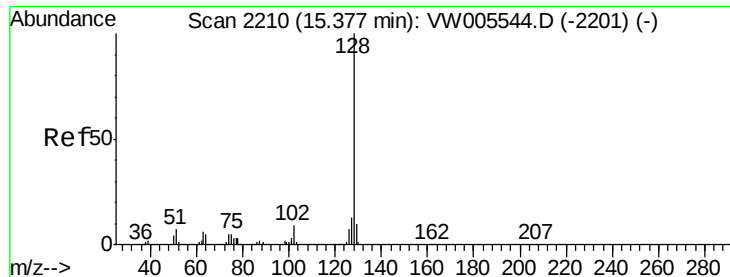
apatel
 9/27/2018 10:33:52 AM



#94
 Hexachlorobutadiene
 Concen: 5.626 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW005661.D
 Acq: 26 Sep 2018 18:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.1	93.3
227	63.8	31.8	95.3





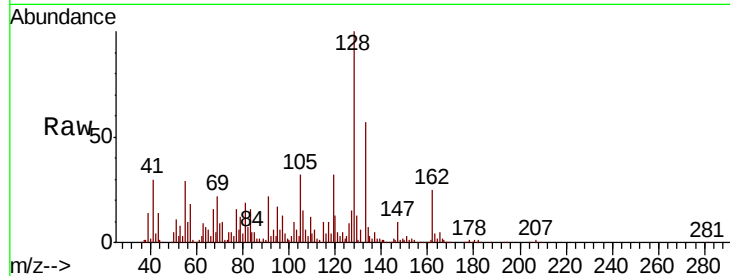
#95
Naphthalene
Concen: 11.211 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Instrument :
MSVOA_W
ClientSampled :
EP1-Q1-G3

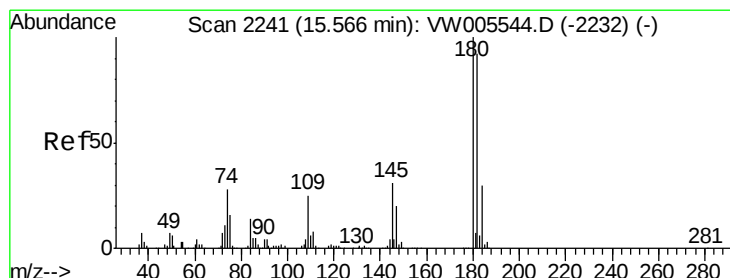
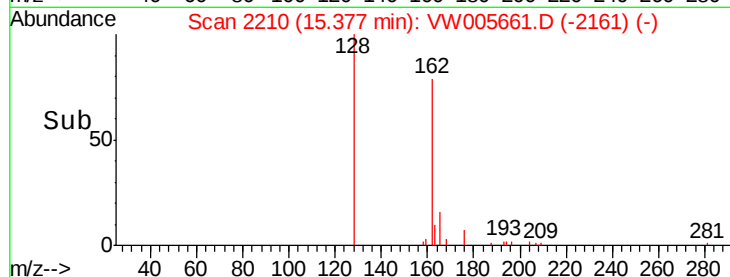
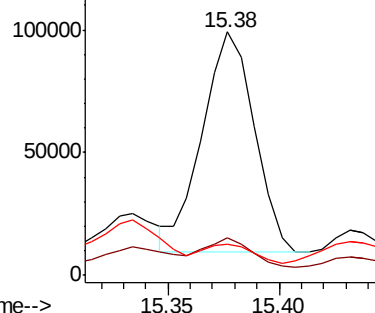
Tot Ion	Ratio	Lower	Upper
128	100		
127	11.6	10.9	16.3
129	8.0	8.6	13.0

Manual Integrations
APPROVED

apatel
9/27/2018 10:33:52 AM

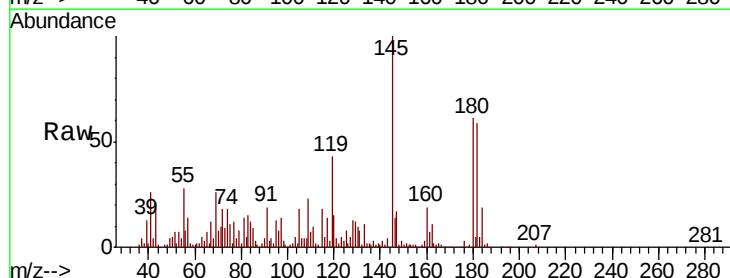


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 14.229 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005661.D
Acq: 26 Sep 2018 18:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.3	141.9
145	309.2	16.0	47.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

