

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100818\
 Data File : VW005893.D
 Acq On : 08 Oct 2018 13:32
 Operator : SY/AP
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 10/9/2018 4:12:26 PM

Quant Time: Oct 09 02:11:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 01:57:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	337414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	504442	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	459110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	243835	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	487681	148.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.78%	
35) Dibromofluoromethane	7.88	113	475412	147.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.22%	
50) Toluene-d8	10.33	98	1836160	148.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.36%	
62) 4-Bromofluorobenzene	12.62	95	686782	145.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	291.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	248801	150.47	ug/l	97
3) Chloromethane	2.21	50	292922	150.61	ug/l	100
4) Vinyl Chloride	2.37	62	452131	146.43	ug/l	98
5) Bromomethane	2.78	94	377530	154.92	ug/l	100
6) Chloroethane	2.92	64	313496	159.36	ug/l	97
7) Trichlorofluoromethane	3.25	101	391360	159.67	ug/l	98
8) Diethyl Ether	3.68	74	218848	145.08	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	441977	142.89	ug/l	99
10) Methyl Iodide	4.26	142	747518	147.77	ug/l	100
11) Tert butyl alcohol	5.21	59	162916	678.65	ug/l	99
12) 1,1-Dichloroethene	4.03	96	430242	144.85	ug/l	99
13) Acrolein	3.89	56	140634	657.40	ug/l	97
14) Allyl chloride	4.66	41	719165	141.98	ug/l	100
15) Acrylonitrile	5.37	53	480407	731.81	ug/l	100
16) Acetone	4.14	43	415464	635.01	ug/l	98
17) Carbon Disulfide	4.37	76	1335699	148.74	ug/l	100
18) Methyl Acetate	4.67	43	251693	152.45	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	659220	142.66	ug/l	99
20) Methylene Chloride	4.91	84	441643	134.73	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	484179	149.56	ug/l	96
22) Diisopropyl ether	6.31	45	1386788	146.46	ug/l	99
23) Vinyl Acetate	6.26	43	4319634	741.18	ug/l	99
24) 1,1-Dichloroethane	6.21	63	853088	147.22	ug/l	100
25) 2-Butanone	7.18	43	641444	689.30	ug/l	99
26) 2,2-Dichloropropane	7.17	77	535200	131.24	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	543933	148.57	ug/l	98
28) Bromochloromethane	7.51	49	294613	137.74	ug/l	99
29) Tetrahydrofuran	7.53	42	425763	723.77	ug/l	100
30) Chloroform	7.68	83	884700	148.64	ug/l	99
31) Cyclohexane	7.95	56	773992	134.97	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	769733	145.22	ug/l	100
36) 1,1-Dichloropropene	8.09	75	693580	143.49	ug/l	100
37) Ethyl Acetate	7.26	43	299238	146.19	ug/l	99
38) Carbon Tetrachloride	8.07	117	759907	146.33	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100818\
 Data File : VW005893.D
 Acq On : 08 Oct 2018 13:32
 Operator : SY/AP
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 10/9/2018 4:12:26 PM

Quant Time: Oct 09 02:11:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 01:57:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	917799	143.96	ug/l	99
40) Benzene	8.32	78	1930296	145.91	ug/l	100
41) Methacrylonitrile	7.49	41	185547	144.79	ug/l	96
42) 1,2-Dichloroethane	8.40	62	585969	146.61	ug/l	100
43) Isopropyl Acetate	8.43	43	634933	148.50	ug/l	100
44) Trichloroethene	9.09	130	568129	148.01	ug/l	98
45) 1,2-Dichloropropane	9.37	63	483107	145.89	ug/l	100
46) Dibromomethane	9.46	93	269761	148.22	ug/l	100
47) Bromodichloromethane	9.65	83	680686	148.63	ug/l	98
48) Methyl methacrylate	9.44	41	303148	148.83	ug/l	99
49) 1,4-Dioxane	9.47	88	82289	2976.67	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	1529761	734.71	ug/l	99
52) Toluene	10.39	92	1286241	148.00	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	713759	149.13	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	794821	147.73	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	373089	148.00	ug/l	100
56) Ethyl methacrylate	10.65	69	509864	150.07	ug/l	99
57) 1,3-Dichloropropane	10.93	76	624120	147.17	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	990377	716.40	ug/l	100
59) 2-Hexanone	10.97	43	1065140	713.46	ug/l	98
60) Dibromochloromethane	11.13	129	489998	150.63	ug/l	100
61) 1,2-Dibromoethane	11.24	107	375065	148.90	ug/l	100
64) Tetrachloroethene	10.87	164	511434	149.55	ug/l	98
65) Chlorobenzene	11.66	112	1432552	145.67	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	539921	149.78	ug/l	99
67) Ethyl Benzene	11.73	91	2505633	144.25	ug/l	98
68) m/p-Xylenes	11.84	106	1972609	290.59	ug/l	99
69) o-Xylene	12.17	106	951400	146.40	ug/l	100
70) Styrene	12.18	104	1591821	147.63	ug/l	100
71) Bromoform	12.35	173	328723	153.10	ug/l #	99
73) Isopropylbenzene	12.47	105	2616050	146.91	ug/l	100
74) N-amyl acetate	12.27	43	629190	148.77	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	429892	147.28	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	335316m	89.85	ug/l	
77) Bromobenzene	12.75	156	630065	149.34	ug/l	99
78) n-propylbenzene	12.81	91	3021657	144.25	ug/l	100
79) 2-Chlorotoluene	12.90	91	1723271	145.73	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	2172749	144.52	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	154433	149.68	ug/l	98
82) 4-Chlorotoluene	12.99	91	1819238	146.22	ug/l	99
83) tert-Butylbenzene	13.21	119	1948734	145.73	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	2186220	144.16	ug/l	100
85) sec-Butylbenzene	13.39	105	2694604	143.56	ug/l	100
86) p-Isopropyltoluene	13.51	119	2431897	144.07	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	1226885	146.37	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1204047	144.56	ug/l	100
89) n-Butylbenzene	13.83	91	2255951	141.79	ug/l	100
90) Hexachloroethane	14.10	117	460800	145.15	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	1085061	145.81	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	79839	146.78	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW100818\
Data File : VW005893.D
Acq On : 08 Oct 2018 13:32
Operator : SY/AP
Sample : VSTDICC150
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

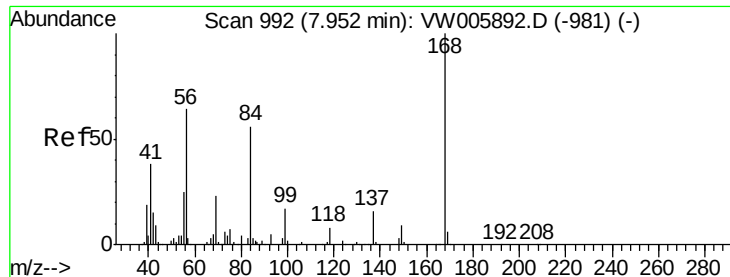
Manual Integrations
APPROVED

apatel
10/9/2018 4:12:26 PM

Quant Time: Oct 09 02:11:52 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 09 01:57:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	827764	143.46	ug/l	100
94) Hexachlorobutadiene	15.24	225	521305	144.75	ug/l	100
95) Naphthalene	15.38	128	1466418	147.44	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	723333	144.78	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tgt Ion: 168 Resp: 337414

Ion Ratio Lower Upper

168 100

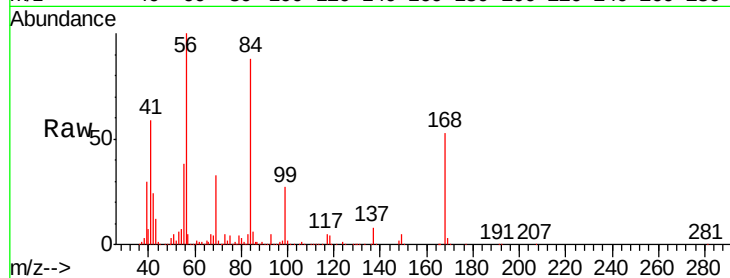
99 51.4 40.9 61.3

Manual Integrations

APPROVED

apatel

10/9/2018 4:12:26 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

200000

150000

100000

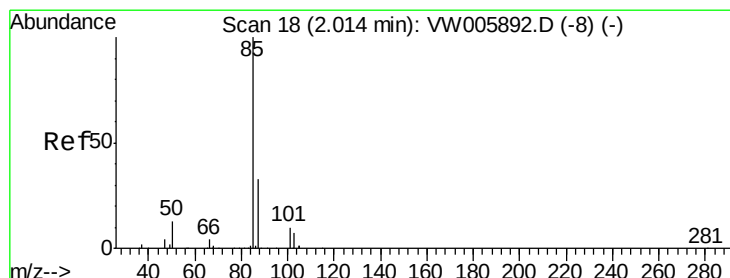
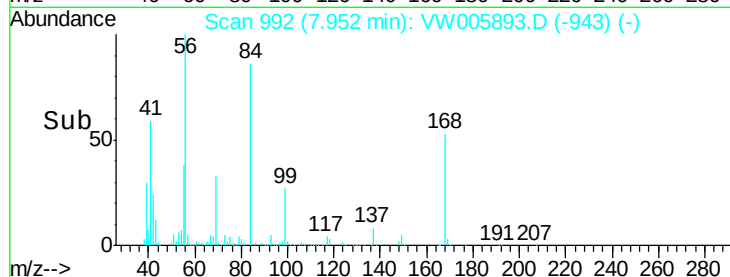
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 150.47 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW005893.D

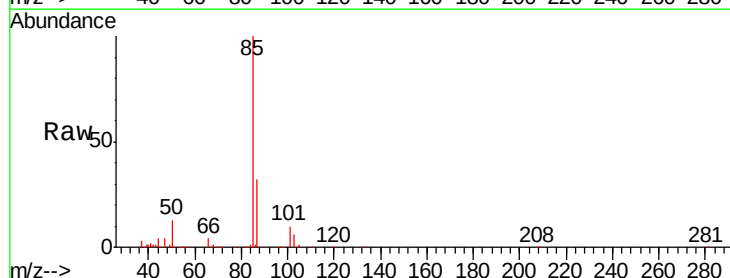
Acq: 08 Oct 2018 13:32

Tgt Ion: 85 Resp: 248801

Ion Ratio Lower Upper

85 100

87 31.8 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

60000

40000

20000

0

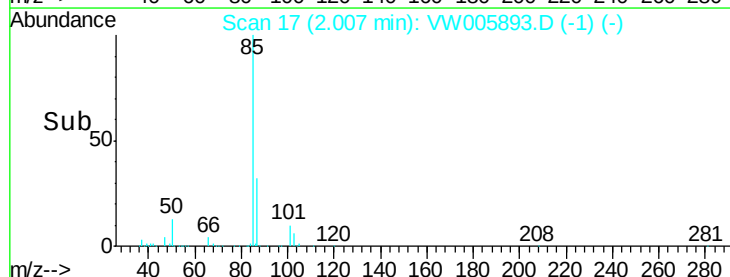
1.80

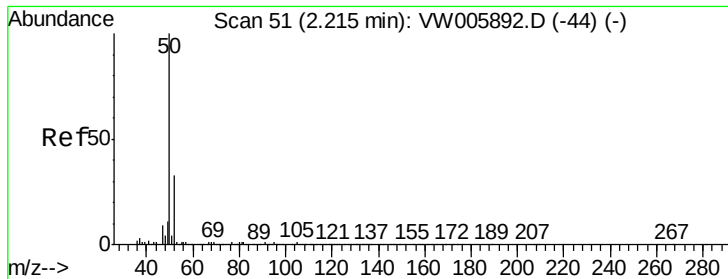
2.00

2.20

2.40

Time-->





#3

Chloromethane

Concen: 150.61 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

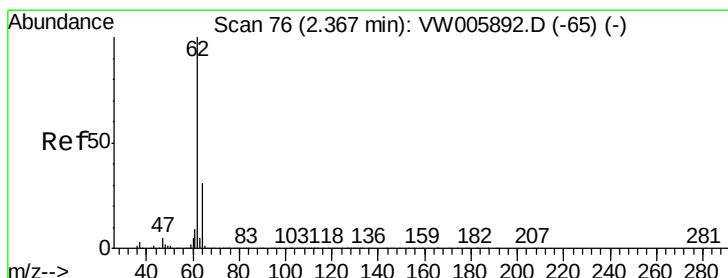
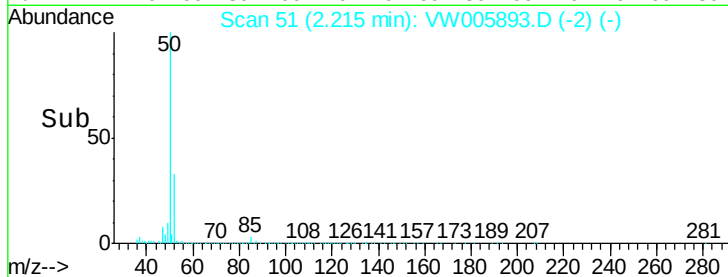
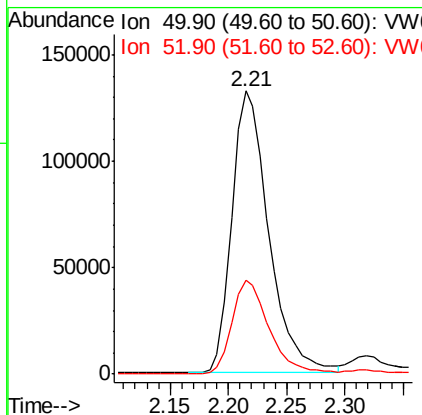
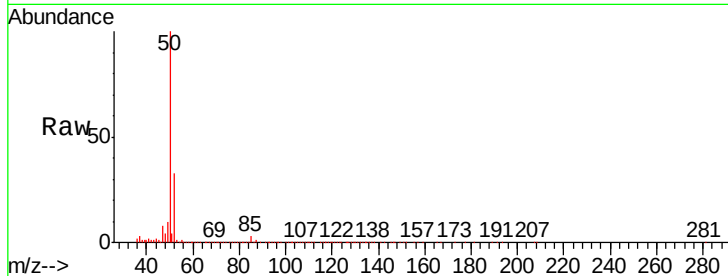
ClientSampleId :

VSTDIC150

Tgt Ion:	50	Resp:	292922
Ion Ratio	Lower	Upper	
50	100		
52	33.2	26.7	40.1

Manual Integrations
APPROVED

apatel
10/9/2018 4:12:26 PM



#4

Vinyl Chloride

Concen: 146.43 ug/l

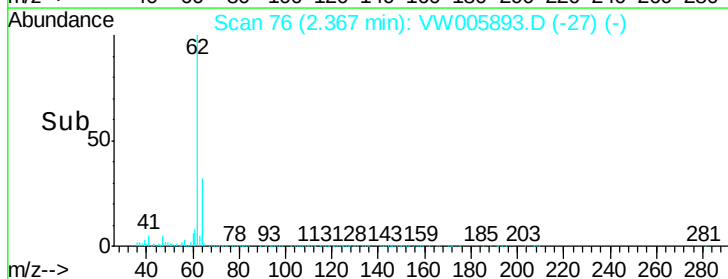
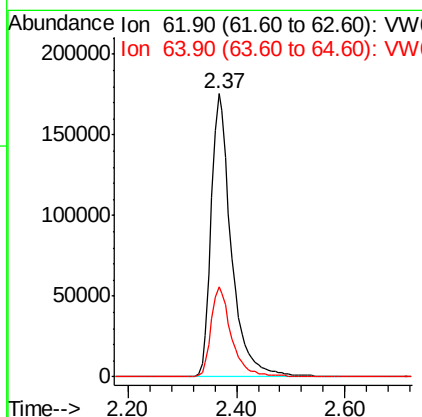
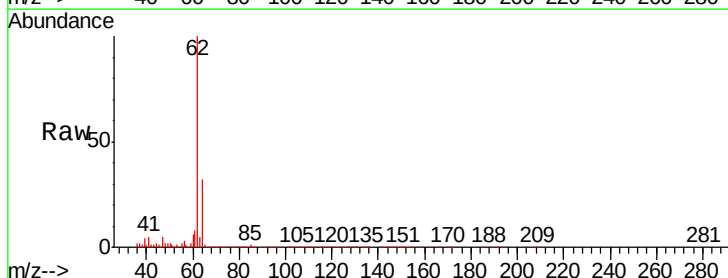
RT: 2.37 min Scan# 76

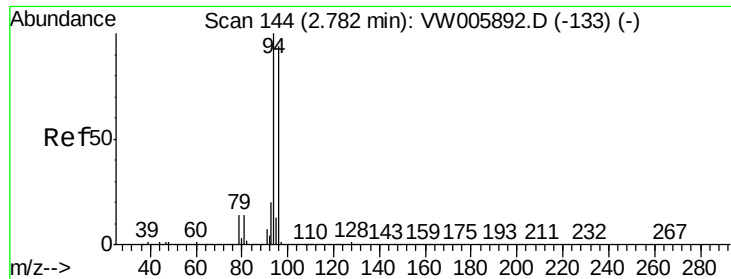
Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Tgt Ion:	62	Resp:	452131
Ion Ratio	Lower	Upper	
62	100		
64	31.7	24.6	36.8





#5

Bromomethane

Concen: 154.92 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 94 Resp: 377530

Ion Ratio Lower Upper

94 100

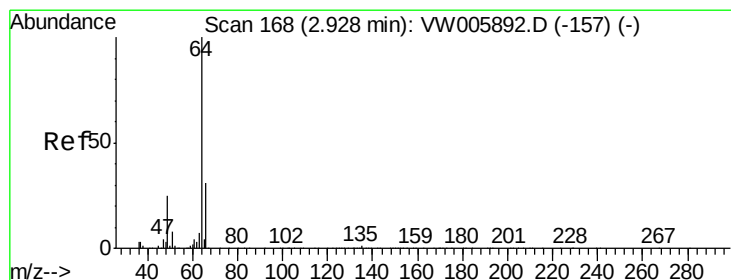
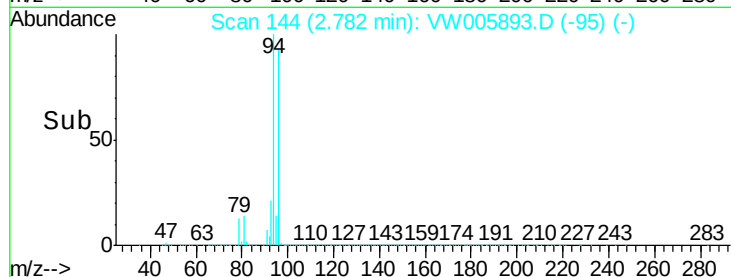
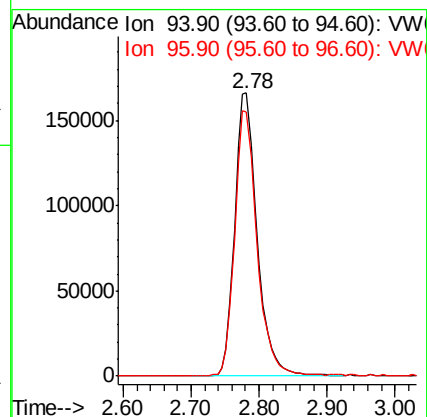
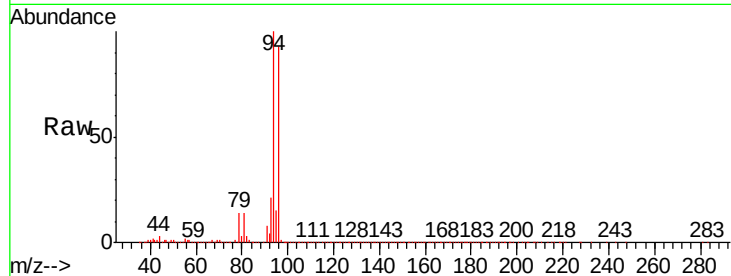
96 93.3 75.0 112.4

Manual Integrations

APPROVED

apatel

10/9/2018 4:12:26 PM



#6

Chloroethane

Concen: 159.36 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW005893.D

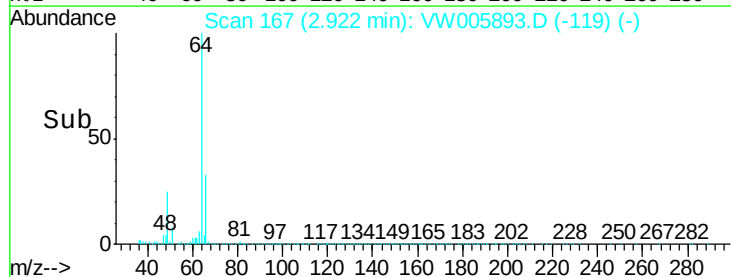
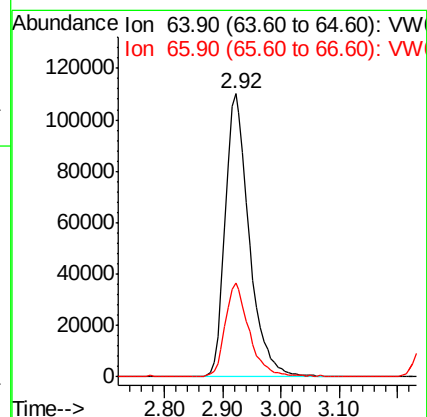
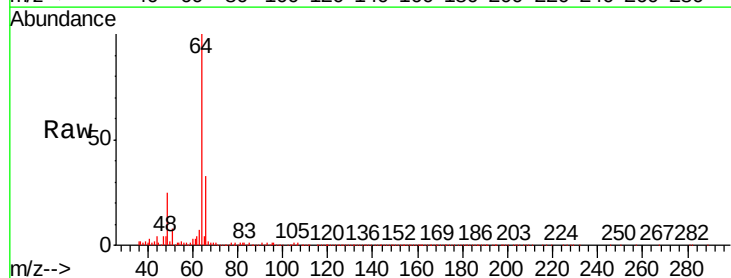
Acq: 08 Oct 2018 13:32

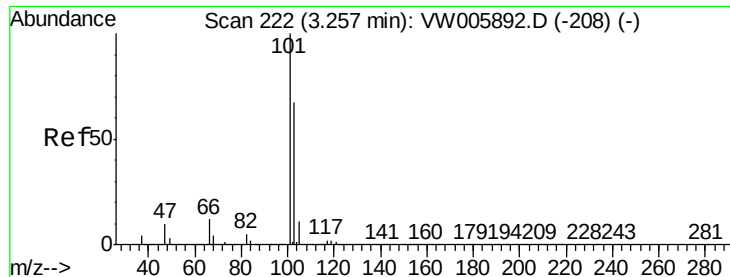
Tgt Ion: 64 Resp: 313496

Ion Ratio Lower Upper

64 100

66 32.9 25.0 37.4





#7

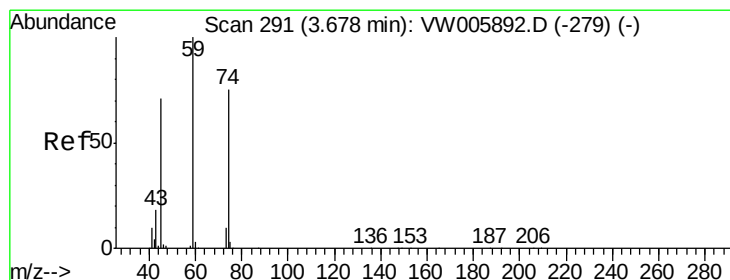
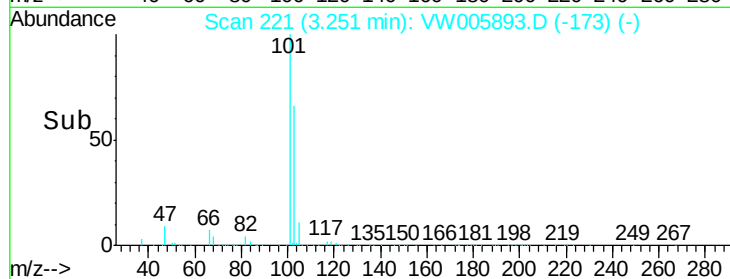
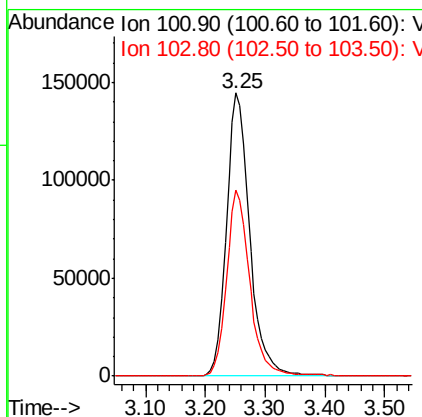
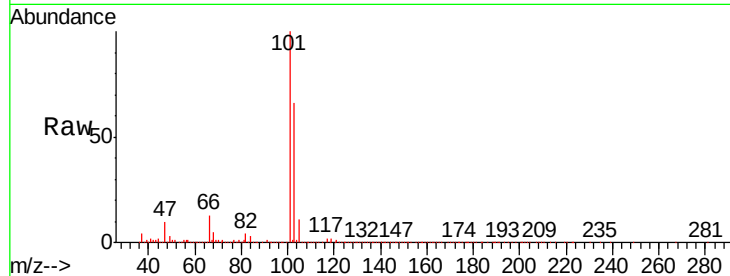
Trichlorofluoromethane
Concen: 159.67 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	391360		
103	65.6	53.5	80.3	

Manual Integrations
APPROVED

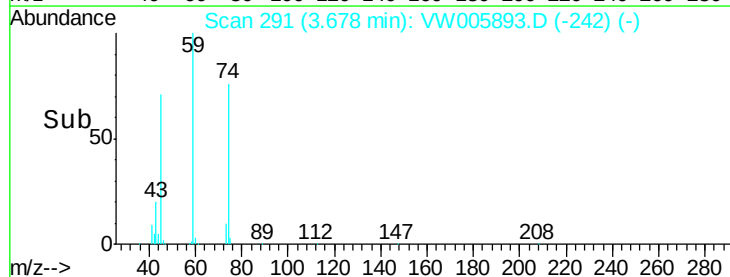
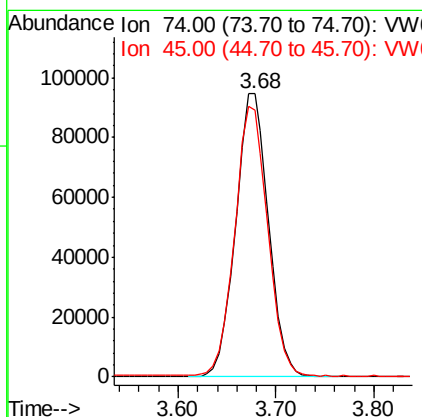
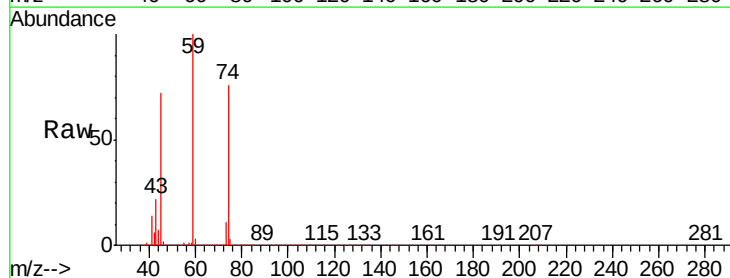
apatel
10/9/2018 4:12:26 PM

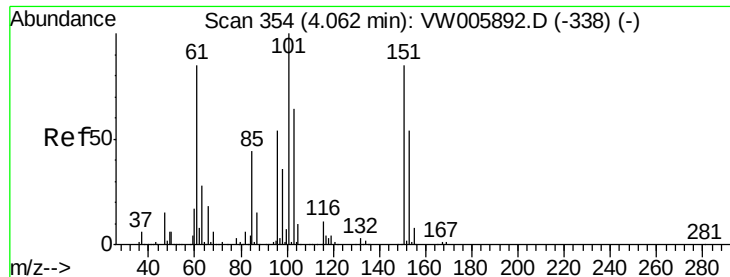


#8

Diethyl Ether
Concen: 145.08 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	218848		
45	95.7	46.8	140.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 142.89 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

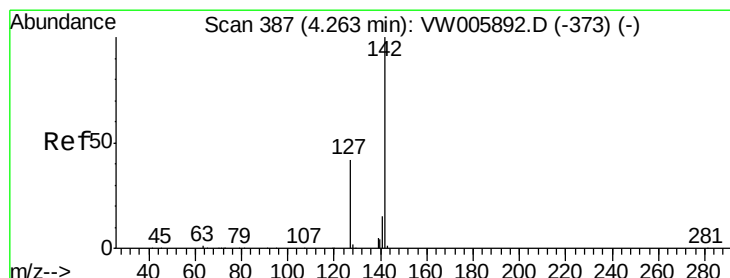
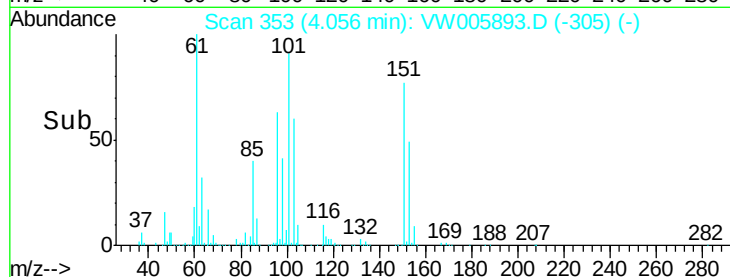
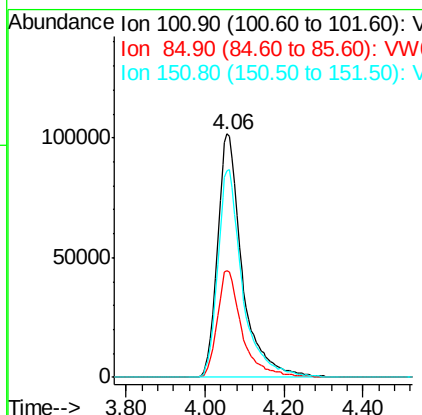
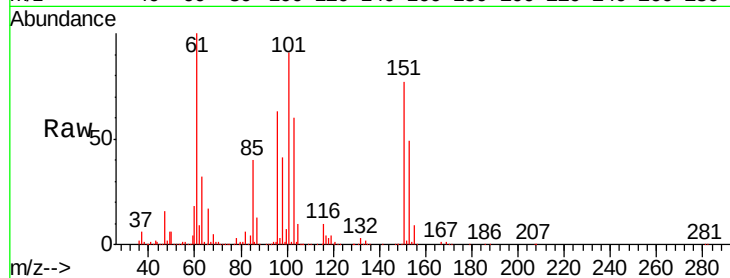
ClientSampleId :

VSTDIC150

Tgt Ion:	101	Resp:	441977
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.1	52.7
151	85.3	67.7	101.5

Manual Integrations
APPROVED

apatel
10/9/2018 4:12:26 PM



#10

Methyl Iodide

Concen: 147.77 ug/l

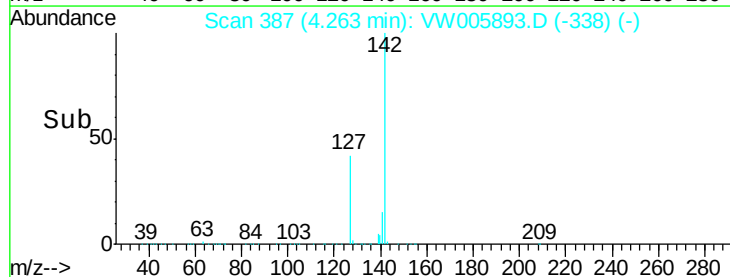
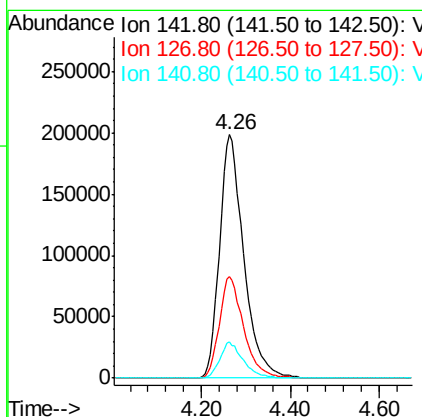
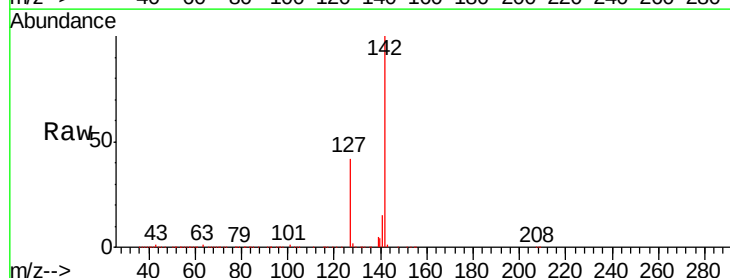
RT: 4.26 min Scan# 387

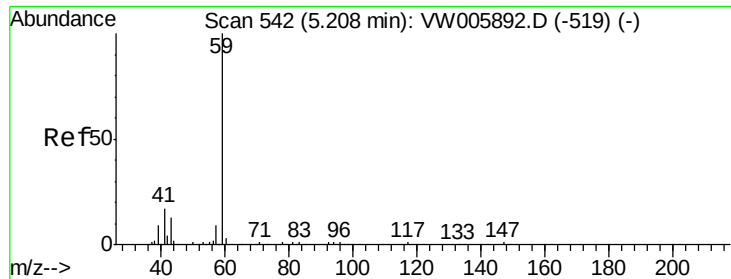
Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Tgt Ion:	142	Resp:	747518
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.7	50.5
141	14.4	11.5	17.3





#11

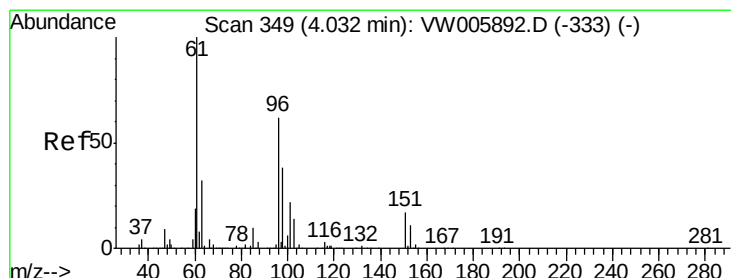
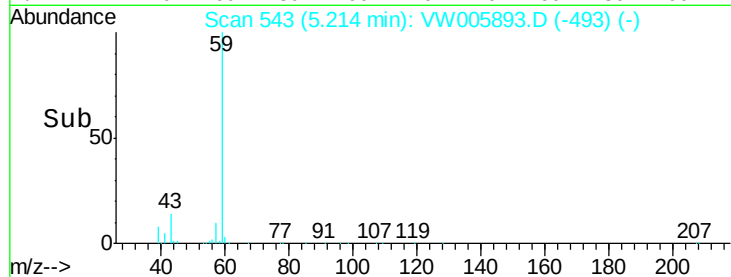
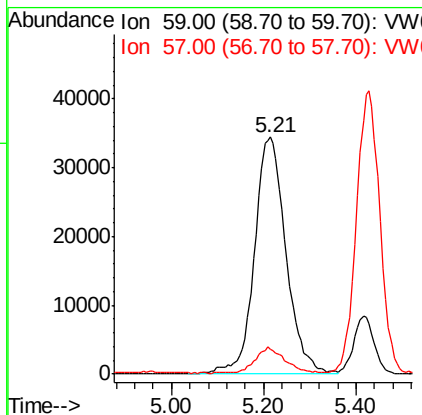
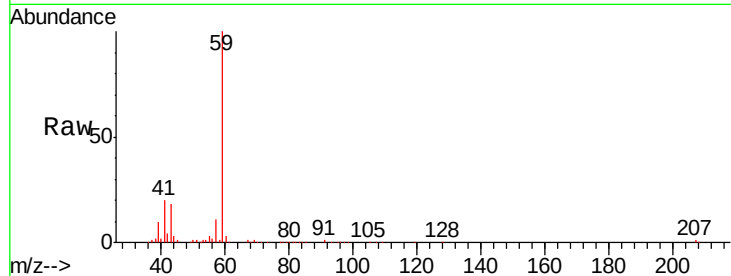
Tert butyl alcohol
Concen: 678.65 ug/l
RT: 5.21 min Scan# 543
Delta R.T. 0.01 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.7	11.5

Manual Integrations
APPROVED

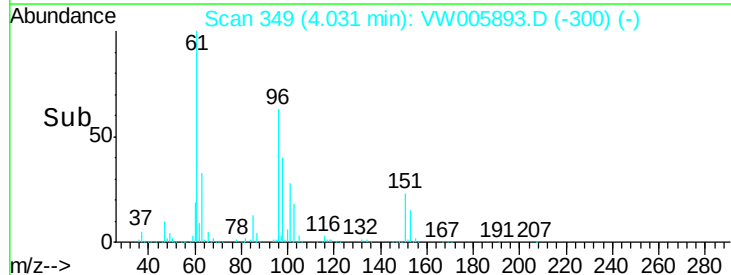
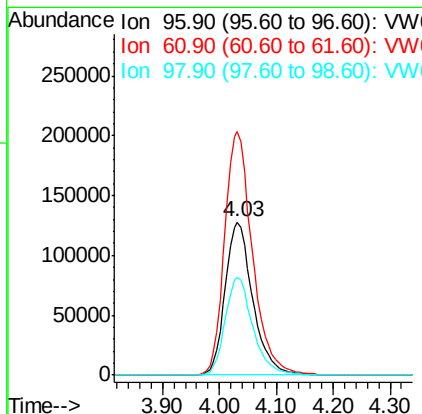
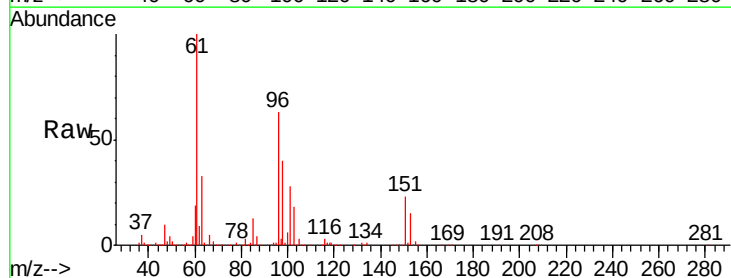
apatel
10/9/2018 4:12:26 PM

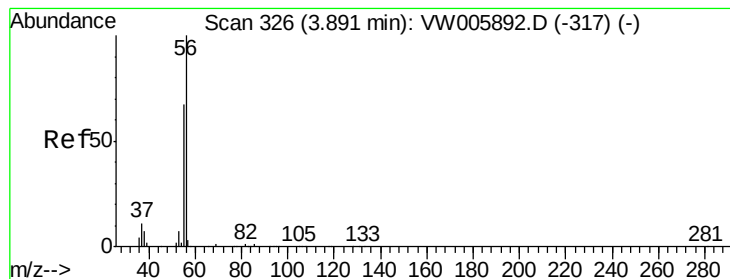


#12

1,1-Dichloroethene
Concen: 144.85 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.5	128.6	193.0
98	63.7	49.4	74.0





#13

Acrolein

Concen: 657.40 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 140634

Ion Ratio Lower Upper

56 100

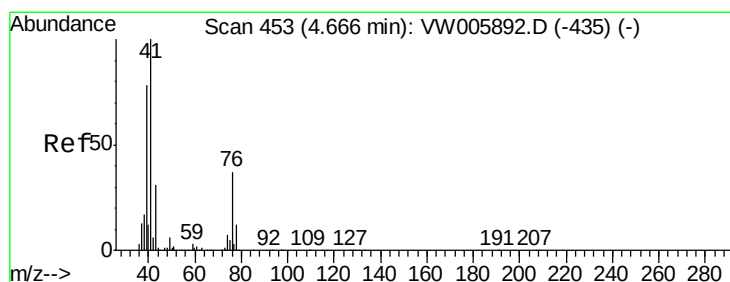
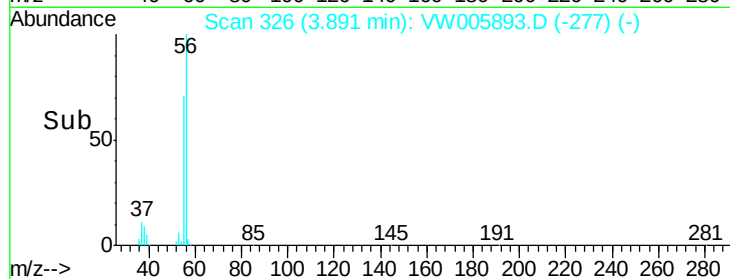
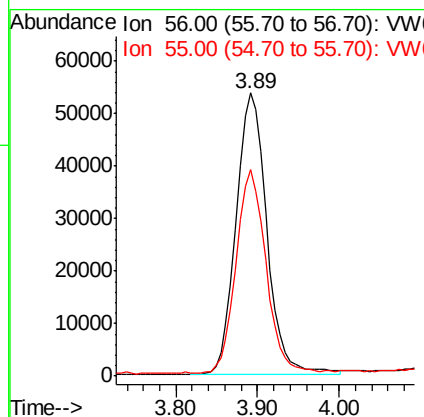
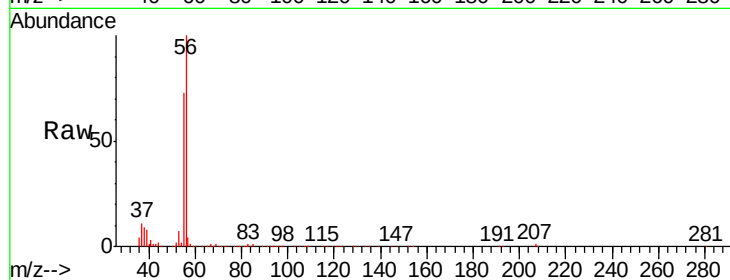
55 70.4 54.6 82.0

Manual Integrations

APPROVED

apatel

10/9/2018 4:12:26 PM



#14

Allyl chloride

Concen: 141.98 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

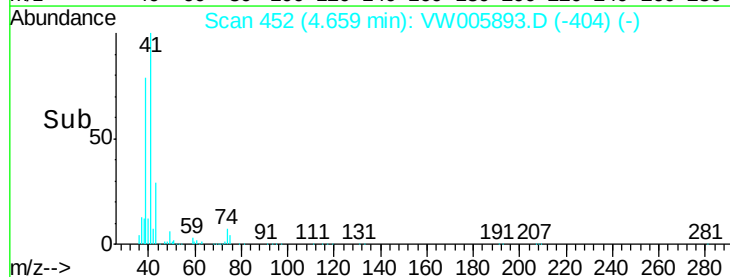
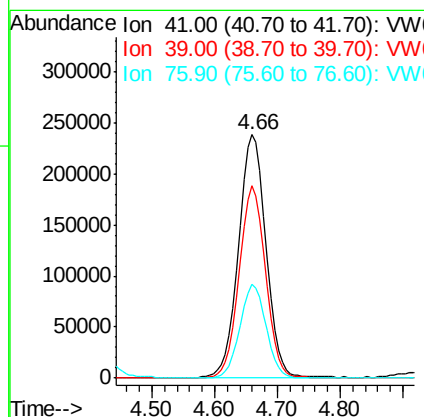
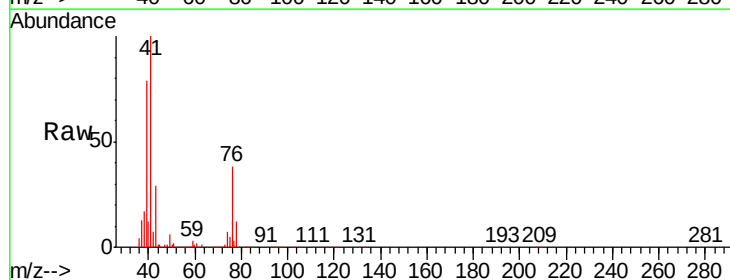
Tgt Ion: 41 Resp: 719165

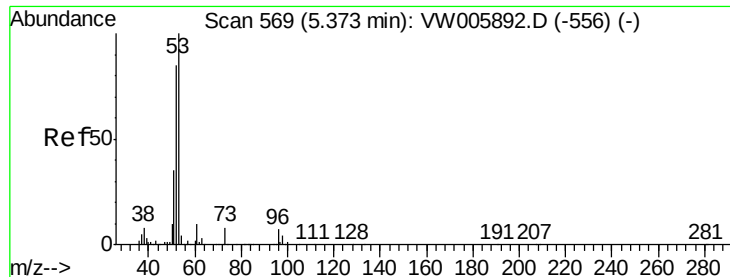
Ion Ratio Lower Upper

41 100

39 76.0 60.8 91.2

76 36.7 29.6 44.4





#15

Acrylonitrile

Concen: 731.81 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

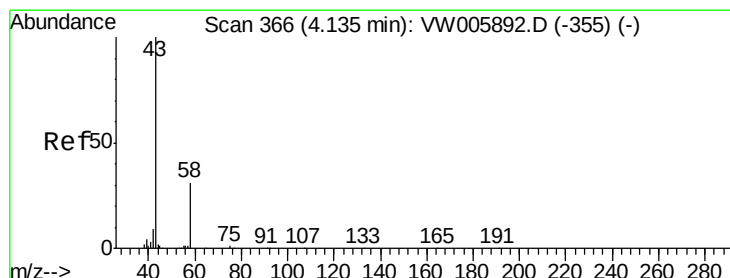
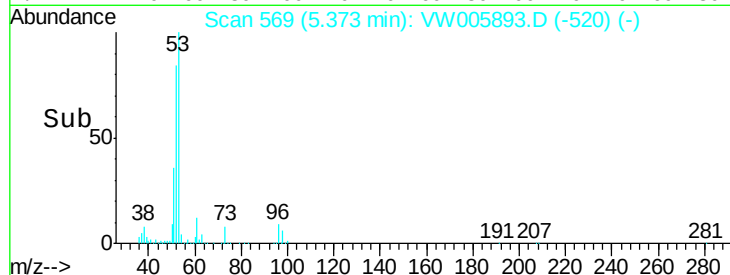
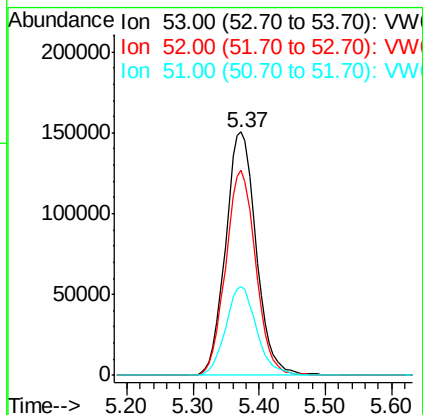
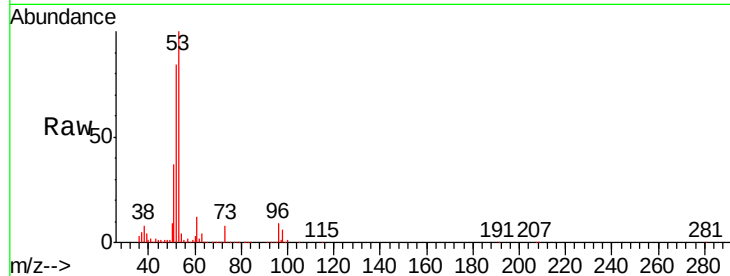
ClientSampleId :

VSTDIC150

Tgt Ion:	53	Resp:	480407
Ion Ratio		Lower	Upper
53	100		
52	83.0	66.8	100.2
51	37.0	29.8	44.6

Manual Integrations
APPROVED

apatel
10/9/2018 4:12:26 PM



#16

Acetone

Concen: 635.01 ug/l

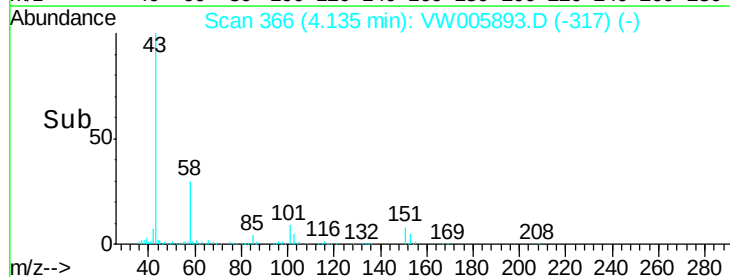
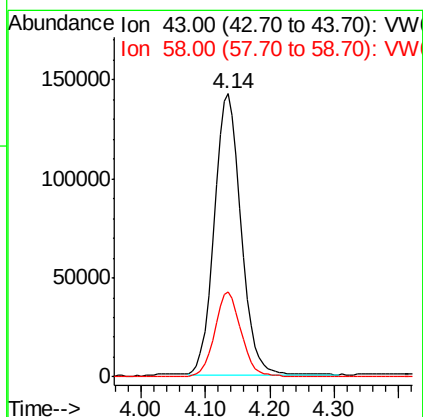
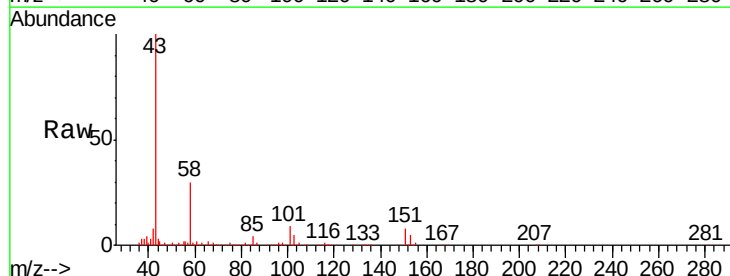
RT: 4.14 min Scan# 366

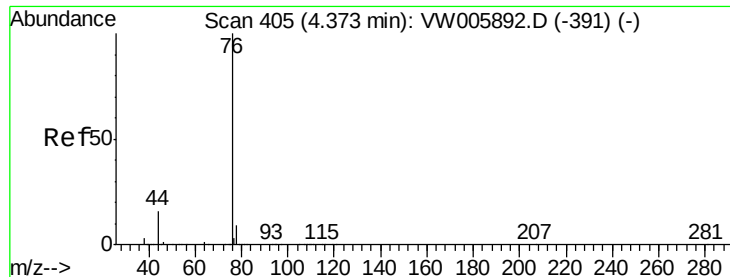
Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Tgt Ion:	43	Resp:	415464
Ion Ratio		Lower	Upper
43	100		
58	29.9	24.7	37.1





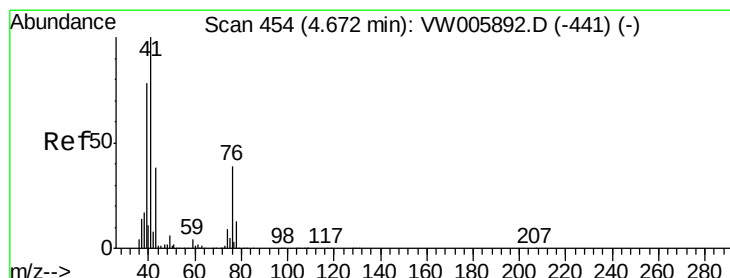
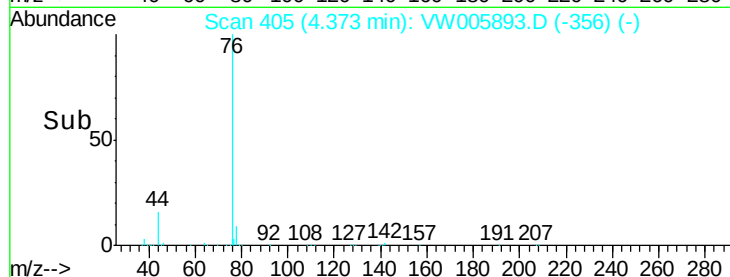
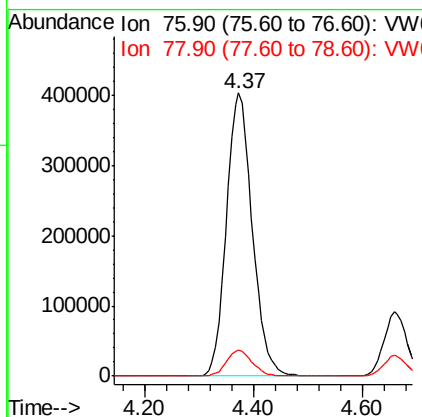
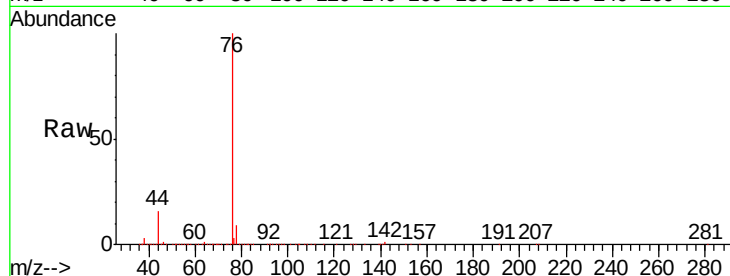
#17
Carbon Disulfide
Concen: 148.74 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 76 Resp: 1335699
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0

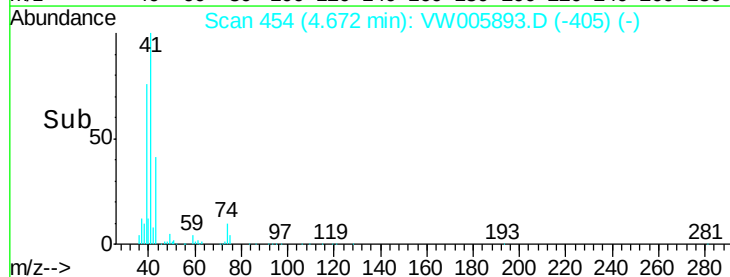
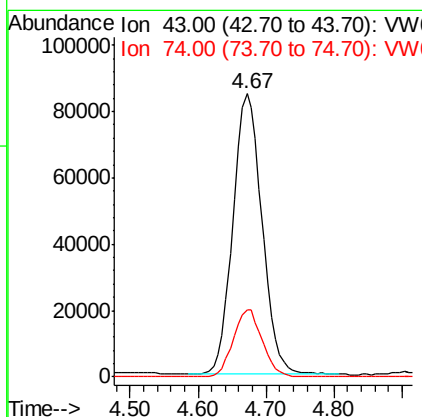
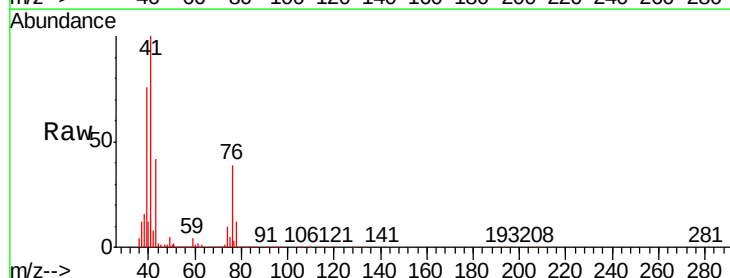
Manual Integrations
APPROVED

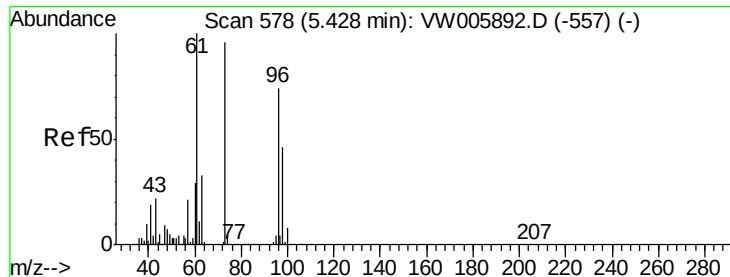
apatel
10/9/2018 4:12:26 PM



#18
Methyl Acetate
Concen: 152.45 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Tgt Ion: 43 Resp: 251693
Ion Ratio Lower Upper
43 100
74 24.0 19.2 28.8





#19

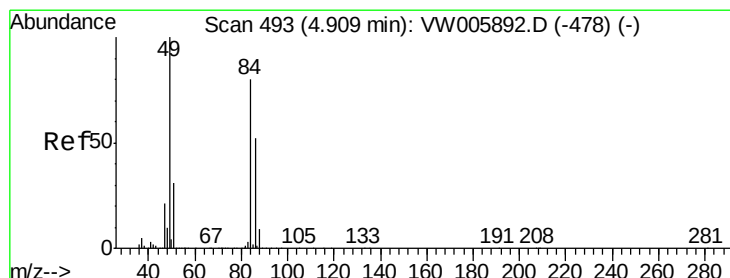
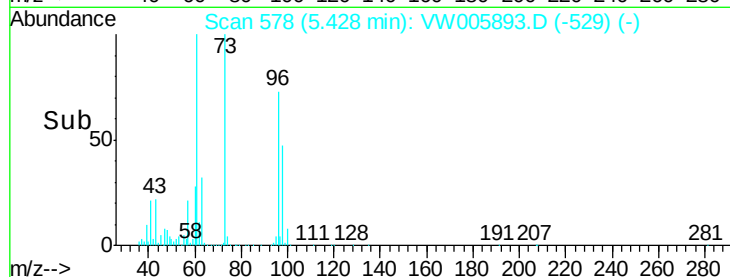
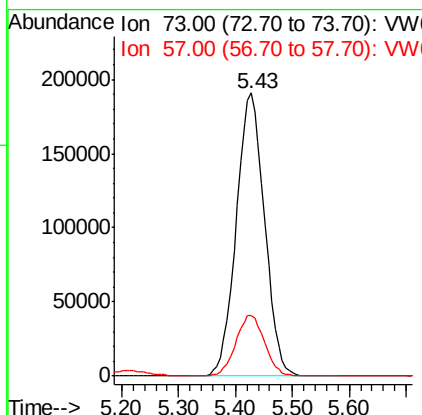
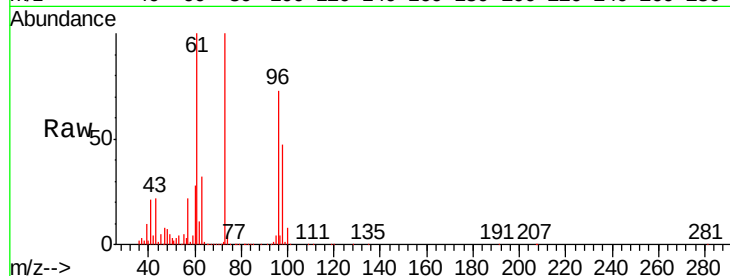
Methyl tert-butyl Ether
 Concen: 142.66 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.7	26.5

Manual Integrations
 APPROVED

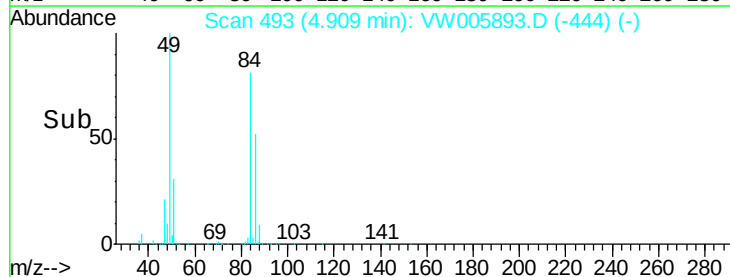
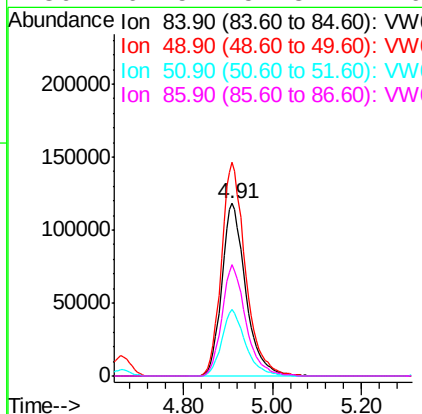
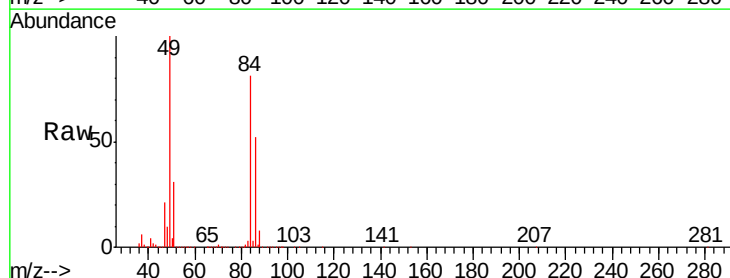
apatel
 10/9/2018 4:12:26 PM

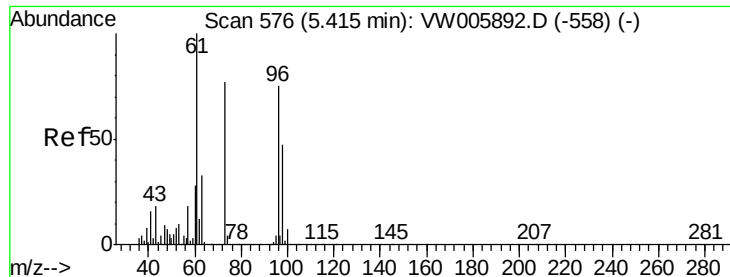


#20

Methylene Chloride
 Concen: 134.73 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.0	99.9	149.9
51	38.6	31.1	46.7
86	64.5	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 149.56 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

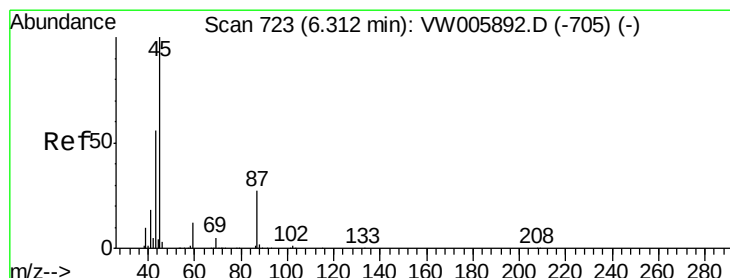
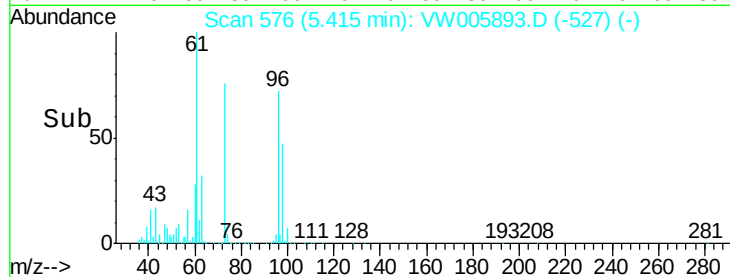
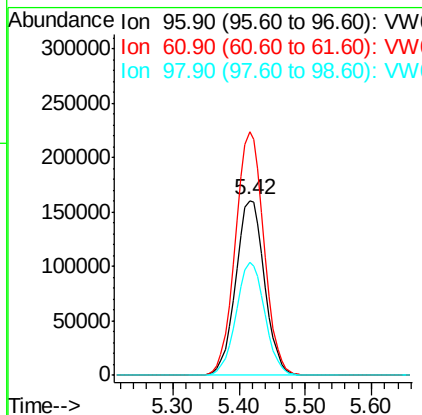
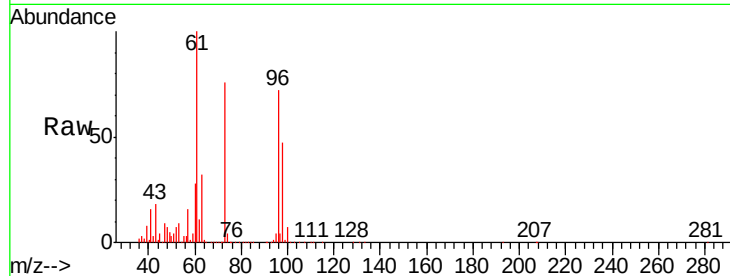
ClientSampleId :

VSTDIC150

Tgt Ion:	96	Resp:	484179
Ion	Ratio	Lower	Upper
96	100		
61	139.3	107.4	161.0
98	64.9	50.8	76.2

Manual Integrations
APPROVED

apatel
10/9/2018 4:12:26 PM



#22

Diisopropyl ether

Concen: 146.46 ug/l

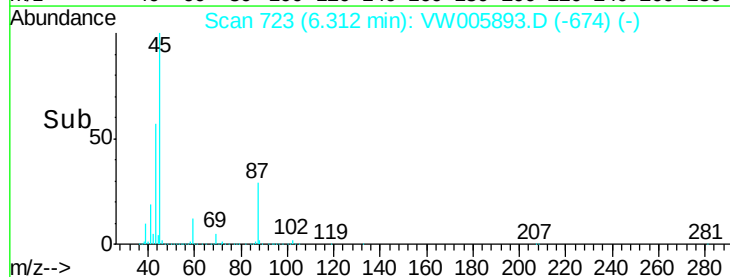
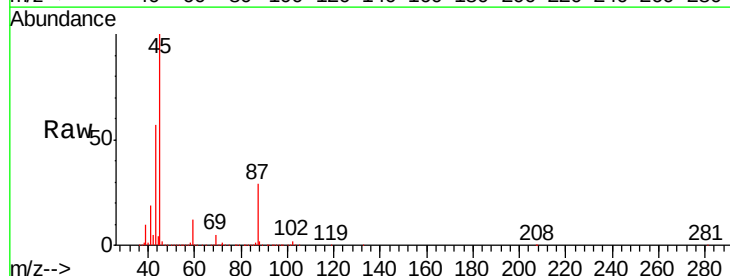
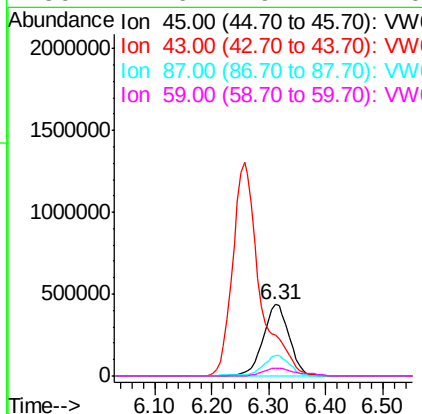
RT: 6.31 min Scan# 723

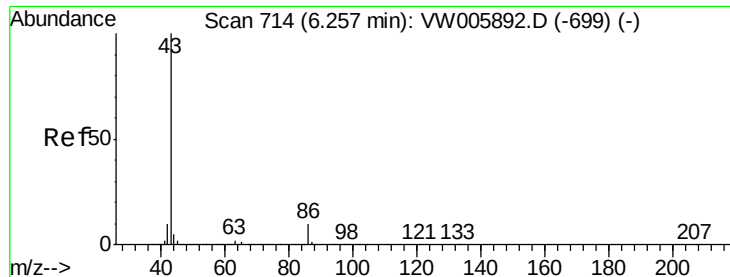
Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Tgt Ion:	45	Resp:	1386788
Ion	Ratio	Lower	Upper
45	100		
43	56.8	45.9	68.9
87	28.7	22.2	33.4
59	11.6	9.4	14.0





#23

Vinyl Acetate

Concen: 741.18 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 4319634

Ion Ratio Lower Upper

43 100

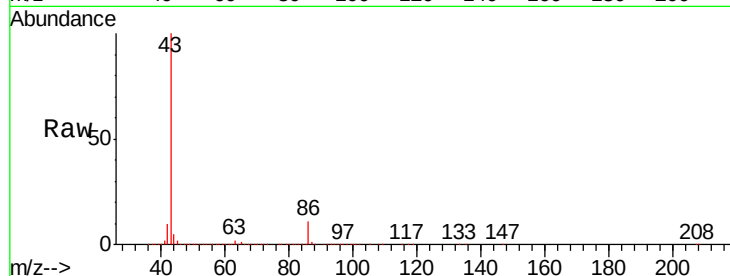
86 10.6 8.2 12.4

Manual Integrations

APPROVED

apatel

10/9/2018 4:12:26 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

1500000 Ion 86.00 (85.70 to 86.70): VW

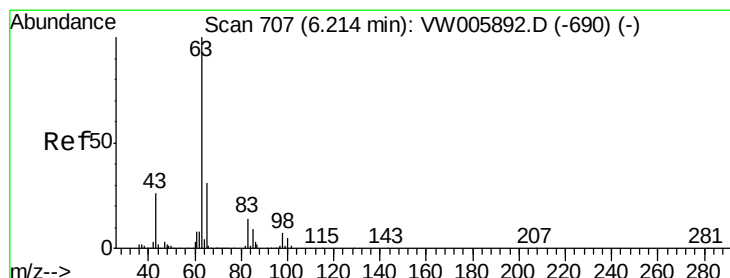
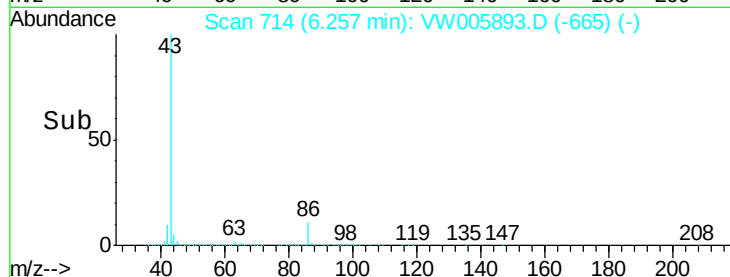
6.26

1000000

500000

0

Time-->



#24

1,1-Dichloroethane

Concen: 147.22 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

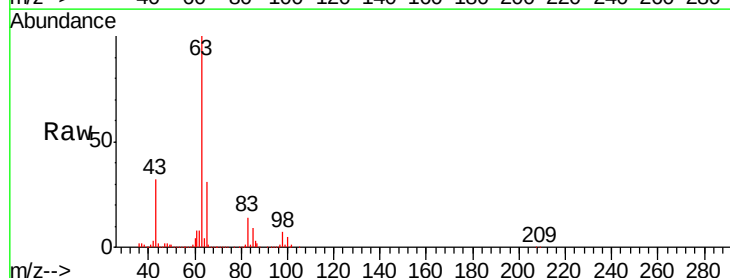
Tgt Ion: 63 Resp: 853088

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.6

100 4.7 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

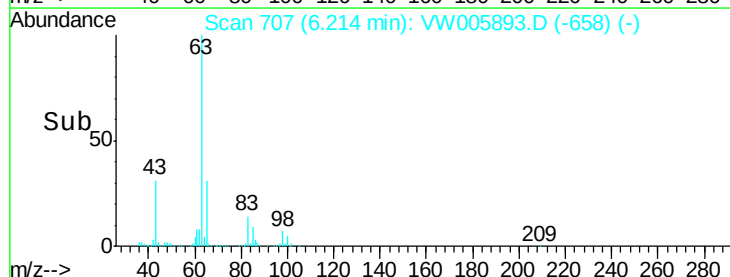
300000

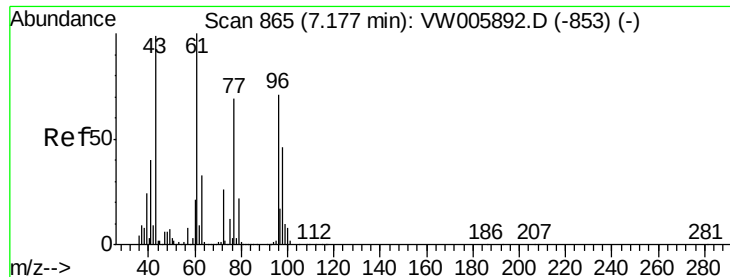
200000

100000

0

Time-->





#25

2-Butanone

Concen: 689.30 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tgt Ion: 43 Resp: 641444

Ion Ratio Lower Upper

43 100

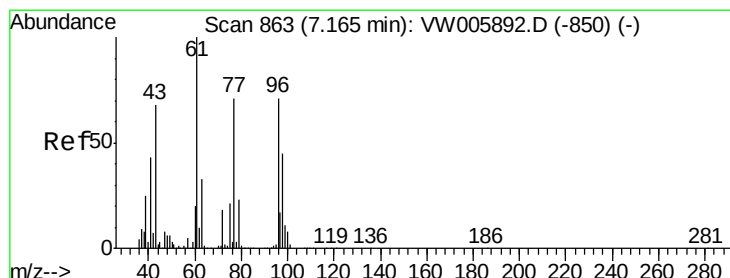
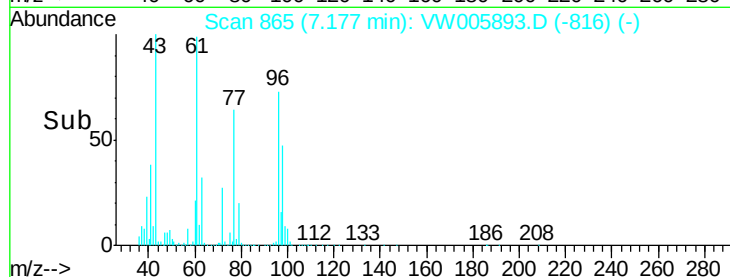
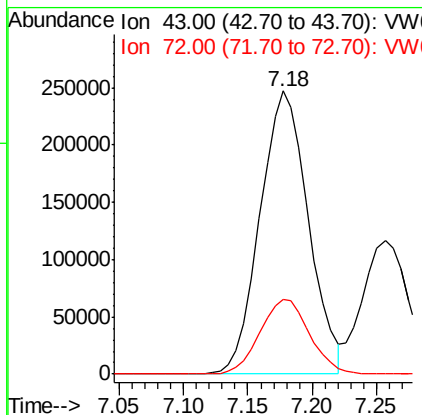
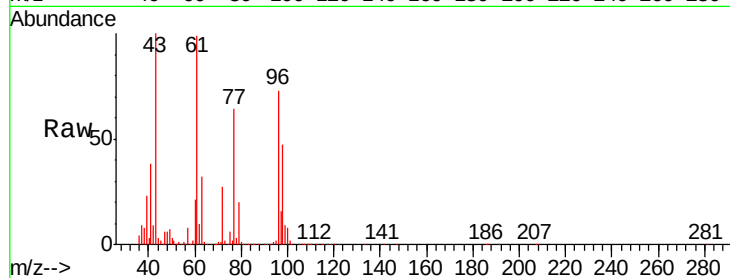
72 26.7 21.0 31.4

Manual Integrations

APPROVED

apatel

10/9/2018 4:12:26 PM



#26

2,2-Dichloropropane

Concen: 131.24 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW005893.D

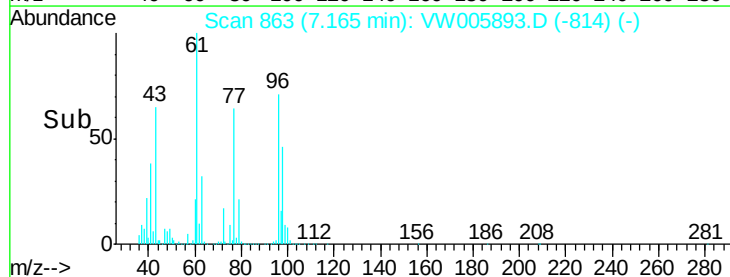
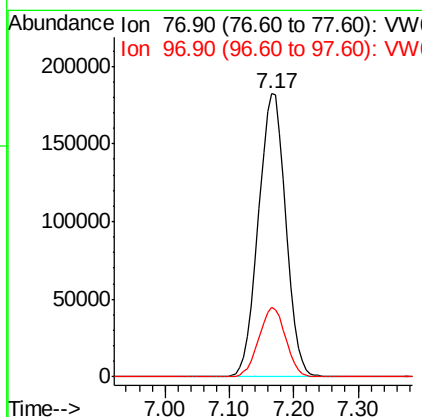
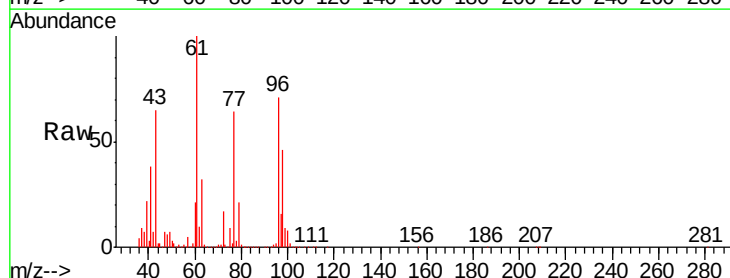
Acq: 08 Oct 2018 13:32

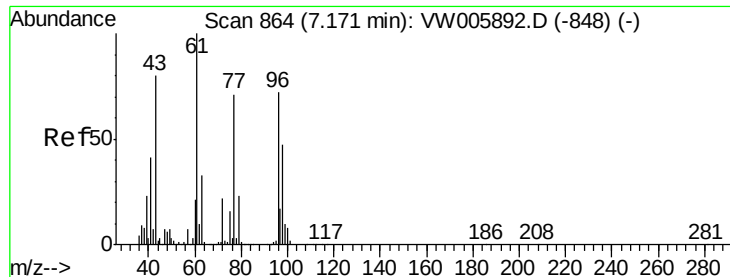
Tgt Ion: 77 Resp: 535200

Ion Ratio Lower Upper

77 100

97 24.1 11.9 35.7





#27

cis-1,2-Dichloroethene

Concen: 148.57 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

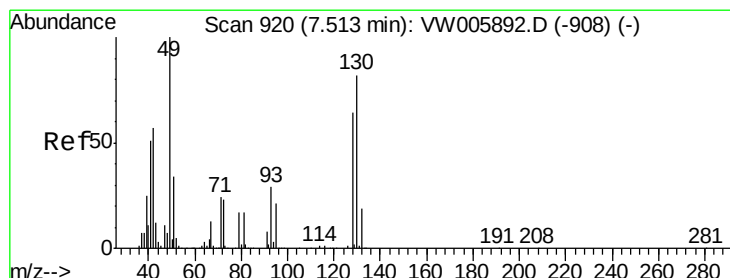
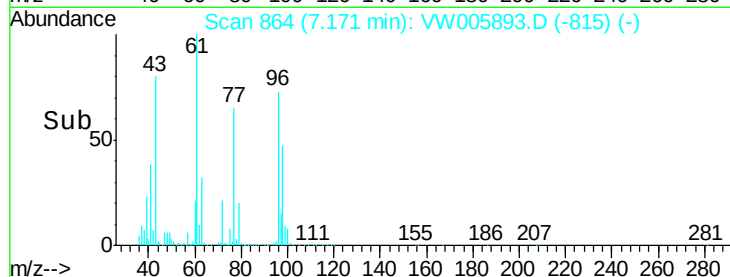
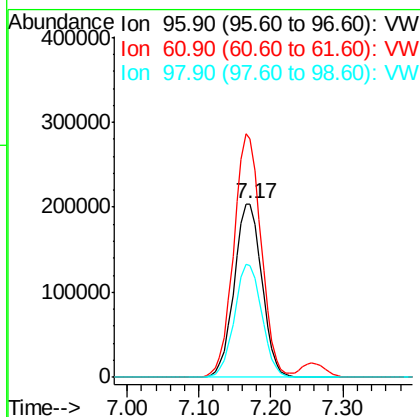
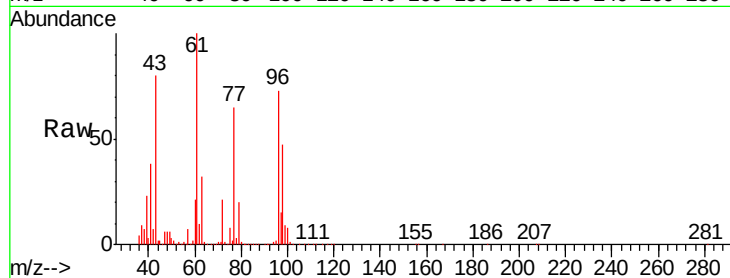
ClientSampleId :

VSTDIC150

Tgt Ion:	96	Resp:	543933
Ion Ratio	Lower	Upper	
96	100		
61	139.0	0.0	284.0
98	64.8	0.0	129.8

Manual Integrations
APPROVED

apatel
10/9/2018 4:12:26 PM



#28

Bromochloromethane

Concen: 137.74 ug/l

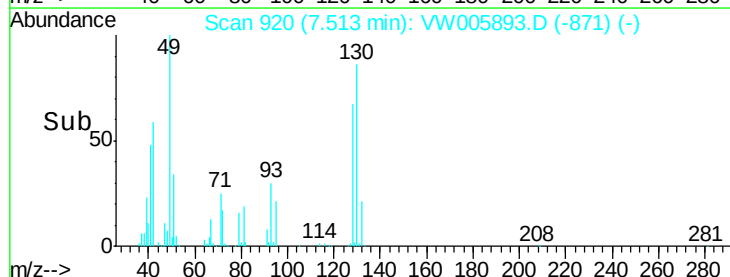
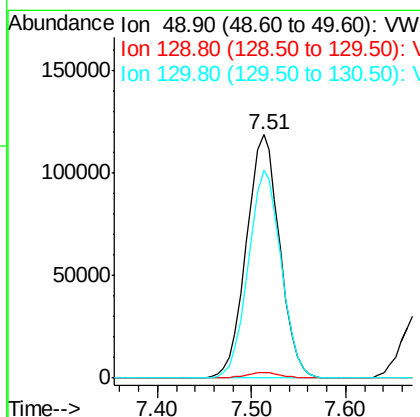
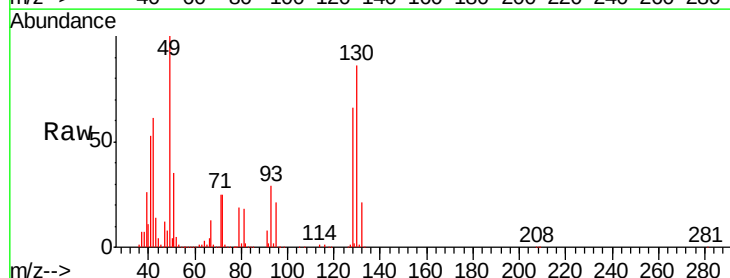
RT: 7.51 min Scan# 920

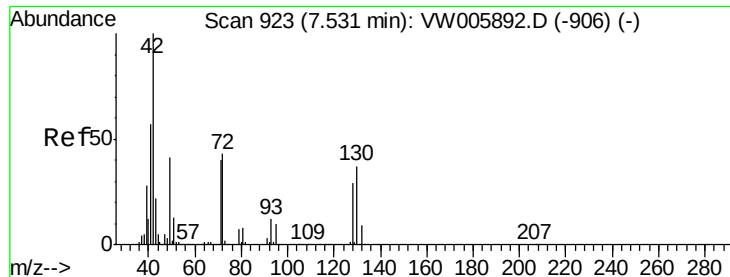
Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Tgt Ion:	49	Resp:	294613
Ion Ratio	Lower	Upper	
49	100		
129	2.4	0.0	5.0
130	84.7	66.9	100.3





#29

Tetrahydrofuran

Concen: 723.77 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

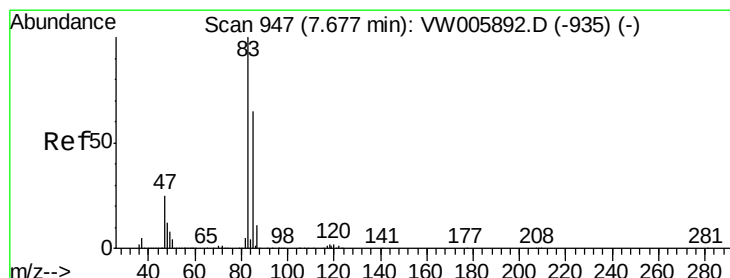
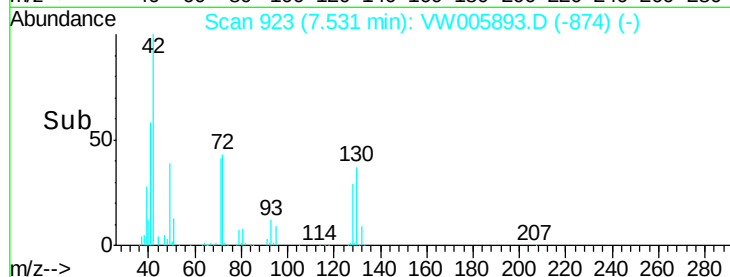
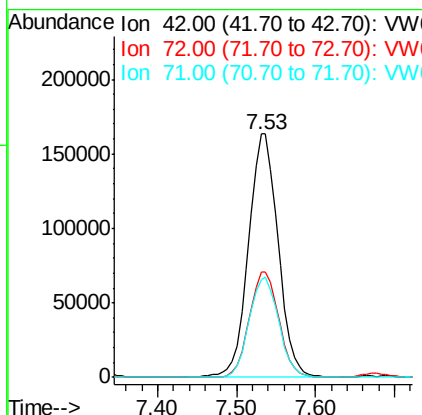
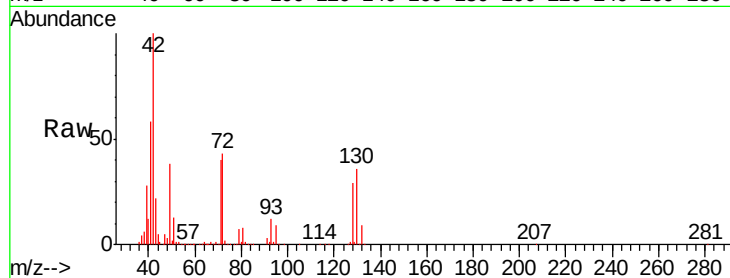
ClientSampleId :

VSTDIC150

Tgt Ion:	42	Resp:	425763
Ion Ratio		Lower	Upper
42	100		
72	43.2	34.6	51.8
71	41.0	32.6	49.0

Manual Integrations
APPROVED

apatel
10/9/2018 4:12:26 PM



#30

Chloroform

Concen: 148.64 ug/l

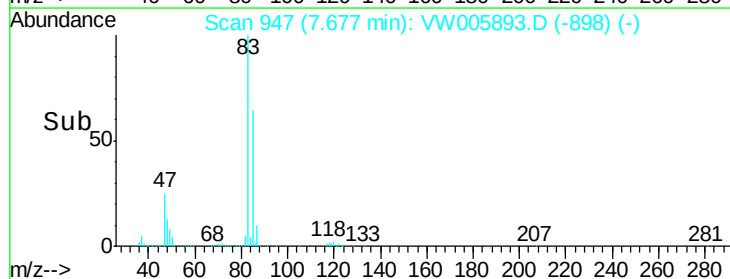
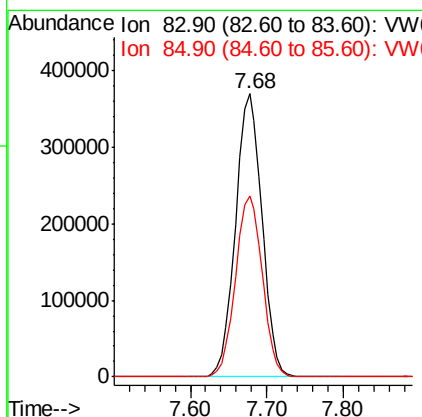
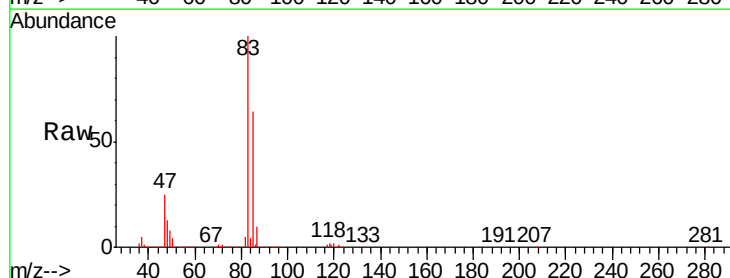
RT: 7.68 min Scan# 947

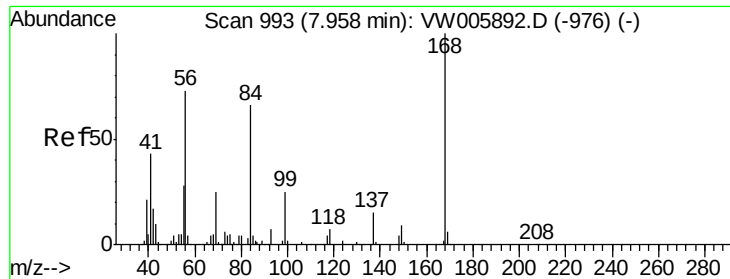
Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Tgt Ion:	83	Resp:	884700
Ion Ratio		Lower	Upper
83	100		
85	64.0	51.6	77.4





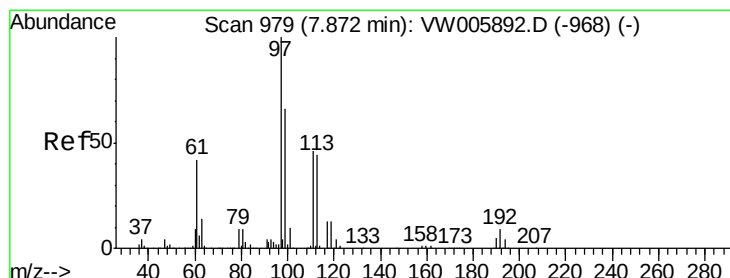
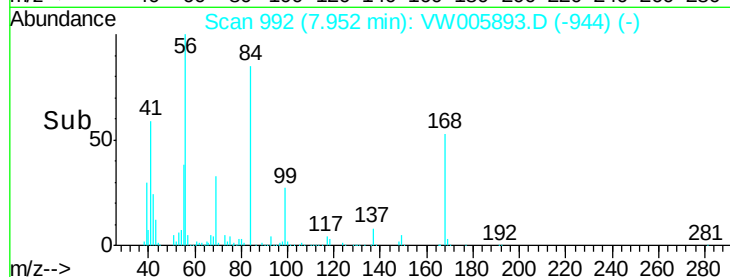
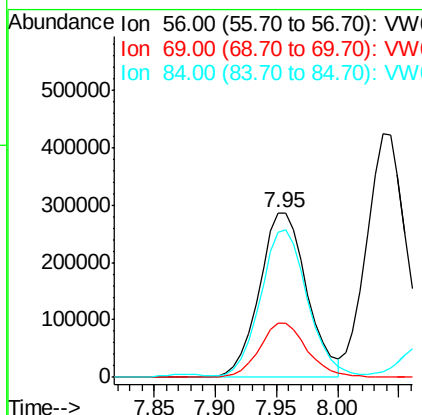
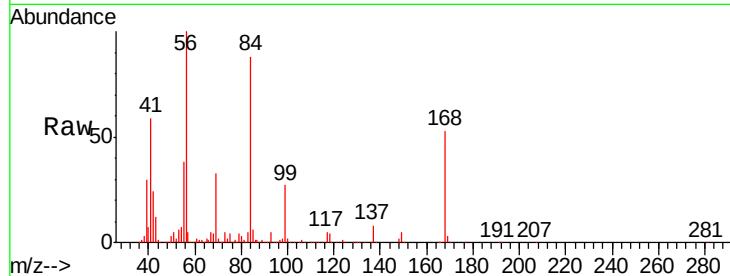
#31
Cyclohexane
Concen: 134.97 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.7	27.9	41.9
84	86.8	72.3	108.5

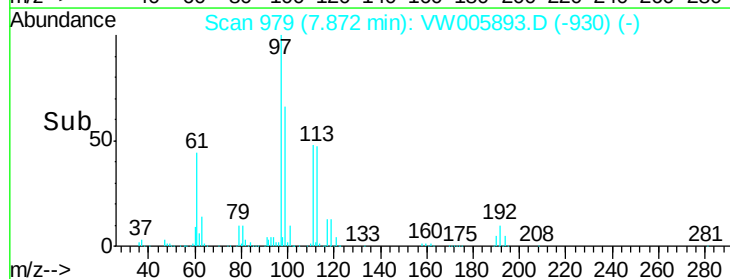
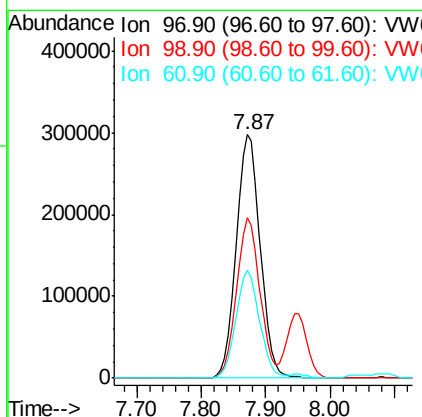
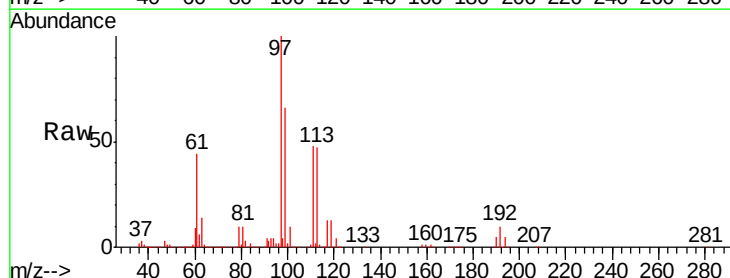
Manual Integrations
APPROVED

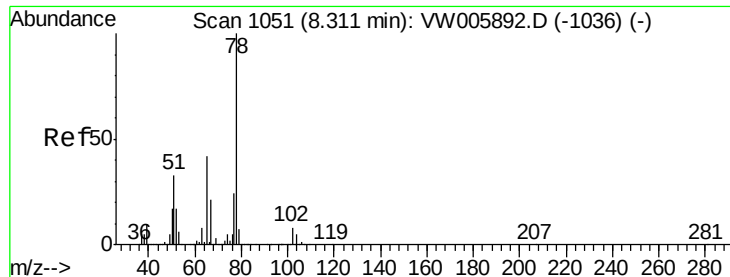
apatel
10/9/2018 4:12:26 PM



#32
1,1,1-Trichloroethane
Concen: 145.22 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	43.3	34.5	51.7





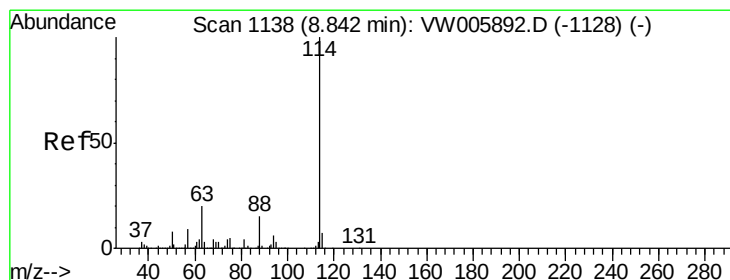
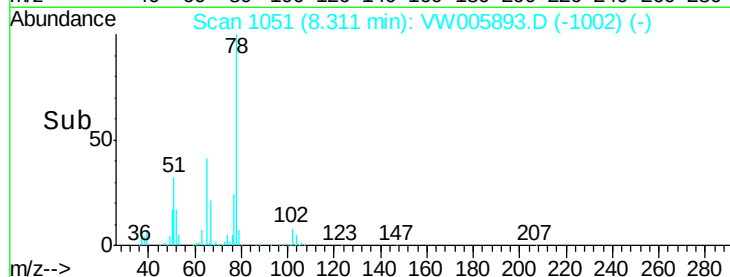
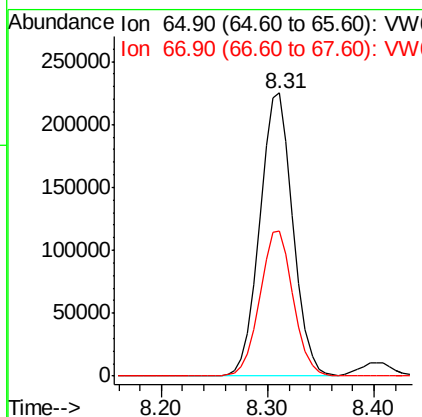
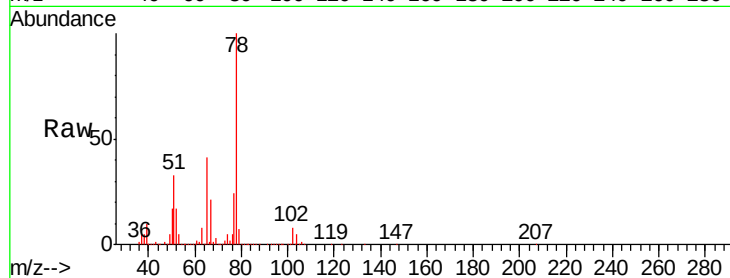
#33
 1,2-Dichloroethane-d4
 Concen: 148.89 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	487681		
67	51.6	0.0	104.6	

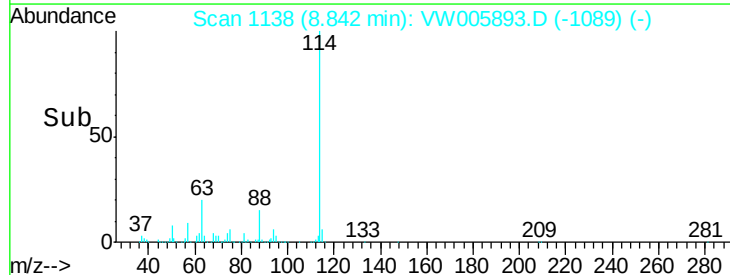
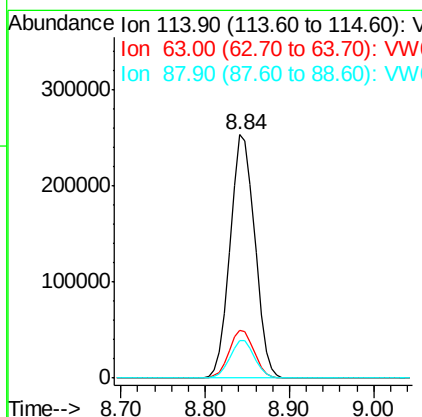
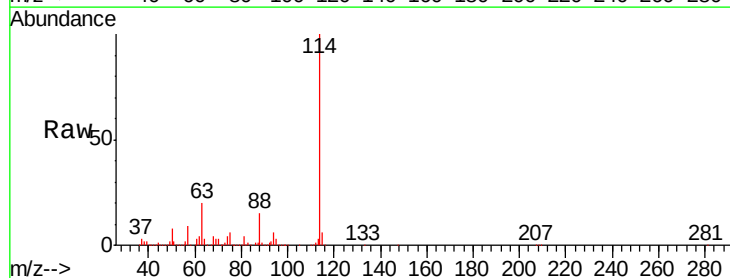
Manual Integrations
 APPROVED

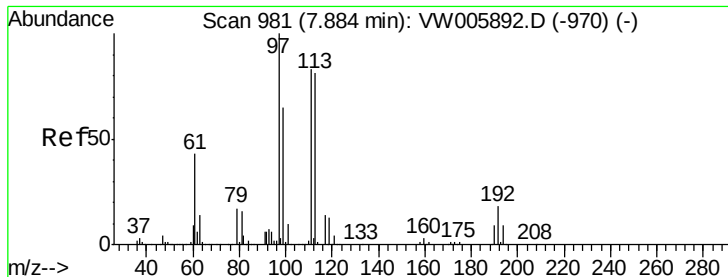
apatel
 10/9/2018 4:12:26 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	504442		
63	19.8	0.0	39.2	
88	15.2	0.0	30.8	





#35

Dibromofluoromethane

Concen: 147.61 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

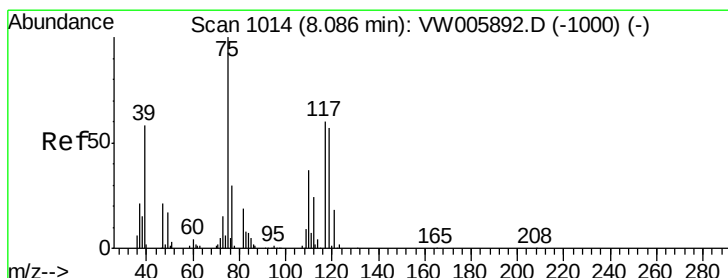
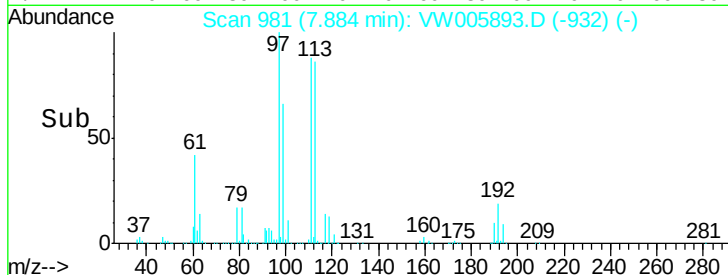
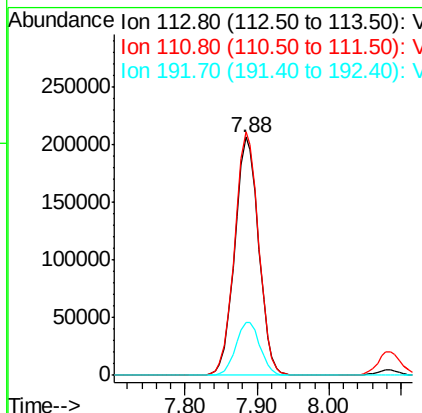
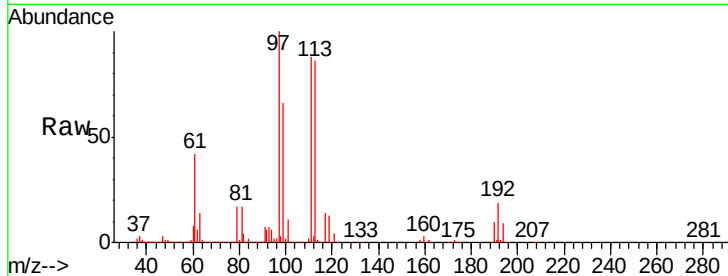
ClientSampled :

VSTDIC150

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.0	123.0
192	22.8	18.3	27.5

Manual Integrations
APPROVED

apatel
10/9/2018 4:12:26 PM



#36

1,1-Dichloropropene

Concen: 143.49 ug/l

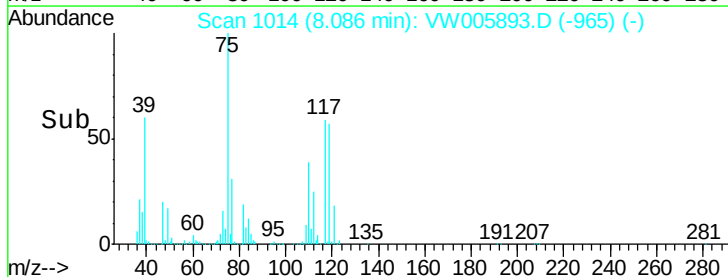
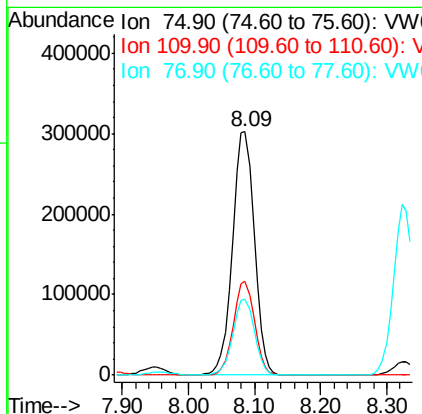
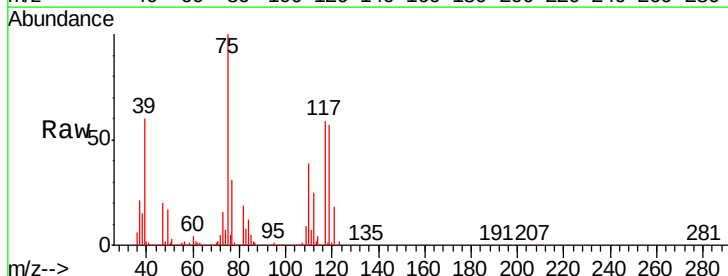
RT: 8.09 min Scan# 1014

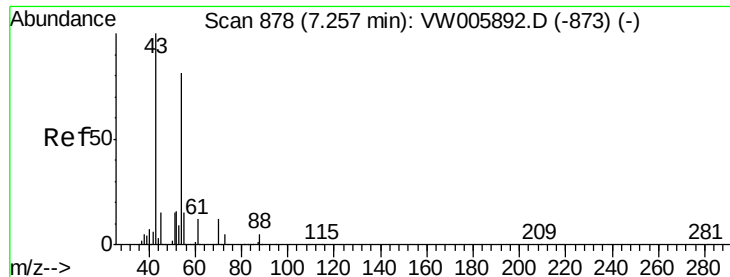
Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.6	56.0
77	30.9	24.7	37.1





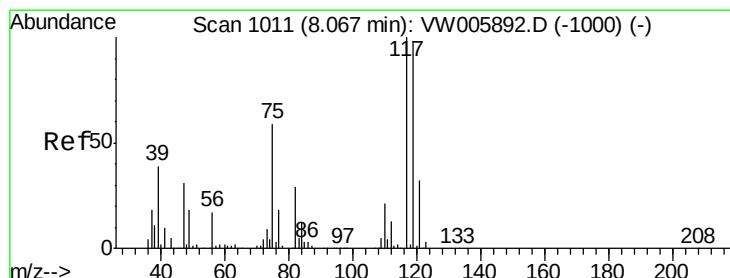
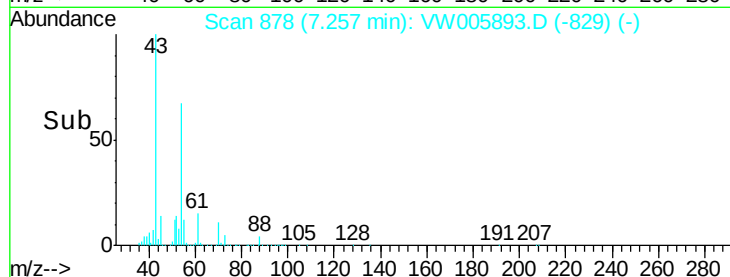
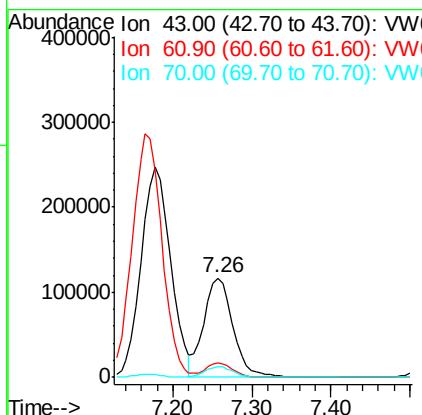
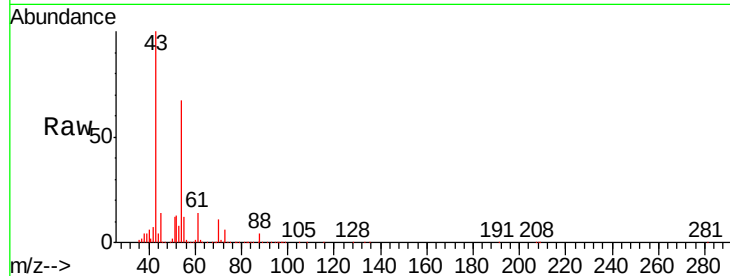
#37
Ethyl Acetate
Concen: 146.19 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.6	16.0
70	10.6	8.6	13.0

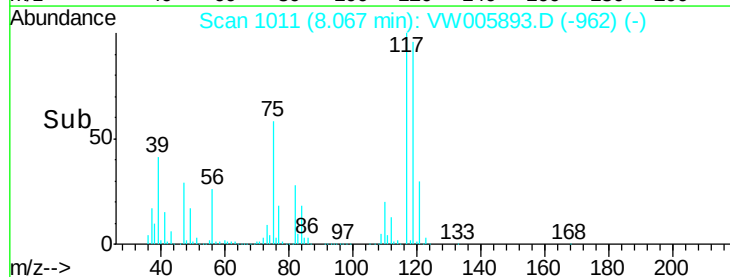
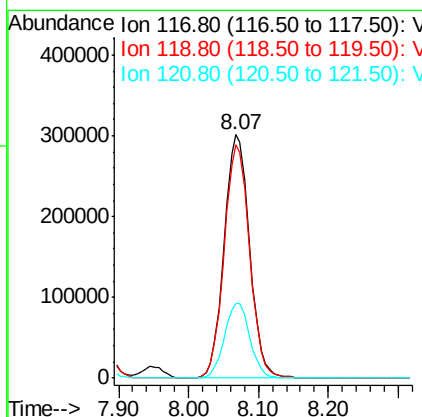
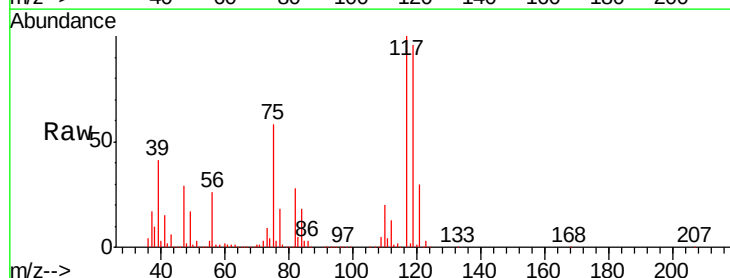
Manual Integrations
APPROVED

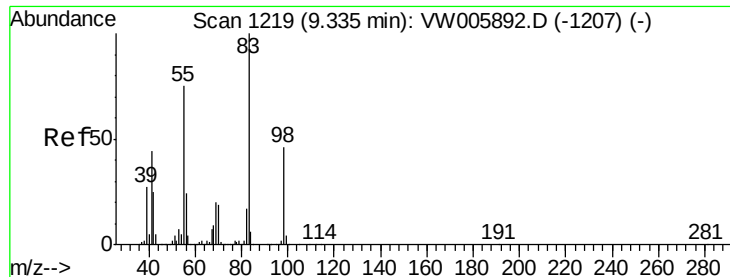
apatel
10/9/2018 4:12:26 PM



#38
Carbon Tetrachloride
Concen: 146.33 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	78.6	117.8
121	30.4	25.3	37.9





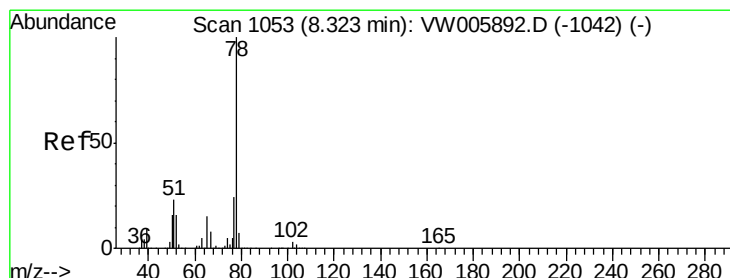
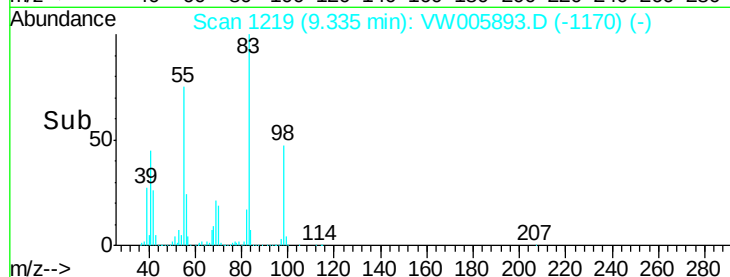
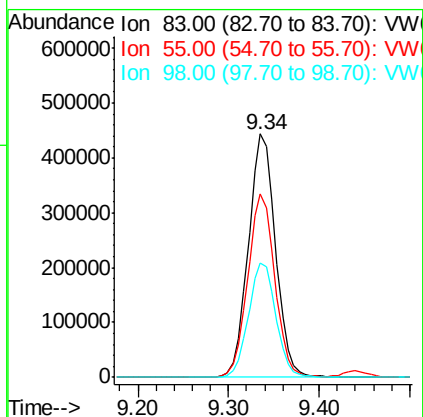
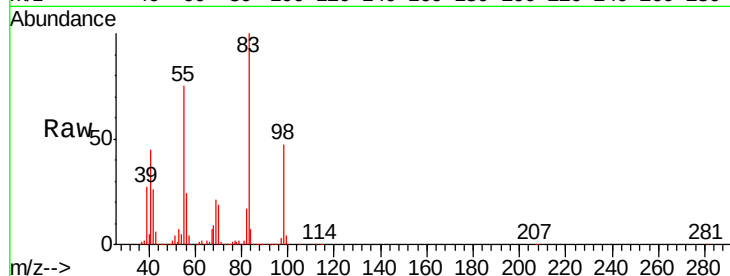
#39
Methylcyclohexane
Concen: 143.96 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.0	59.8	89.6
98	46.9	37.1	55.7

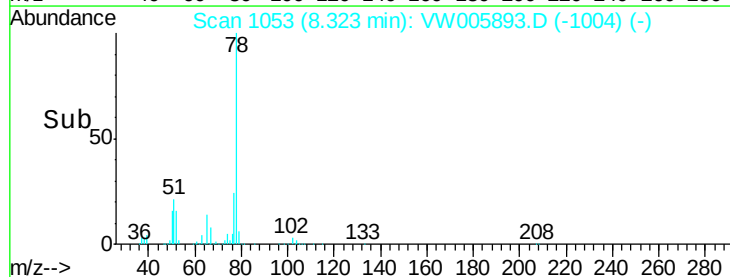
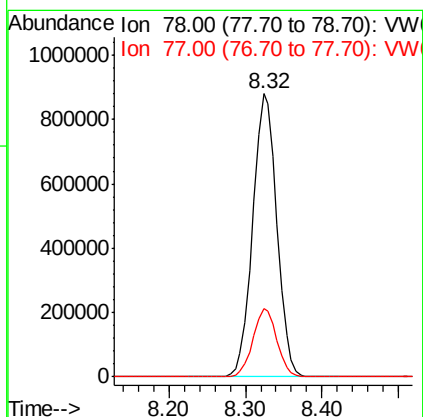
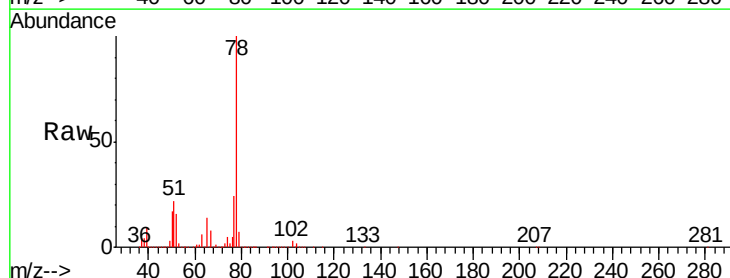
Manual Integrations
APPROVED

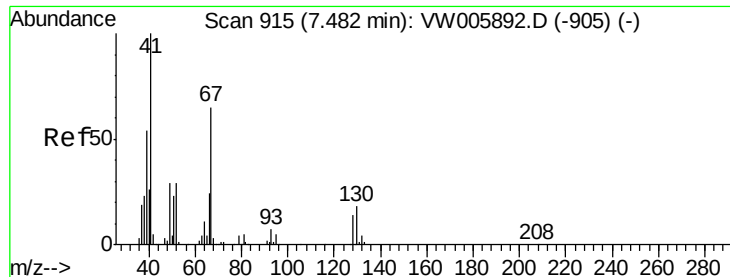
apatel
10/9/2018 4:12:26 PM



#40
Benzene
Concen: 145.91 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7





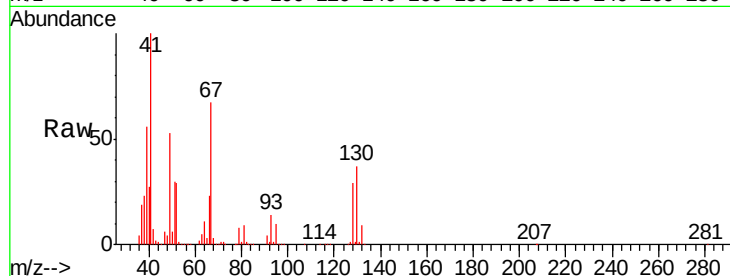
#41
Methacrylonitrile
Concen: 144.79 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

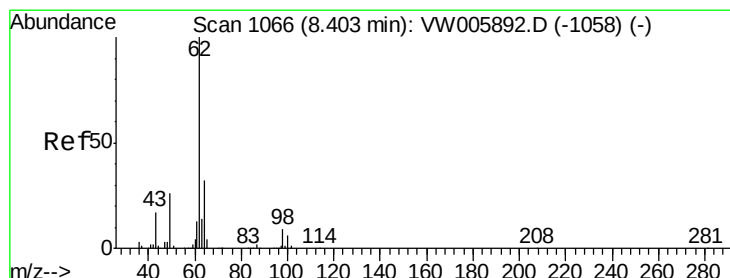
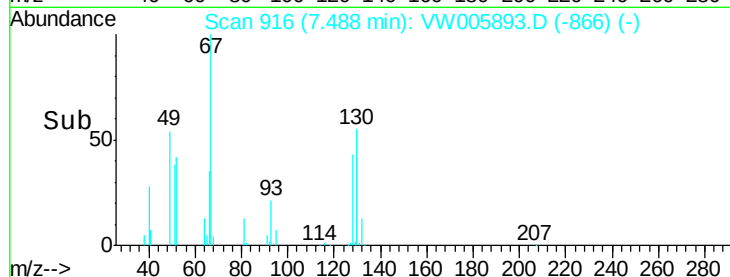
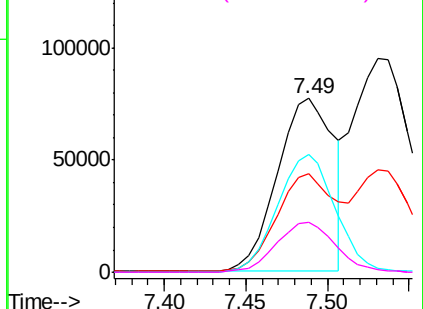
Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.9	45.0	67.4
67	69.2	55.8	83.8
52	30.0	25.3	37.9

Manual Integrations
APPROVED

apatel
10/9/2018 4:12:26 PM

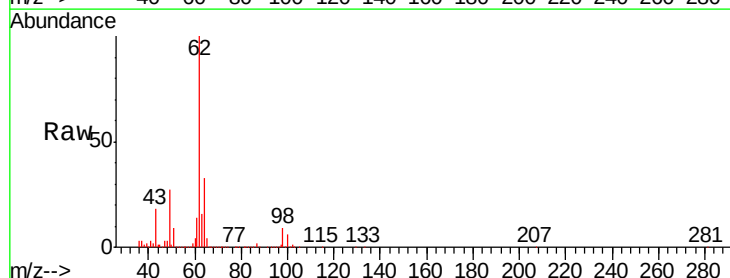


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

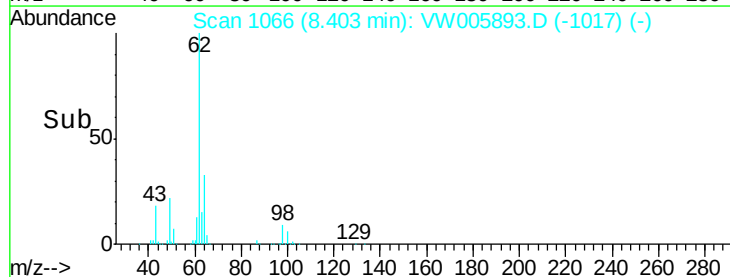
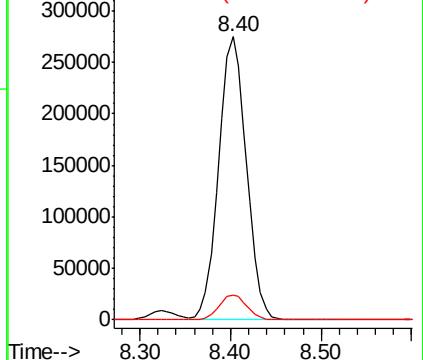


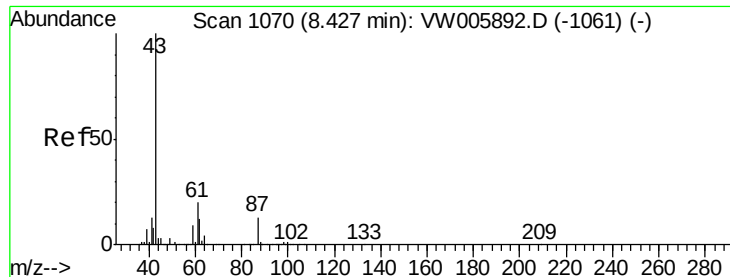
#42
1,2-Dichloroethane
Concen: 146.61 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.0



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 148.50 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

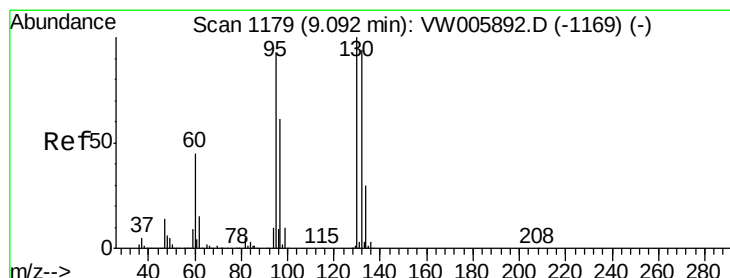
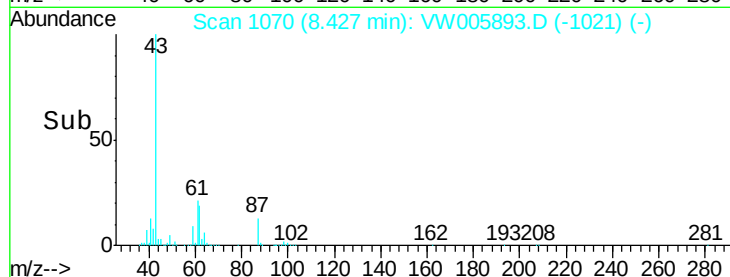
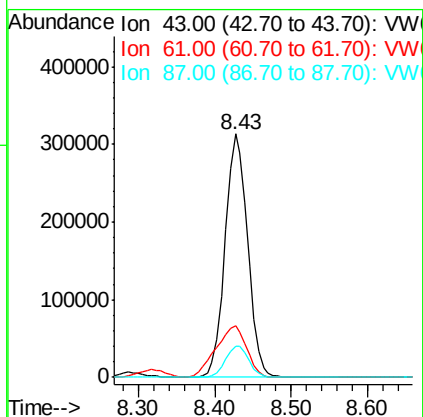
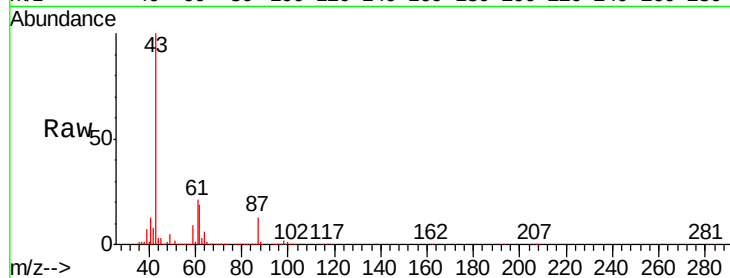
ClientSampleId :

VSTDIC150

Tgt Ion:	43	Resp:	634933
Ion	Ratio	Lower	Upper
43	100		
61	28.9	23.1	34.7
87	13.3	10.7	16.1

Manual Integrations
APPROVED

apatel
10/9/2018 4:12:26 PM



#44

Trichloroethene

Concen: 148.01 ug/l

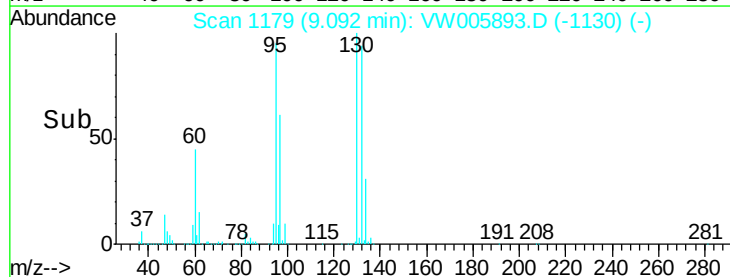
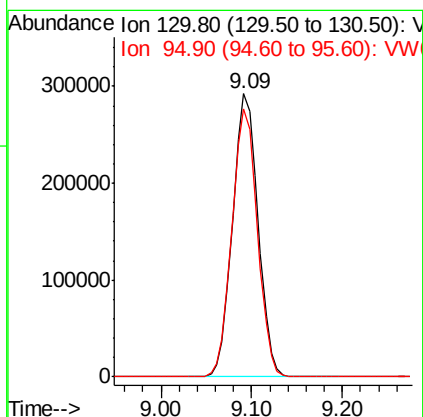
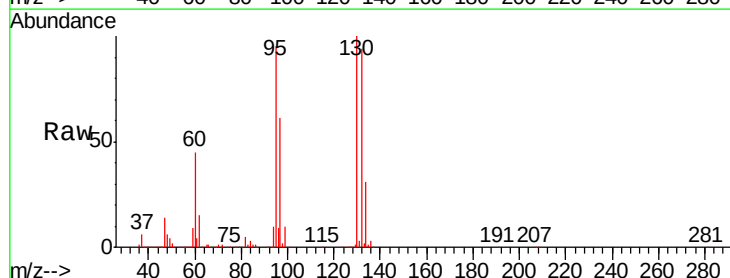
RT: 9.09 min Scan# 1179

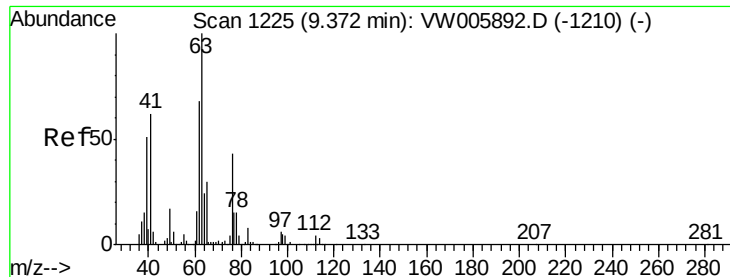
Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Tgt Ion:	130	Resp:	568129
Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	185.6





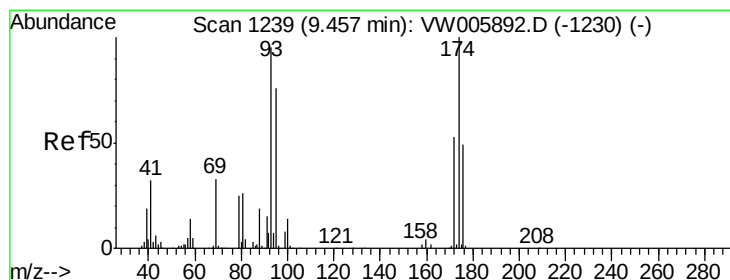
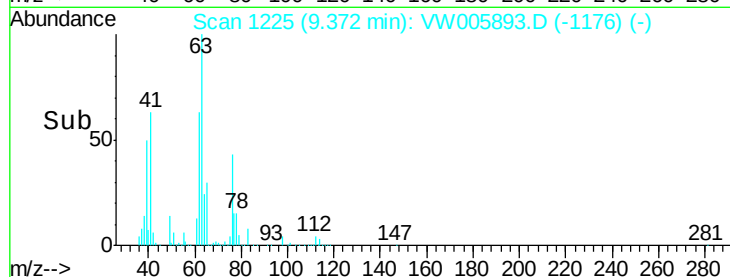
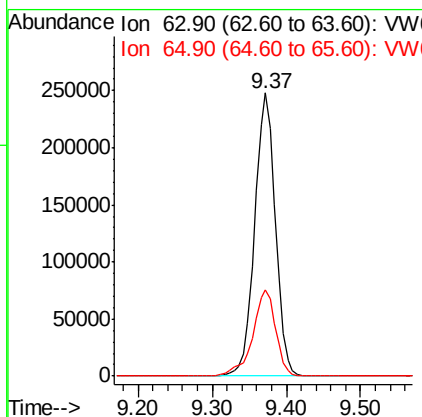
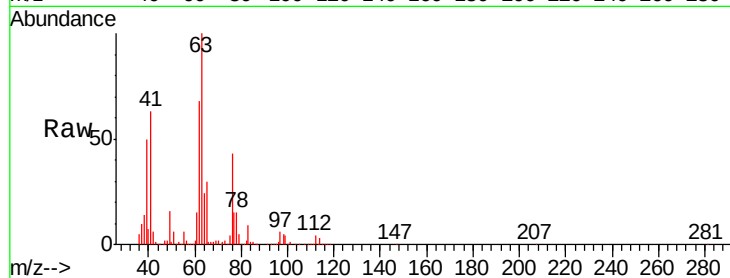
#45
 1,2-Dichloropropane
 Concen: 145.89 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.3	36.5

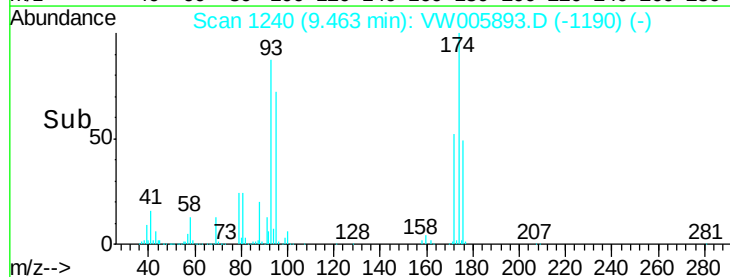
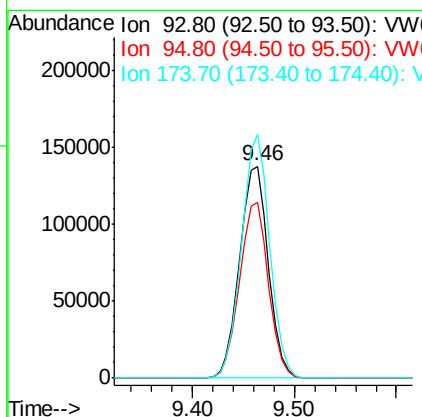
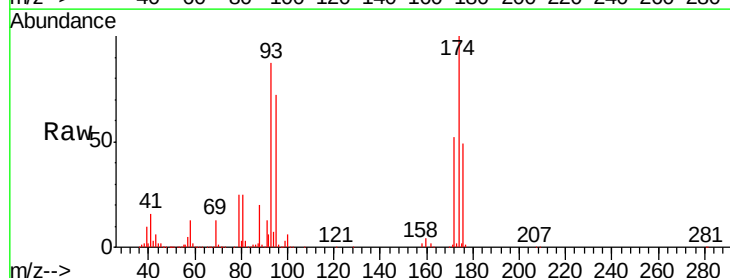
Manual Integrations
 APPROVED

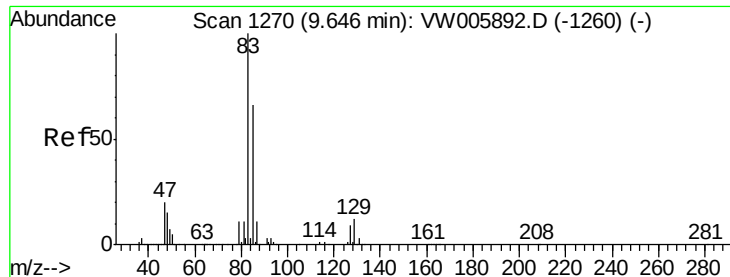
apatel
 10/9/2018 4:12:26 PM



#46
 Dibromomethane
 Concen: 148.22 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.01 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	66.6	99.8
174	112.8	90.4	135.6





#47

Bromodichloromethane

Concen: 148.63 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

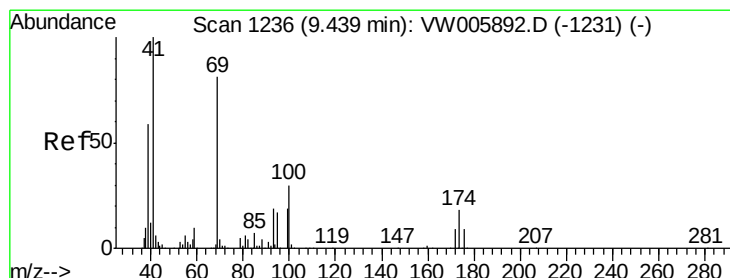
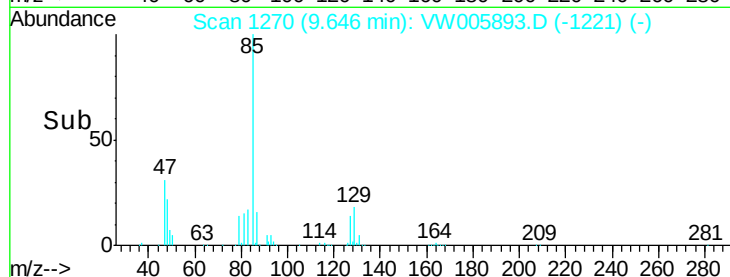
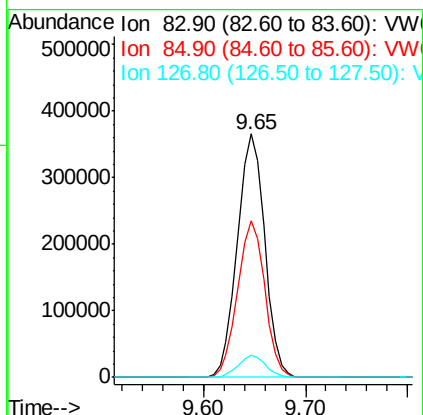
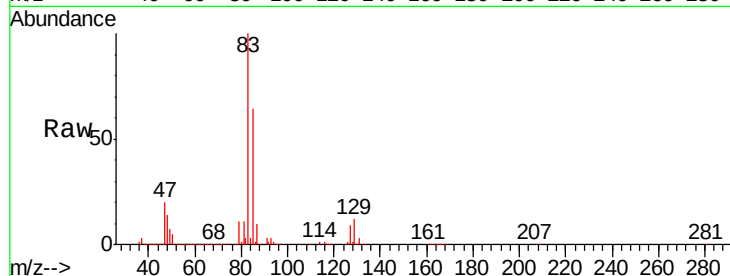
ClientSampleId :

VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	680686		
85	64.3	53.0	79.6	
127	9.0	7.4	11.0	

Manual Integrations
APPROVED

apatel
10/9/2018 4:12:26 PM



#48

Methyl methacrylate

Concen: 148.83 ug/l

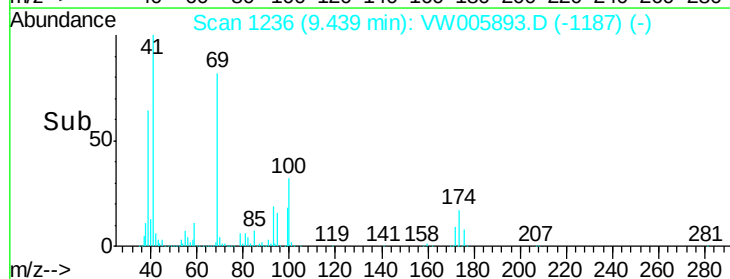
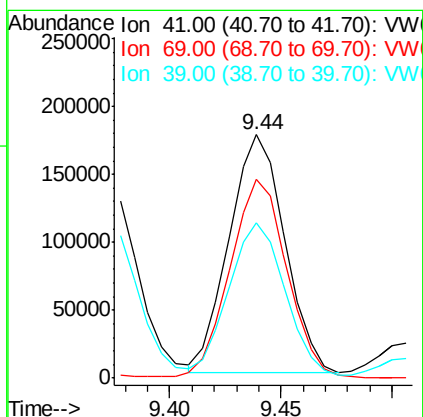
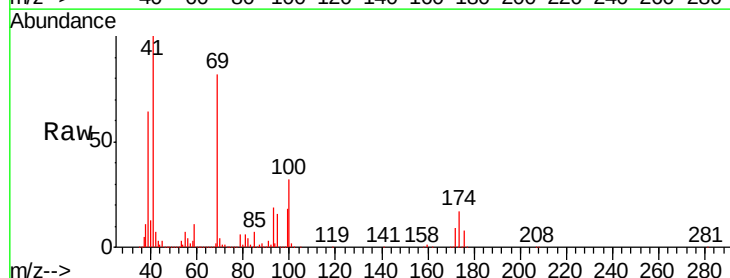
RT: 9.44 min Scan# 1236

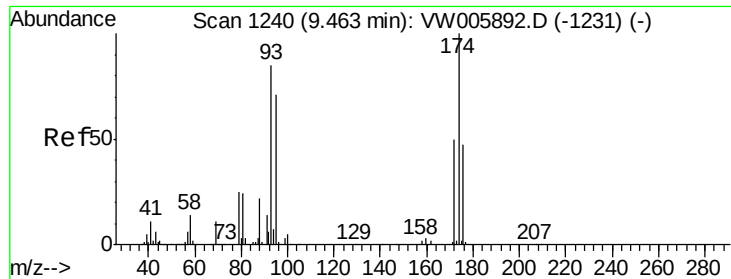
Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	303148		
69	86.2	68.7	103.1	
39	64.1	50.0	75.0	





#49

1,4-Dioxane

Concen: 2976.67 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

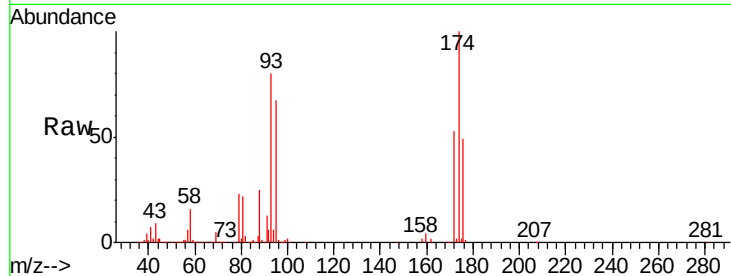
ClientSampleId :

VSTDIC150

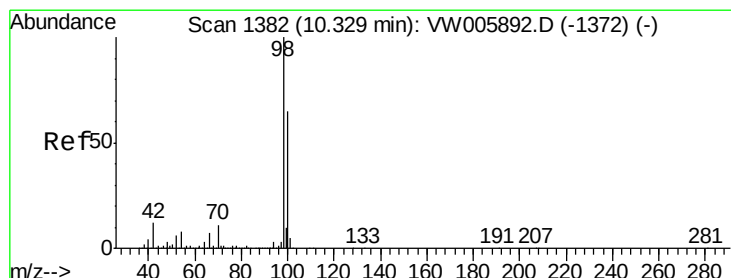
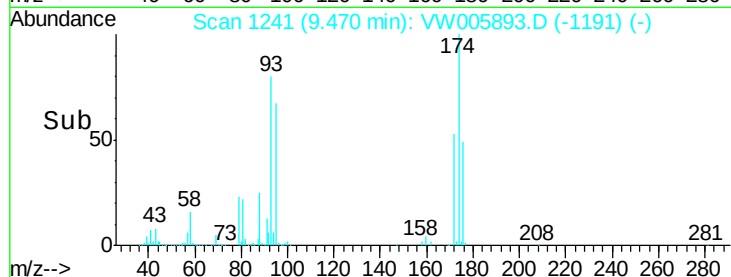
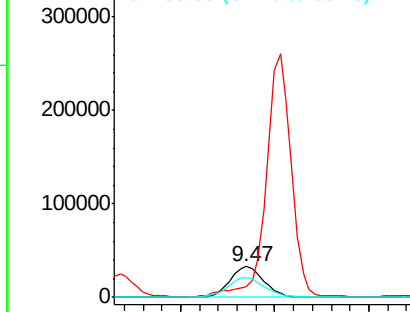
Tgt Ion:	88	Resp:	82289
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	70.0	57.7	86.5

Manual Integrations
APPROVED

apatel
10/9/2018 4:12:26 PM



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 148.18 ug/l

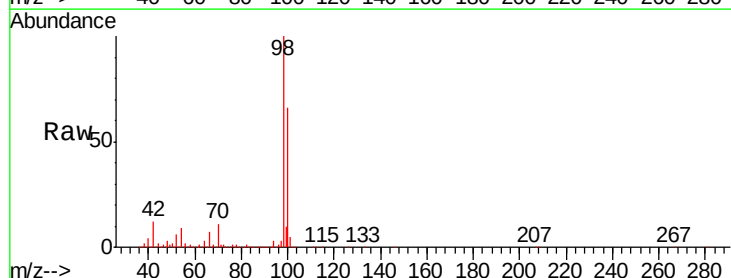
RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

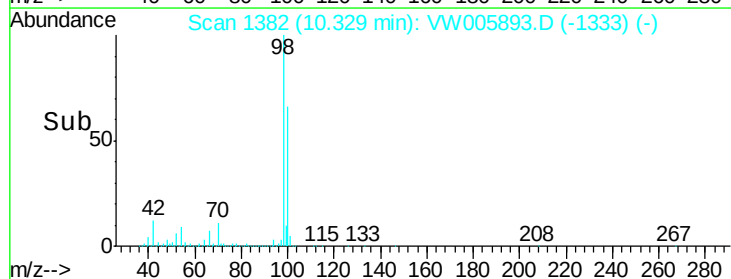
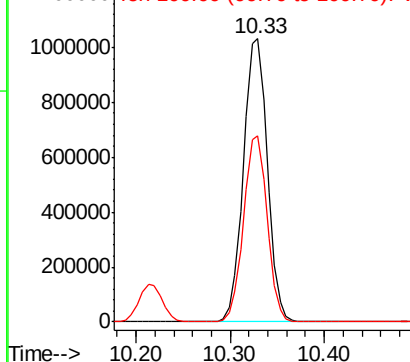
Lab File: VW005893.D

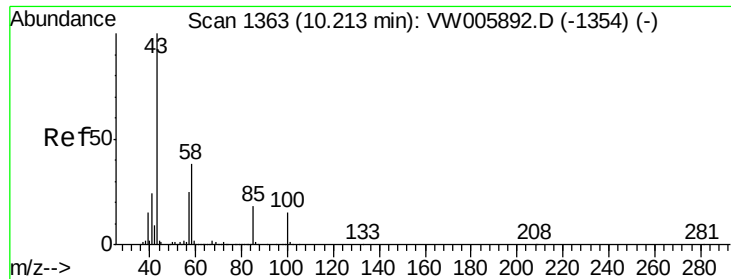
Acq: 08 Oct 2018 13:32

Tgt Ion:	98	Resp:	1836160
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





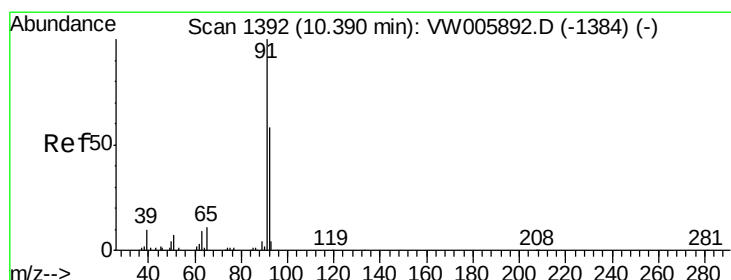
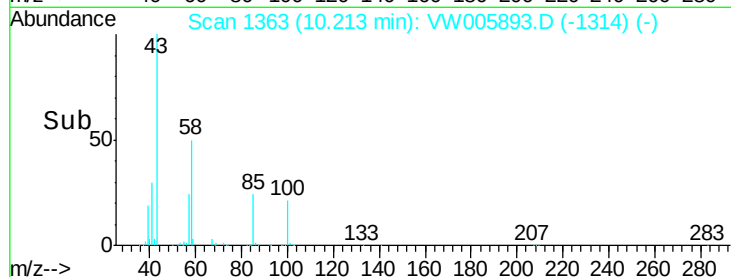
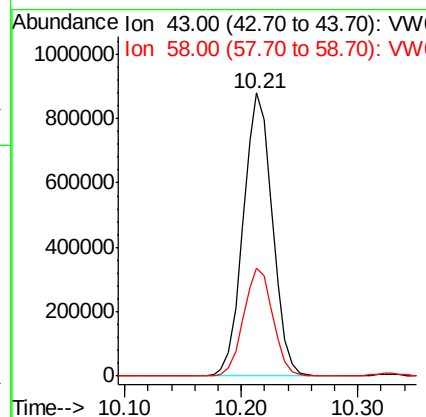
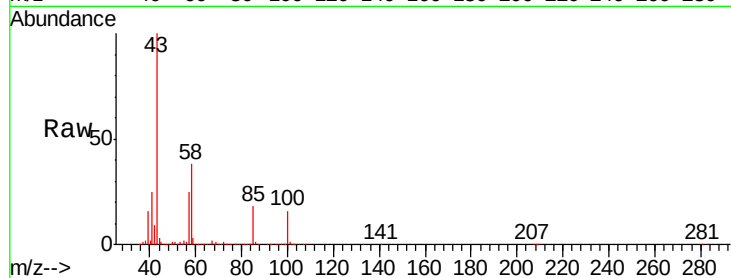
#51
 4-Methyl-2-Pentanone
 Concen: 734.71 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion: 43 Resp: 1529761
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.2 45.4

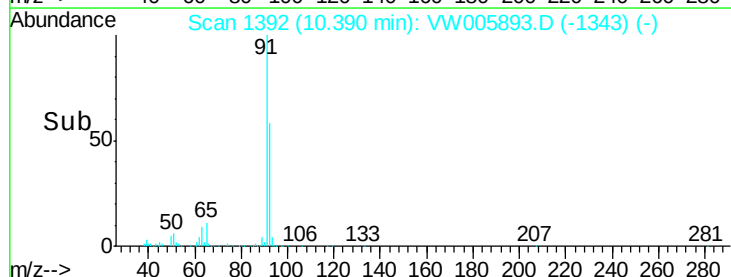
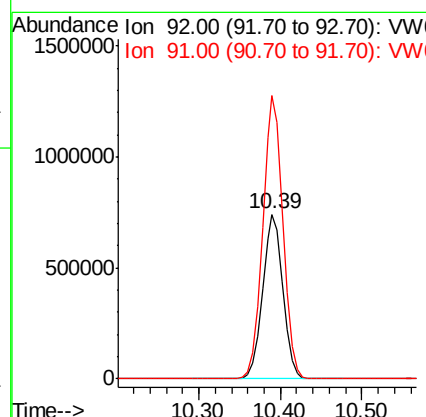
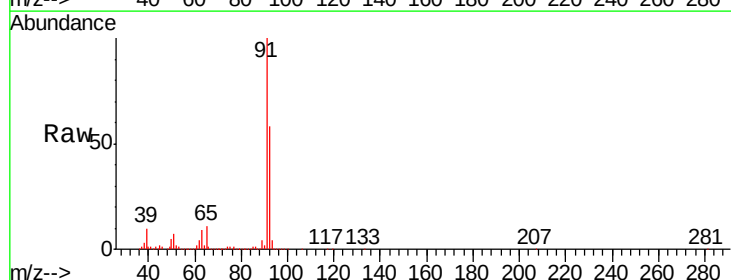
Manual Integrations
 APPROVED

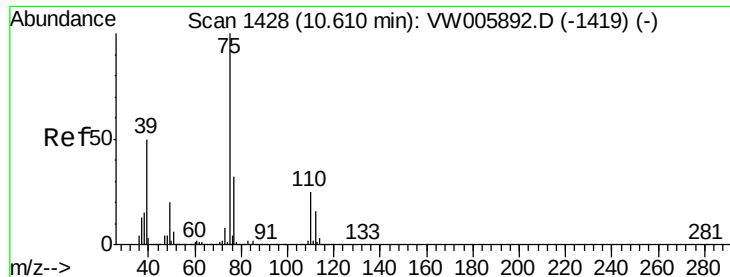
apatel
 10/9/2018 4:12:26 PM



#52
 Toluene
 Concen: 148.00 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Tgt Ion: 92 Resp: 1286241
 Ion Ratio Lower Upper
 92 100
 91 171.9 138.2 207.4





#53

t-1,3-Dichloropropene

Concen: 149.13 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tgt Ion: 75 Resp: 713759

Ion Ratio Lower Upper

75 100

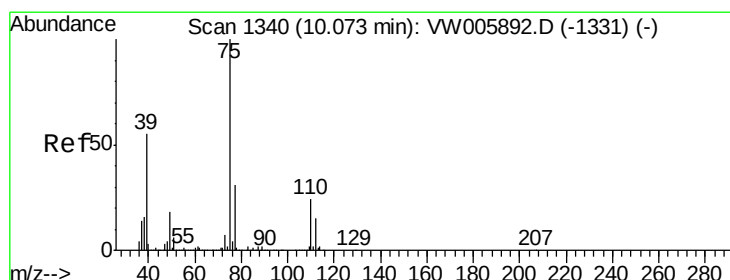
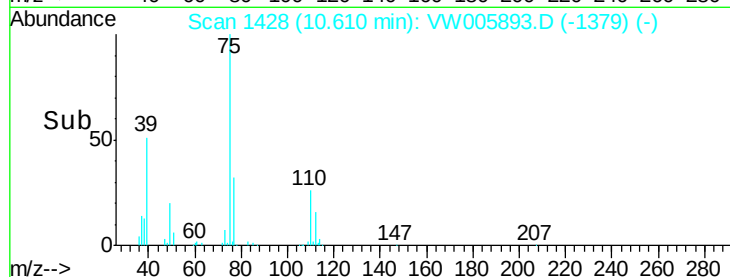
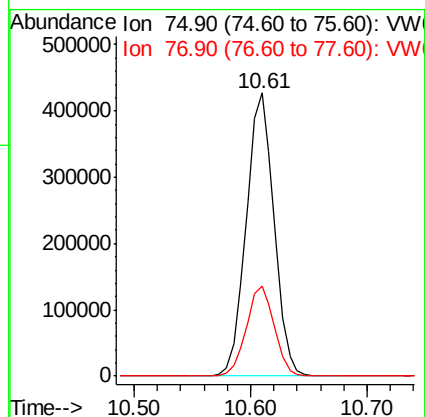
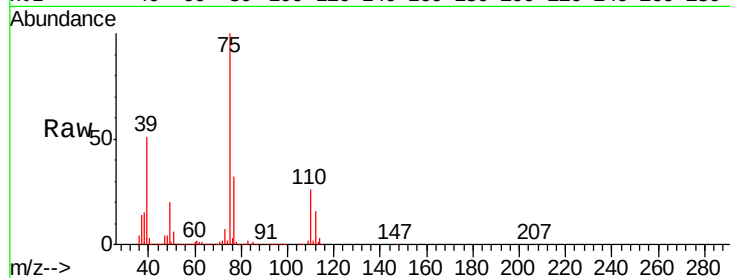
77 31.8 25.4 38.2

Manual Integrations

APPROVED

apatel

10/9/2018 4:12:26 PM



#54

cis-1,3-Dichloropropene

Concen: 147.73 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

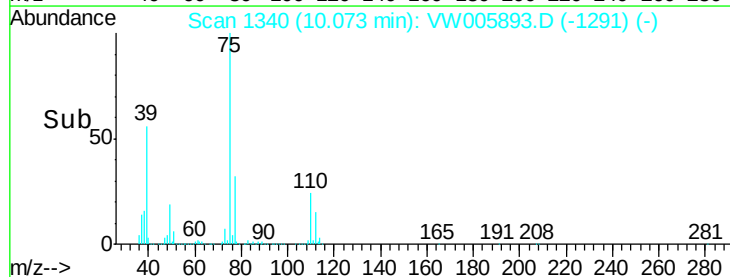
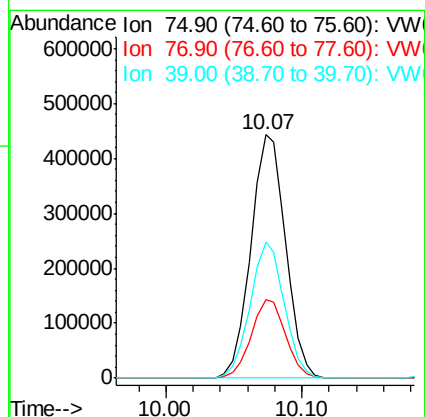
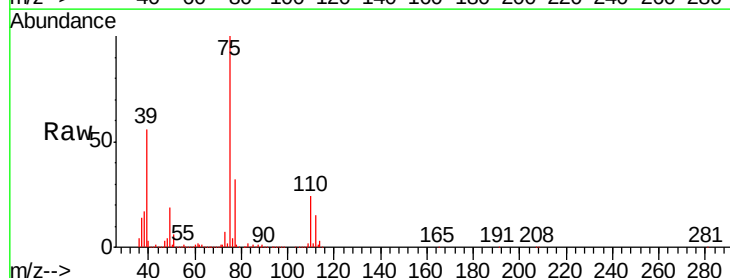
Tgt Ion: 75 Resp: 794821

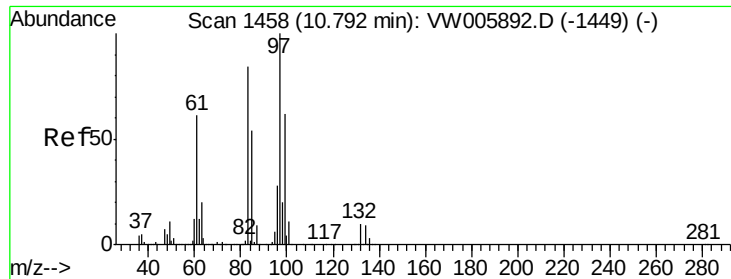
Ion Ratio Lower Upper

75 100

77 32.0 24.6 37.0

39 56.0 44.2 66.4





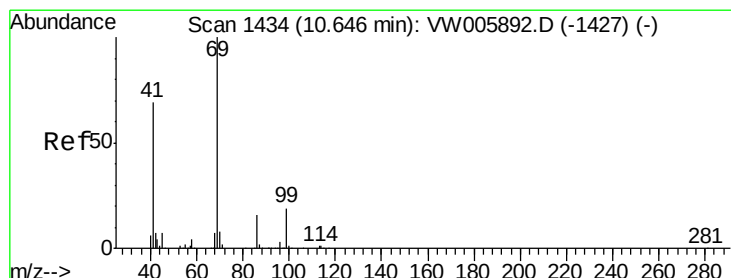
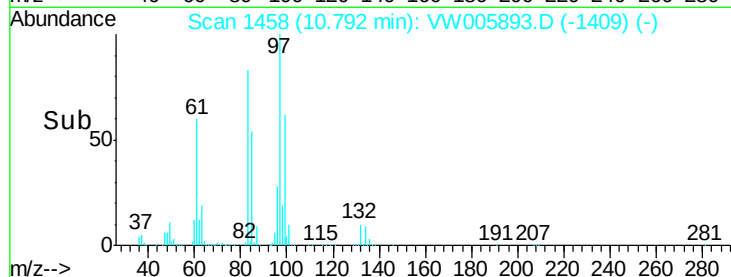
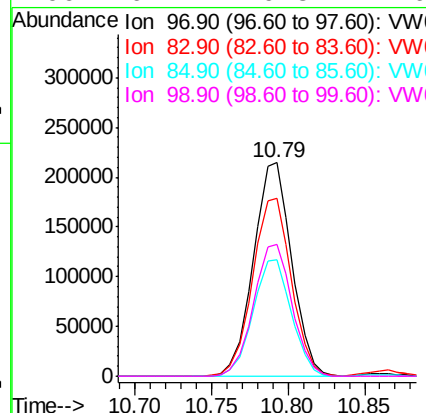
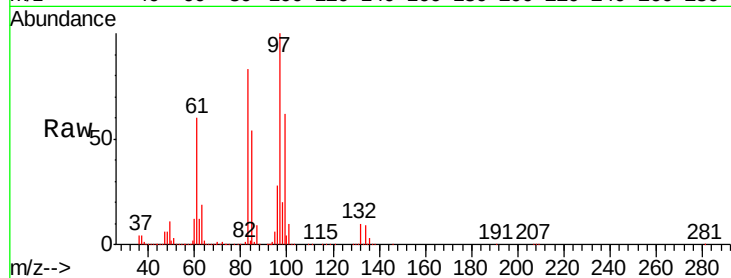
#55
 1,1,2-Trichloroethane
 Concen: 148.00 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.3	66.9	100.3
85	54.5	43.4	65.0
99	61.7	49.8	74.6

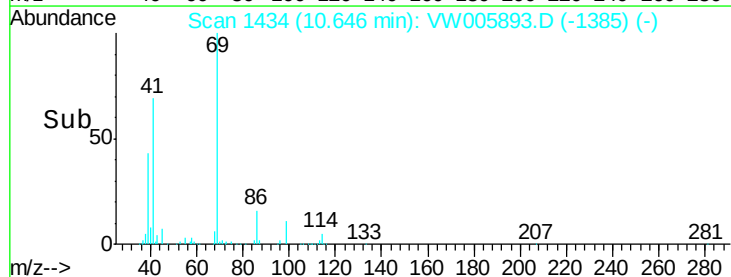
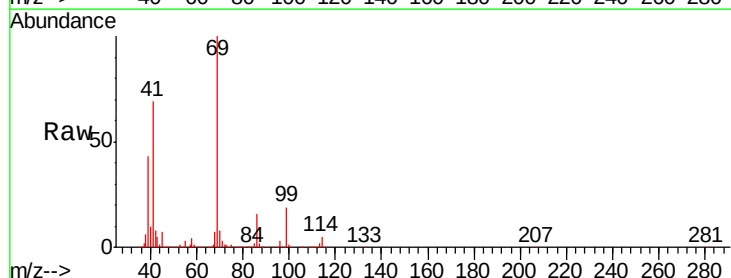
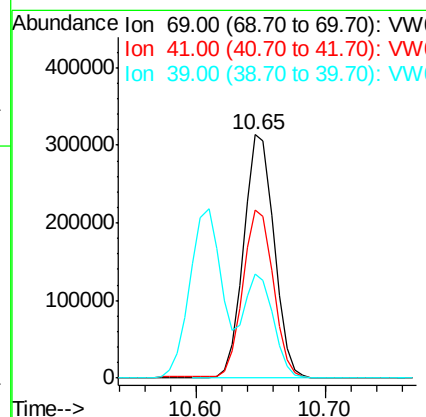
Manual Integrations
 APPROVED

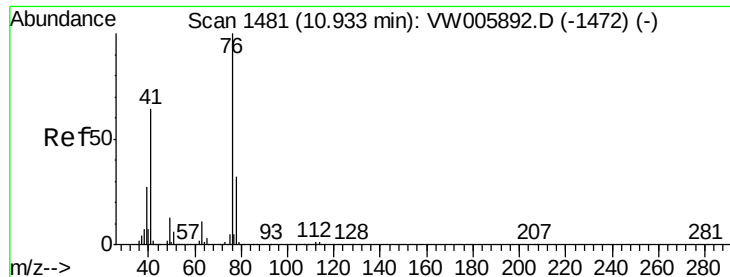
apatel
 10/9/2018 4:12:26 PM



#56
 Ethyl methacrylate
 Concen: 150.07 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.0	56.0	84.0
39	41.8	33.5	50.3





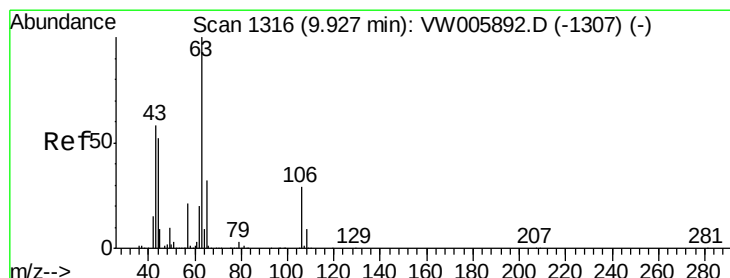
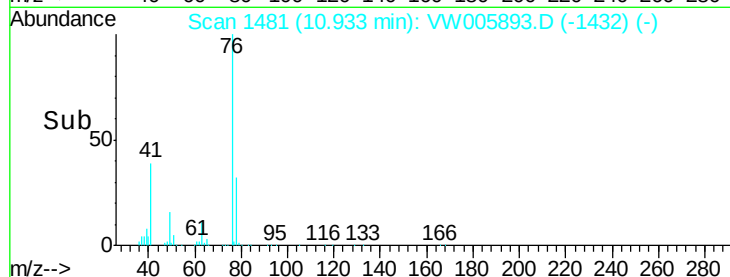
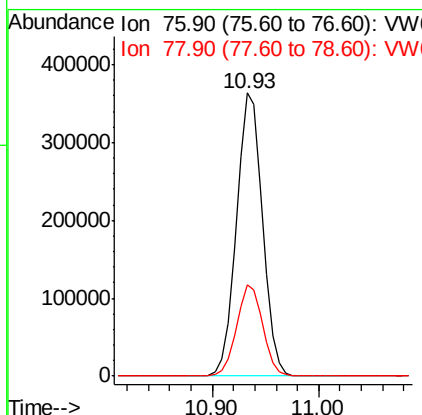
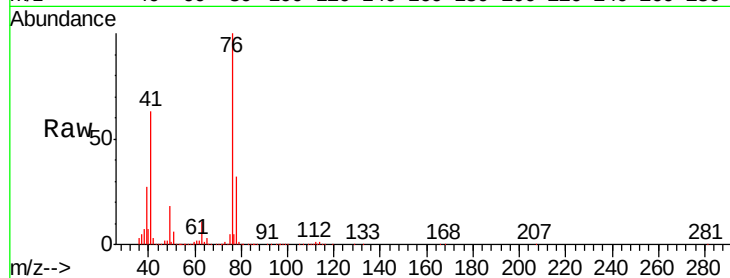
#57
 1,3-Dichloropropane
 Concen: 147.17 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion: 76 Resp: 624120
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6

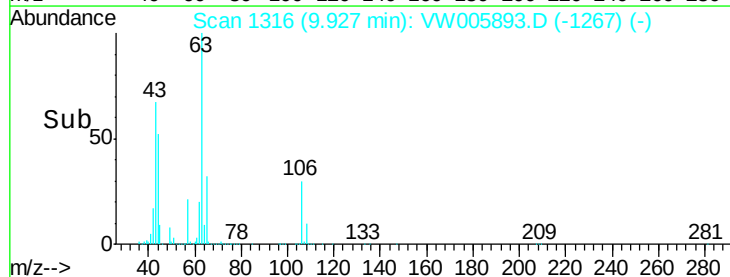
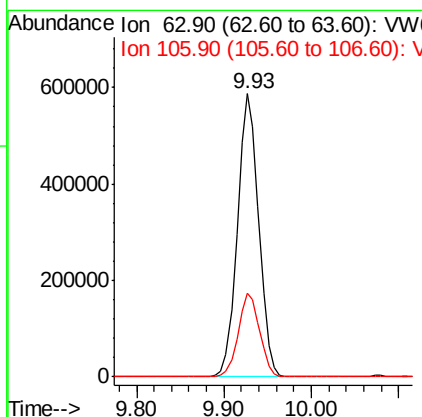
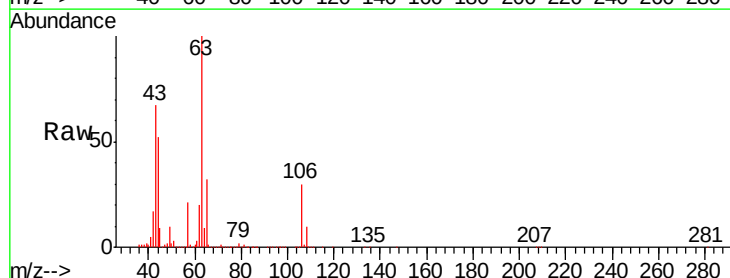
Manual Integrations
 APPROVED

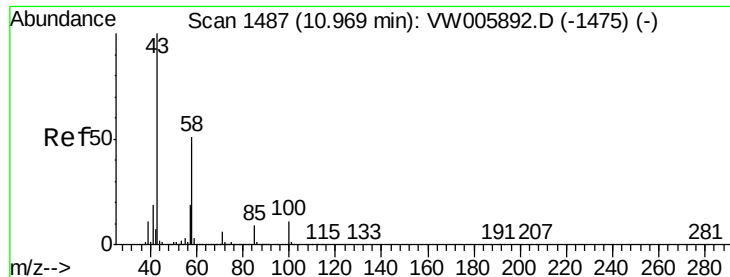
apatel
 10/9/2018 4:12:26 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 716.40 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Tgt Ion: 63 Resp: 990377
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.6 35.4





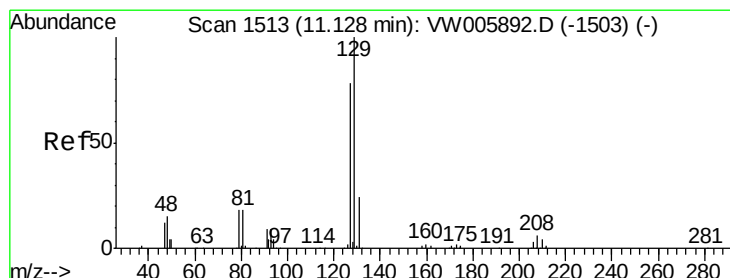
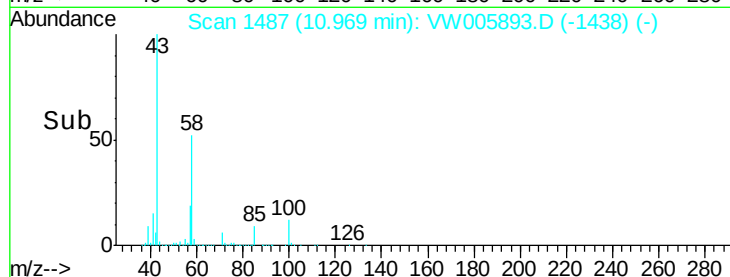
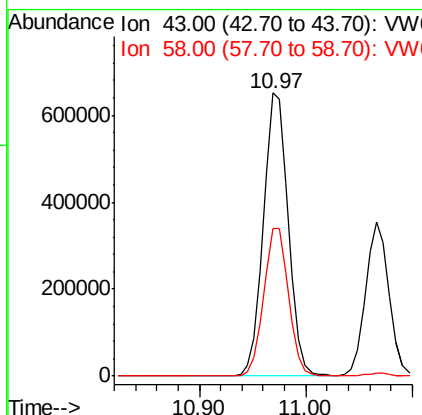
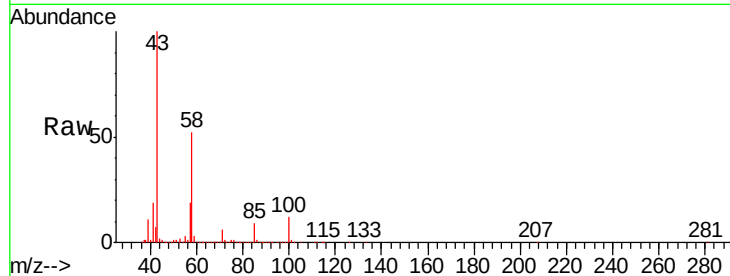
#59
2-Hexanone
Concen: 713.46 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Instrument :
MSVOA_W
ClientSampled :
VSTDICC150

Tgt Ion: 43 Resp: 1065140
Ion Ratio Lower Upper
43 100
58 52.6 25.7 77.1

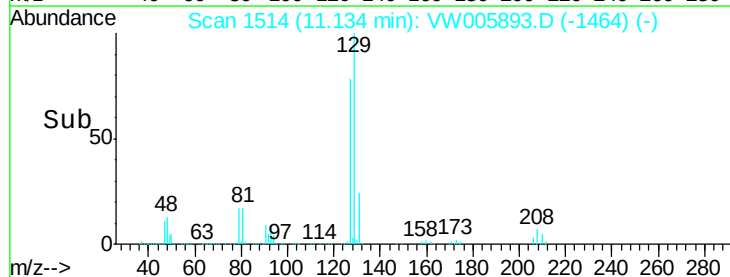
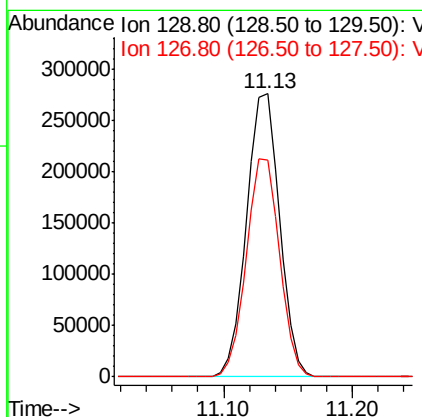
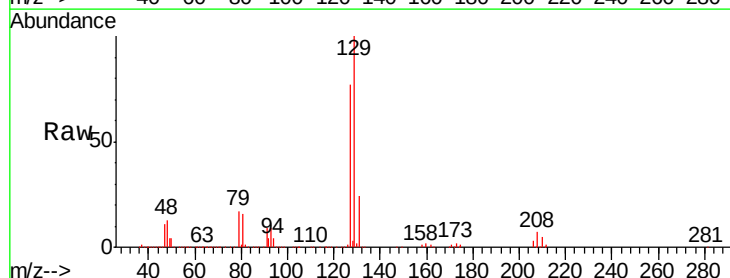
Manual Integrations
APPROVED

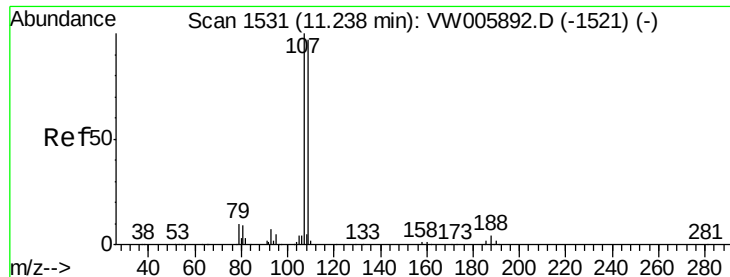
apatel
10/9/2018 4:12:26 PM



#60
Dibromochloromethane
Concen: 150.63 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Tgt Ion: 129 Resp: 489998
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.5





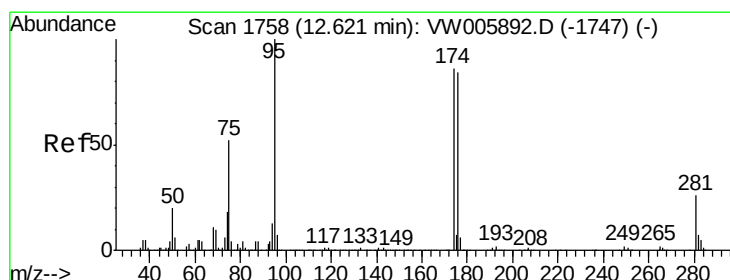
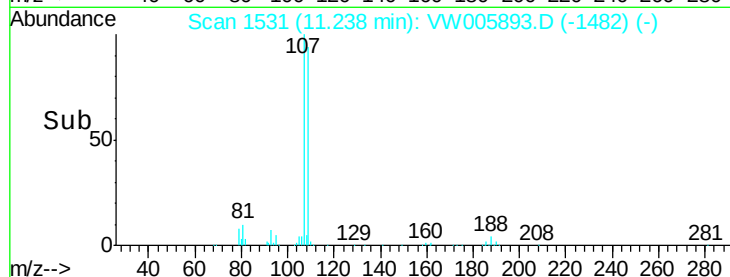
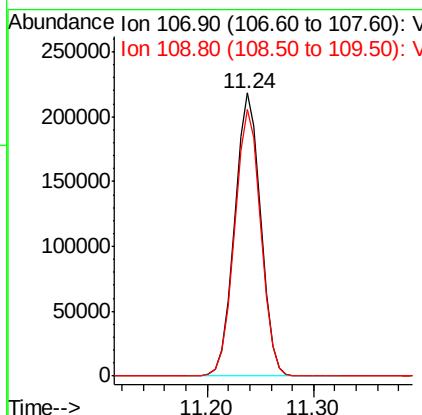
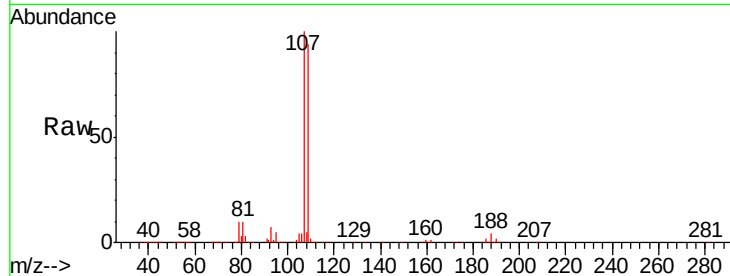
#61
 1,2-Dibromoethane
 Concen: 148.90 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion: 107 Resp: 375065
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.8 113.8

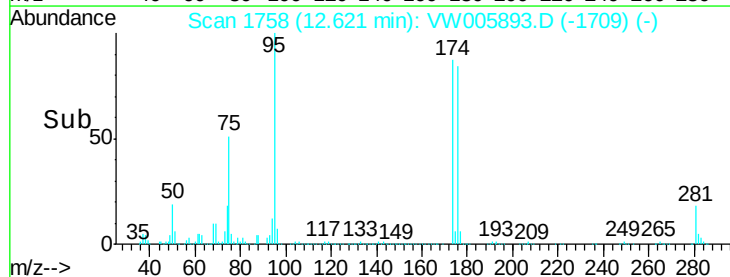
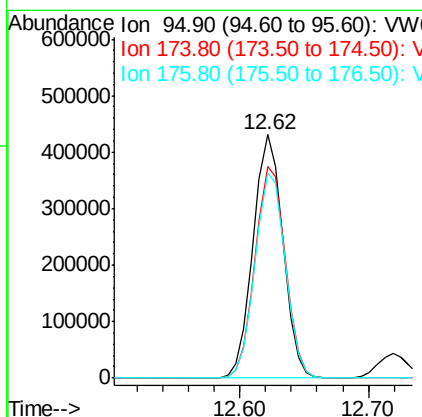
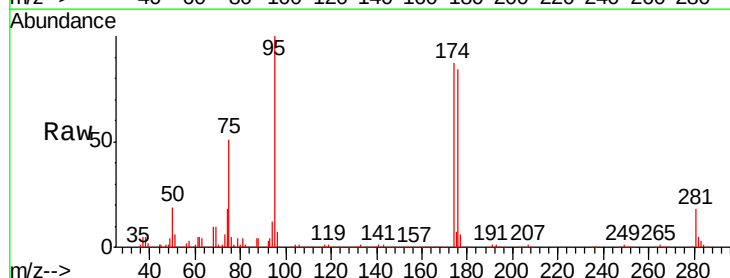
Manual Integrations
 APPROVED

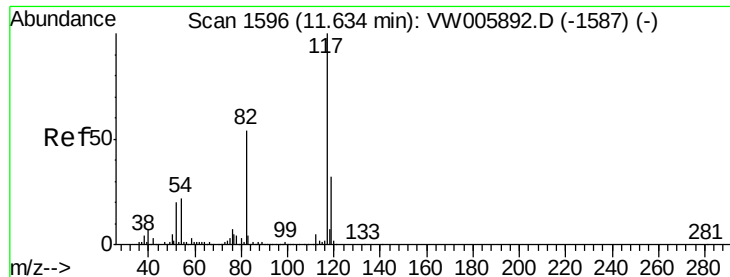
apatel
 10/9/2018 4:12:26 PM



#62
 4-Bromofluorobenzene
 Concen: 145.68 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Tgt Ion: 95 Resp: 686782
 Ion Ratio Lower Upper
 95 100
 174 88.3 0.0 176.4
 176 85.6 0.0 173.0





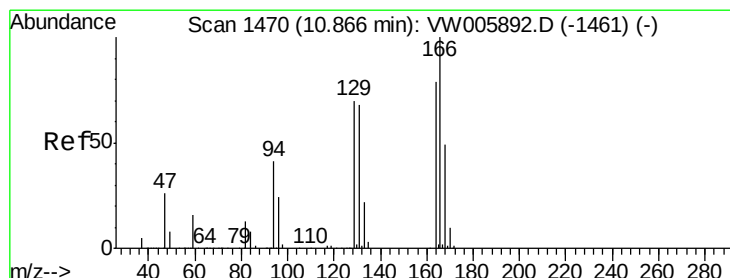
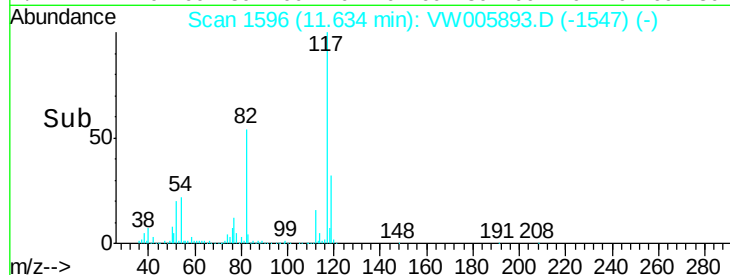
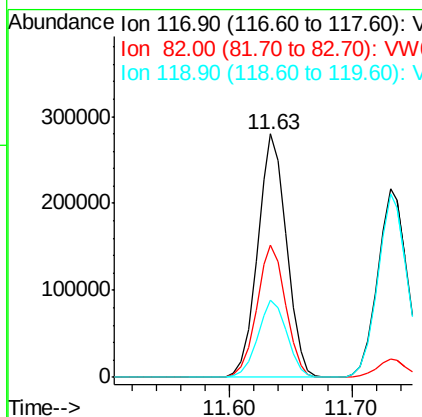
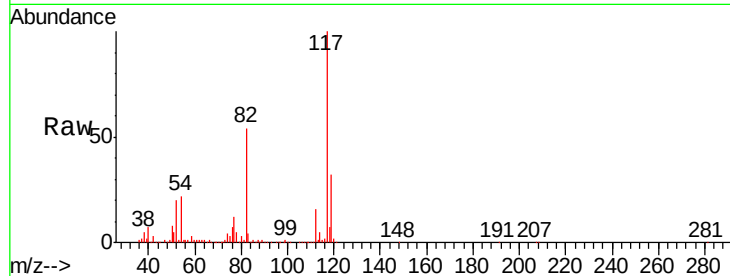
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	459110		
82	54.0	43.5	65.3	
119	31.8	25.4	38.2	

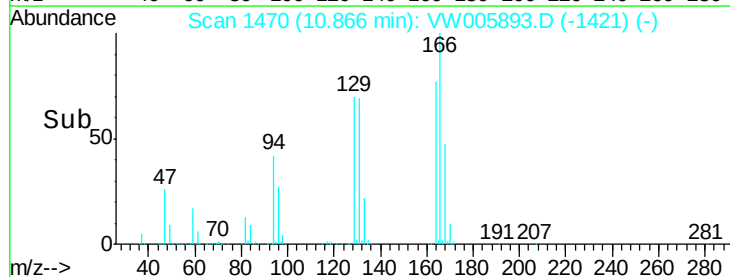
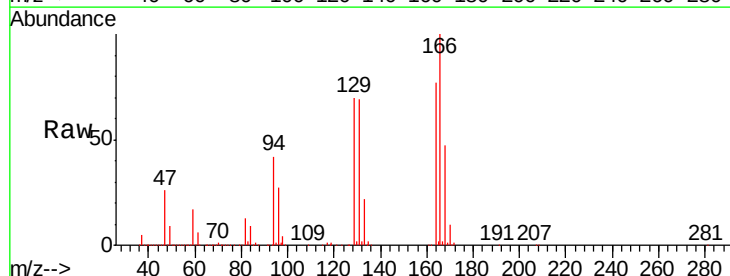
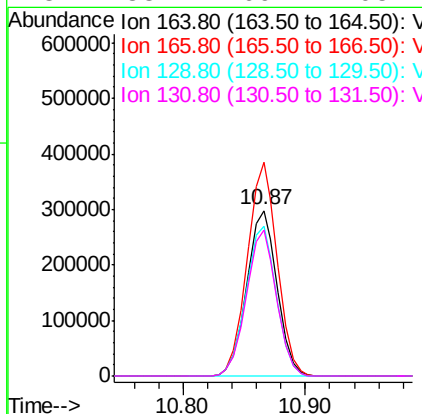
Manual Integrations
APPROVED

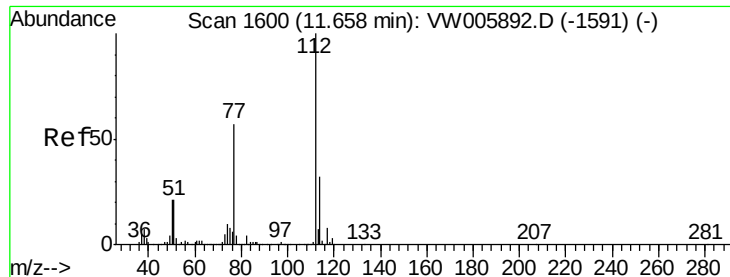
apatel
10/9/2018 4:12:26 PM



#64
Tetrachloroethene
Concen: 149.55 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	511434		
166	129.1	101.5	152.3	
129	90.6	71.1	106.7	
131	88.4	69.1	103.7	





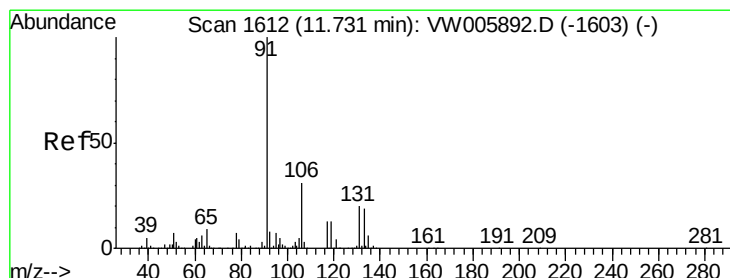
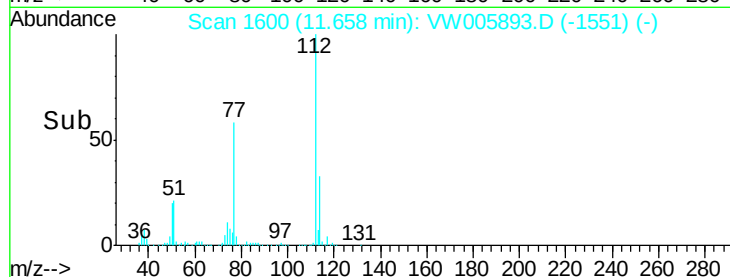
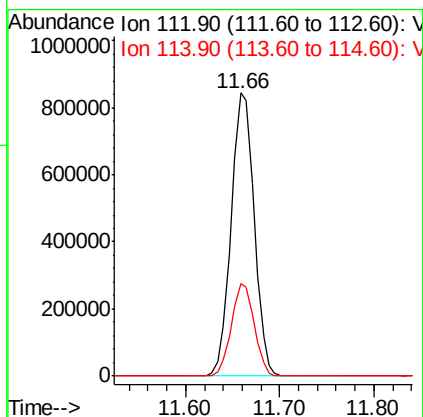
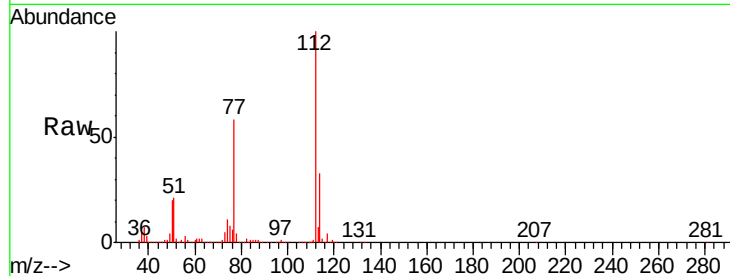
#65
Chlorobenzene
Concen: 145.67 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:112 Resp: 1432552
Ion Ratio Lower Upper
112 100
114 32.6 25.6 38.4

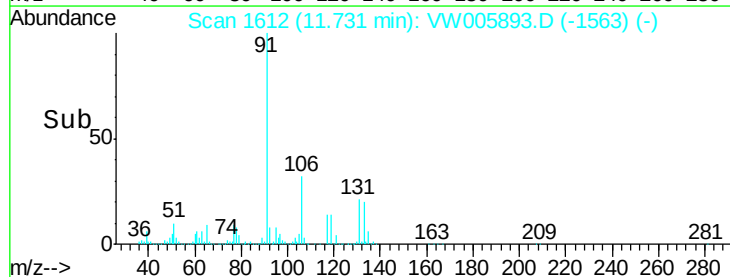
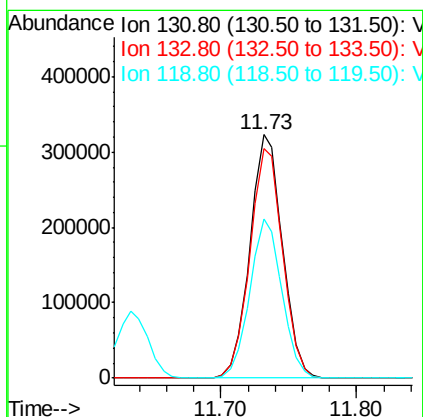
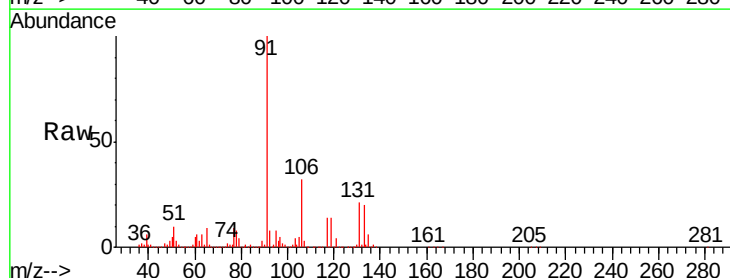
Manual Integrations
APPROVED

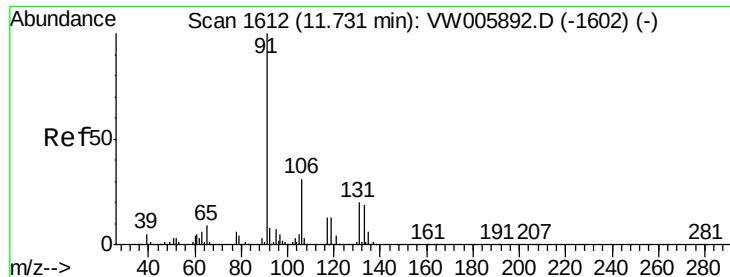
apatel
10/9/2018 4:12:26 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 149.78 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Tgt Ion:131 Resp: 539921
Ion Ratio Lower Upper
131 100
133 95.4 48.2 144.6
119 64.8 32.5 97.5





#67

Ethyl Benzene

Concen: 144.25 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 2505633

Ion Ratio Lower Upper

91 100

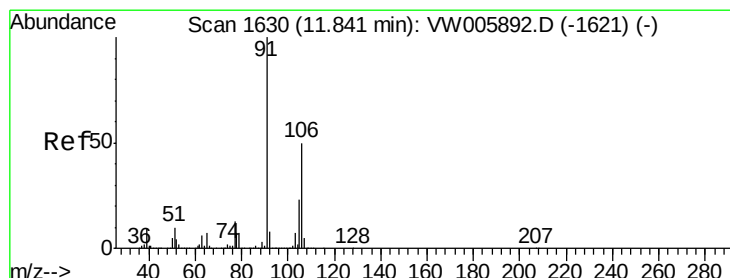
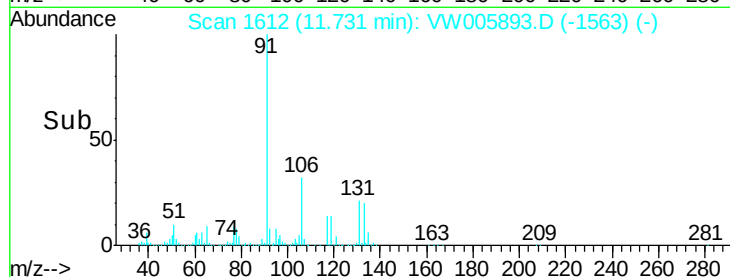
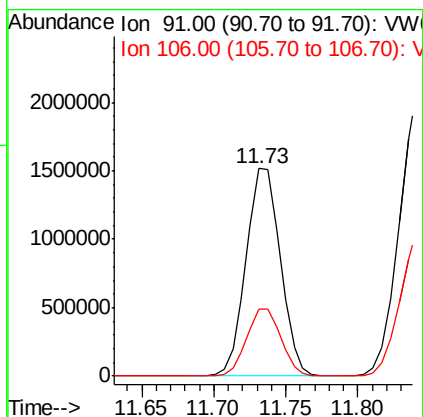
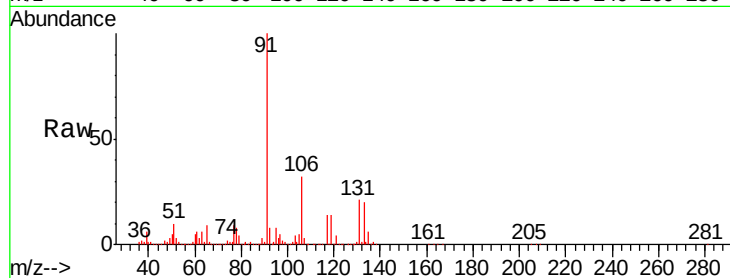
106 32.3 25.0 37.6

Manual Integrations

APPROVED

apatel

10/9/2018 4:12:26 PM



#68

m/p-Xylenes

Concen: 290.59 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW005893.D

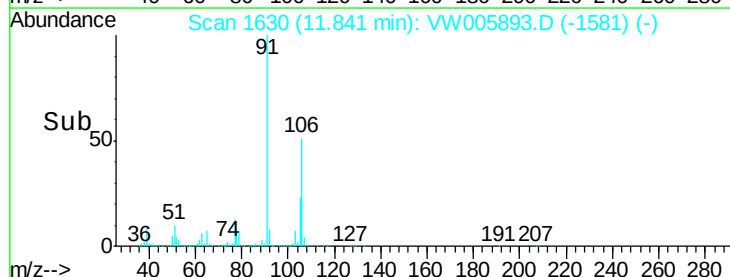
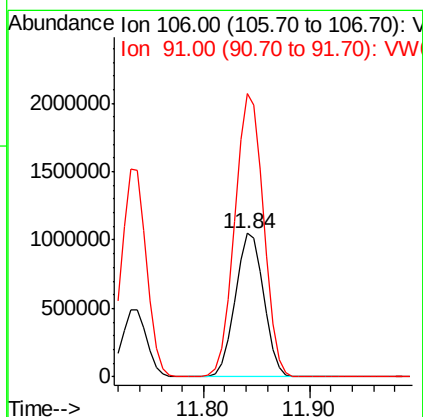
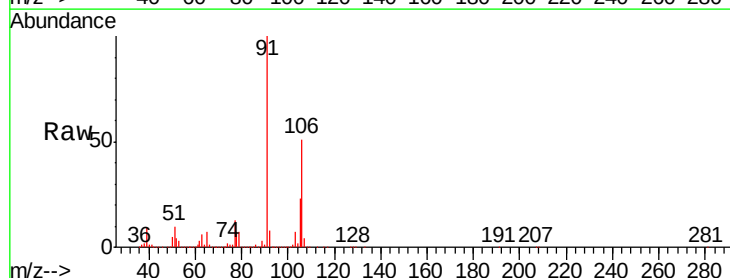
Acq: 08 Oct 2018 13:32

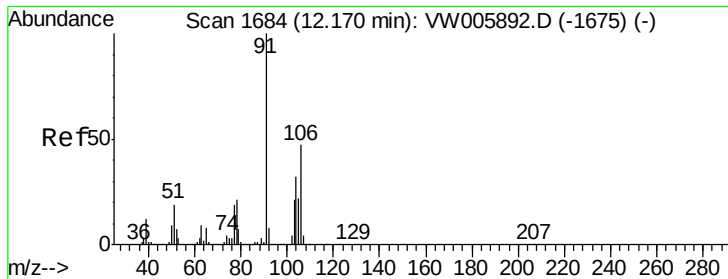
Tgt Ion: 106 Resp: 1972609

Ion Ratio Lower Upper

106 100

91 198.9 160.2 240.2





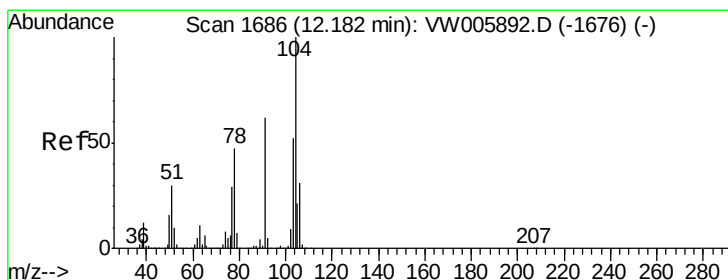
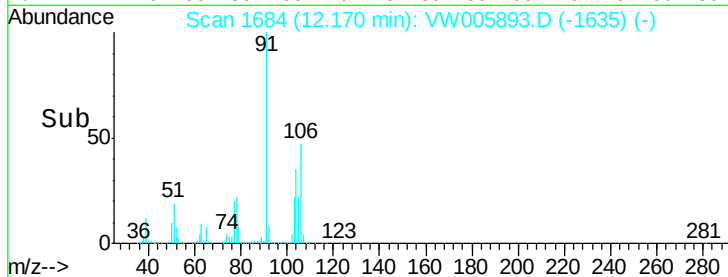
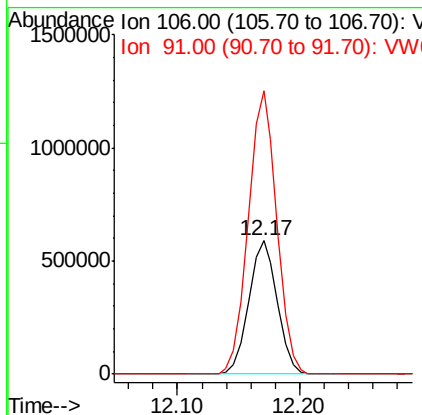
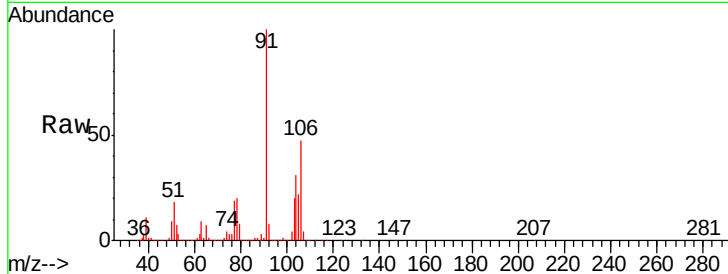
#69
o-Xylene
Concen: 146.40 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 951400
Ion Ratio Lower Upper
106 100
91 212.2 106.2 318.5

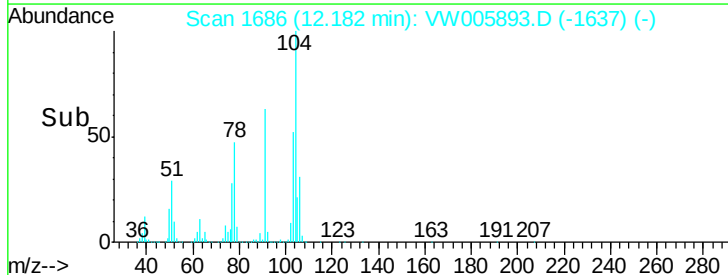
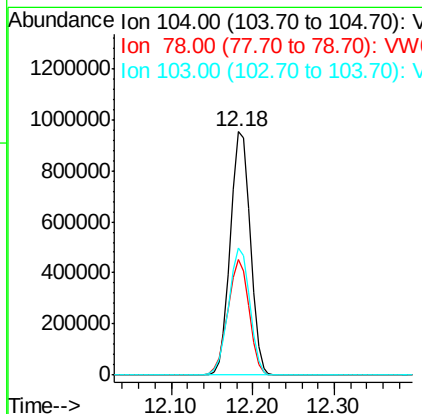
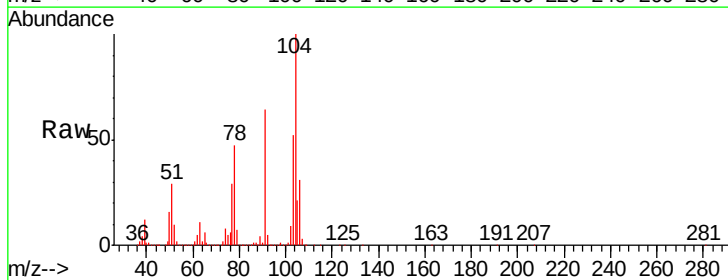
Manual Integrations
APPROVED

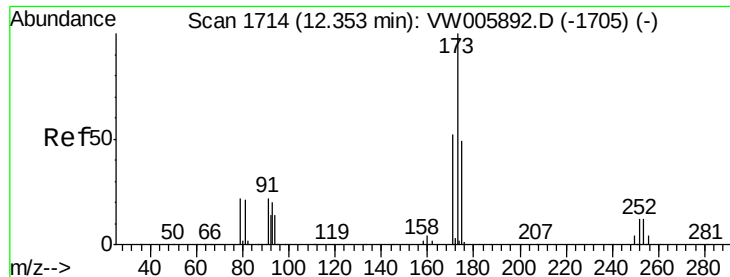
apatel
10/9/2018 4:12:26 PM



#70
Styrene
Concen: 147.63 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Tgt Ion:104 Resp: 1591821
Ion Ratio Lower Upper
104 100
78 50.7 40.4 60.6
103 55.3 44.2 66.2





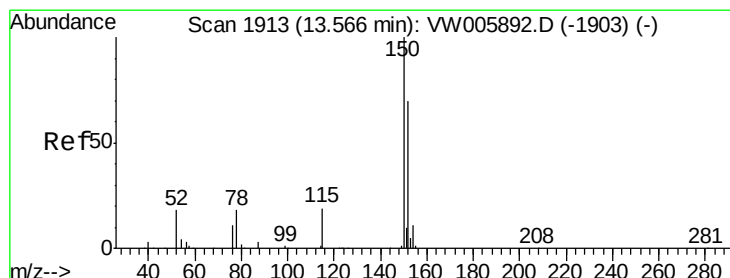
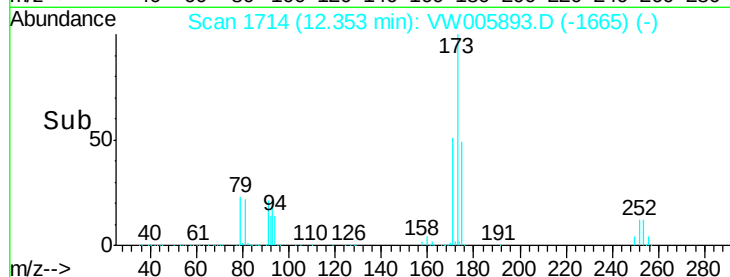
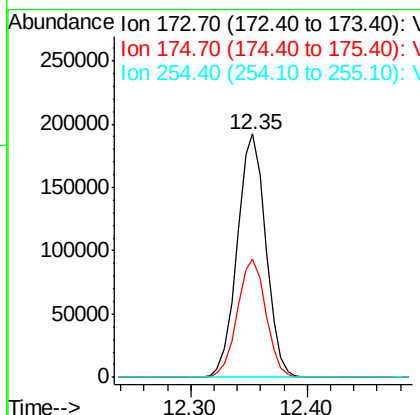
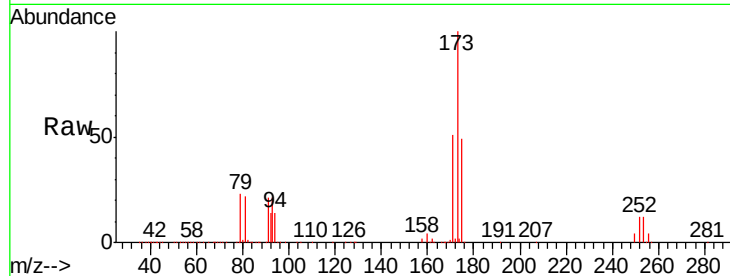
#71
Bromoform
Concen: 153.10 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.7	74.1
254	0.1	0.2	0.2

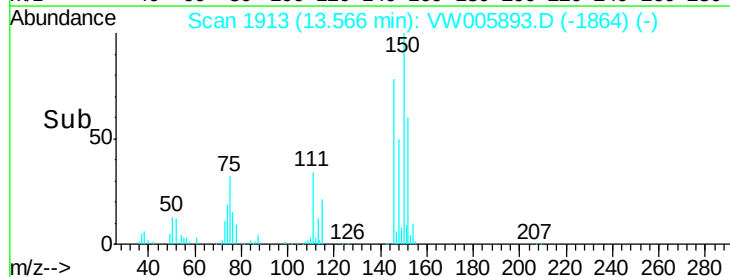
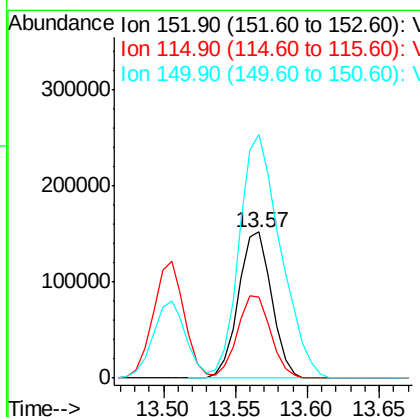
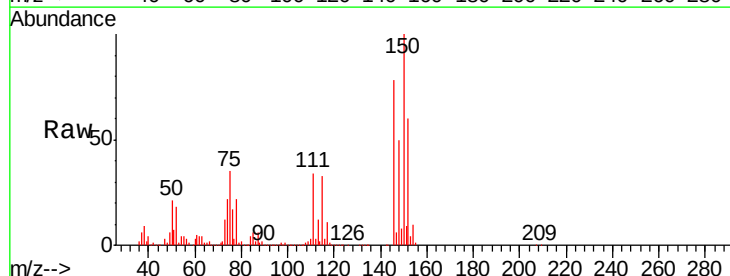
Manual Integrations
APPROVED

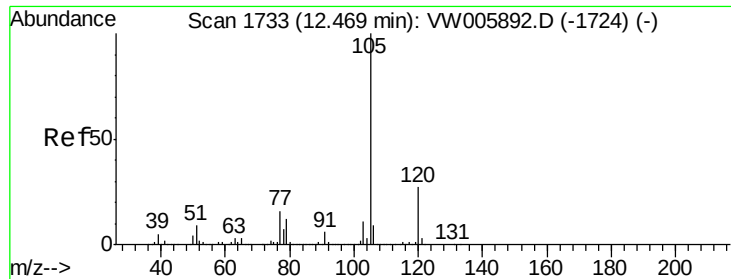
apatel
10/9/2018 4:12:26 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.3	85.0
150	206.0	0.0	349.2





#73

Isopropylbenzene

Concen: 146.91 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 105 Resp: 2616050

Ion Ratio Lower Upper

105 100

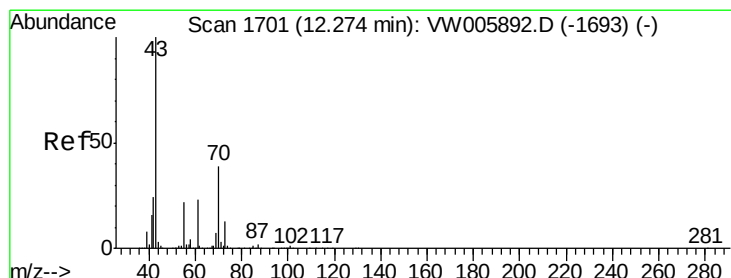
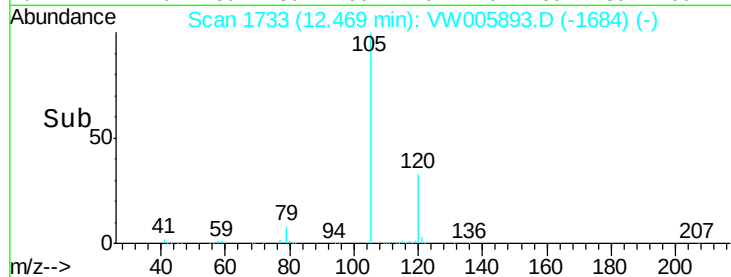
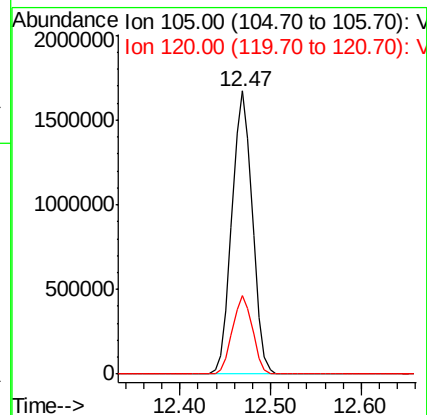
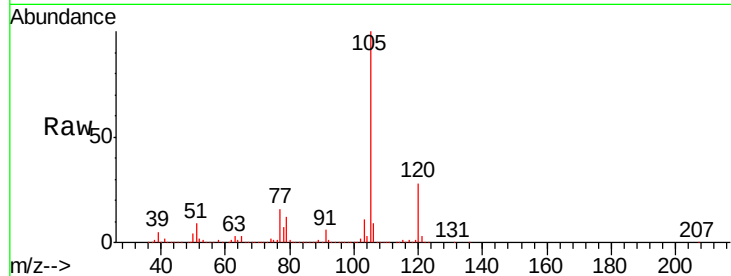
120 27.4 13.6 40.8

Manual Integrations

APPROVED

apatel

10/9/2018 4:12:26 PM



#74

N-ethyl acetate

Concen: 148.77 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Tgt Ion: 43 Resp: 629190

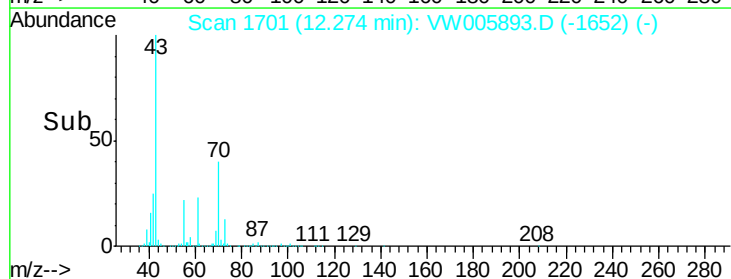
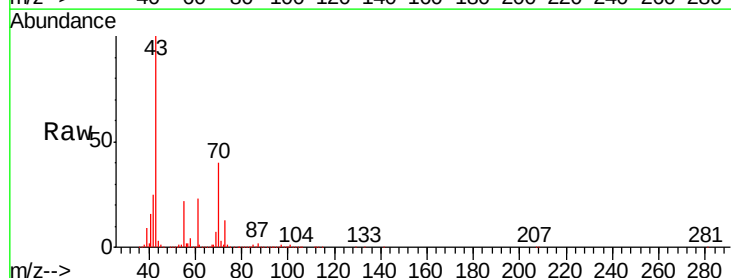
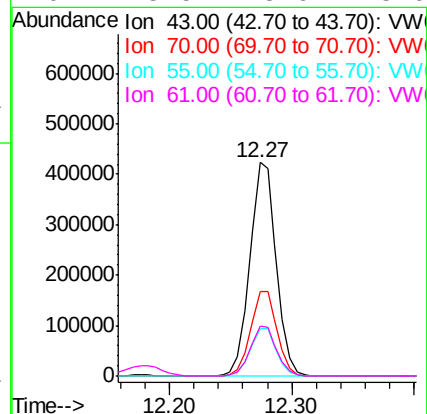
Ion Ratio Lower Upper

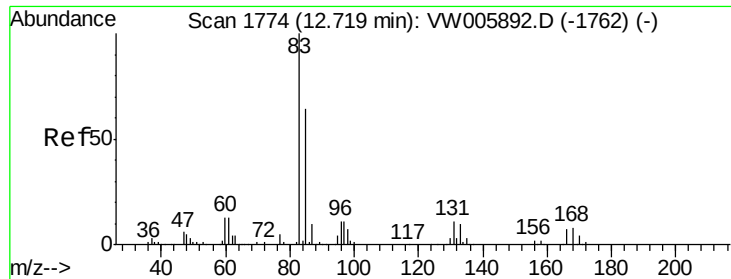
43 100

70 40.2 31.6 47.4

55 22.3 17.9 26.9

61 23.5 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 147.28 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

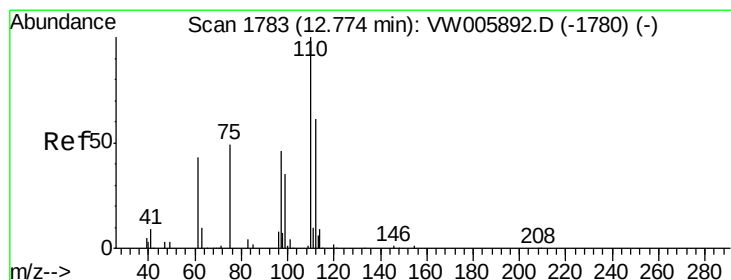
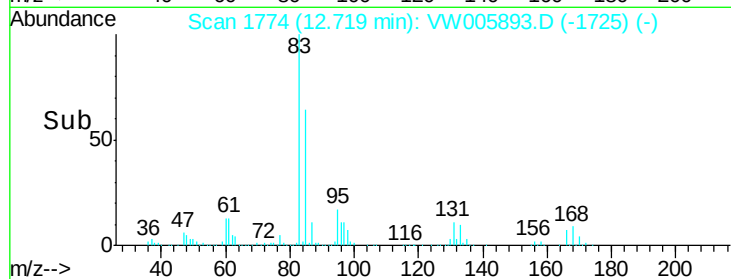
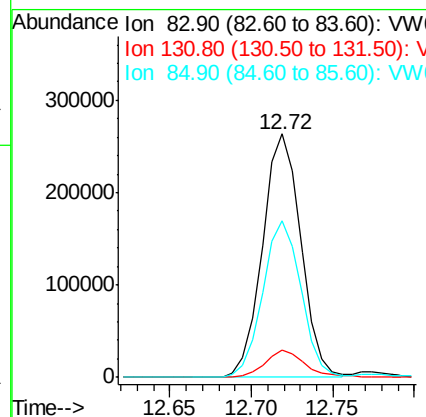
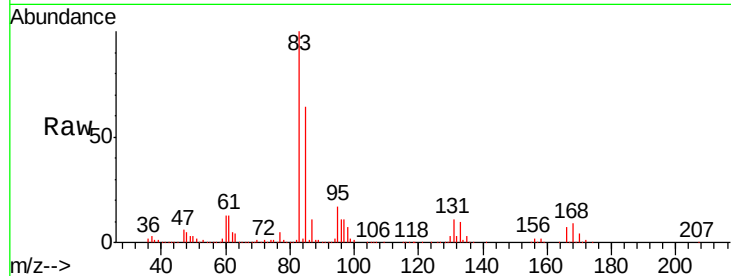
ClientSampled :

VSTDIC150

Tgt Ion:	83	Resp:	429892
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.8	17.3
85	64.7	32.4	97.0

Manual Integrations
APPROVED

apatel
10/9/2018 4:12:26 PM



#76

1,2,3-Trichloropropane

Concen: 89.85 ug/l m

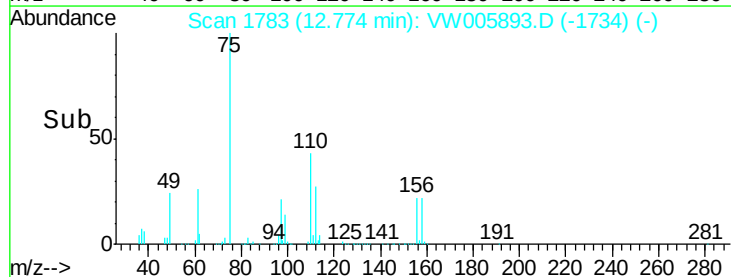
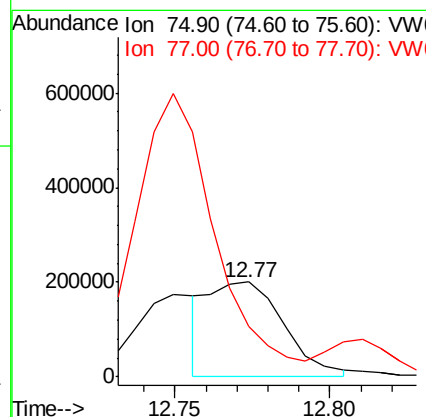
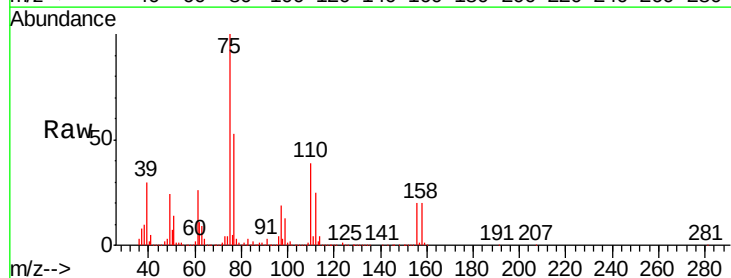
RT: 12.77 min Scan# 1783

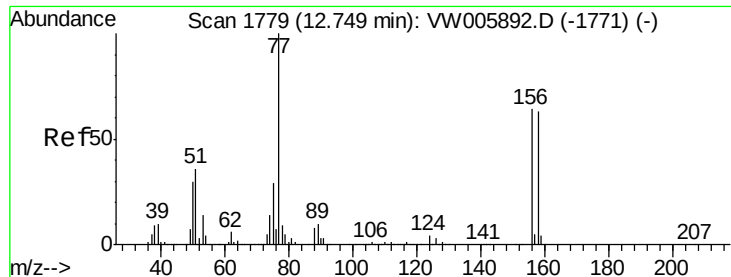
Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Tgt Ion:	75	Resp:	335316
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 149.34 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

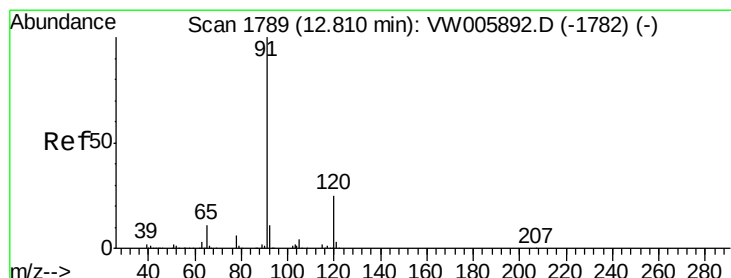
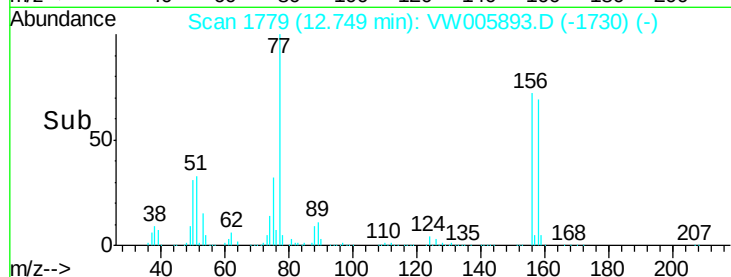
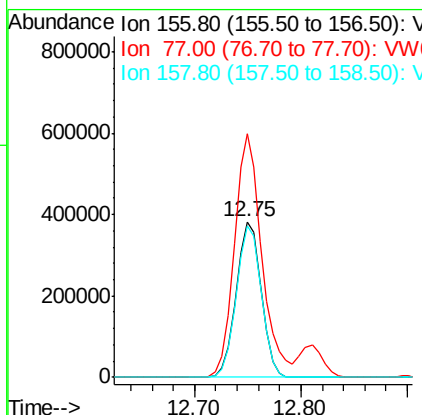
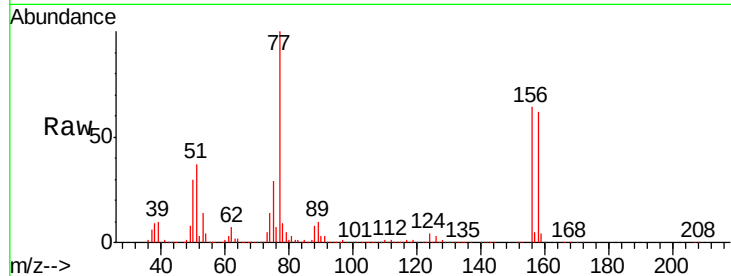
ClientSampled :

VSTDIC150

Tgt Ion:	156	Resp:	630065
Ion Ratio	Lower	Upper	
156	100		
77	170.8	85.8	257.4
158	97.6	49.1	147.4

Manual Integrations
APPROVED

apatel
10/9/2018 4:12:26 PM



#78

n-propylbenzene

Concen: 144.25 ug/l

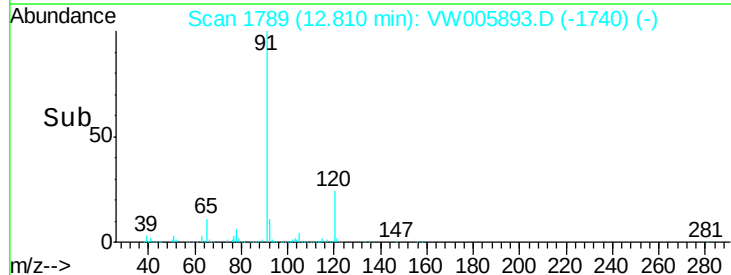
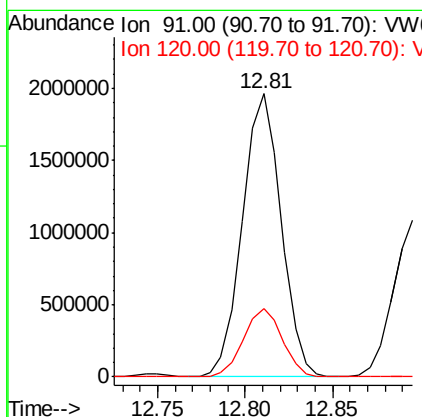
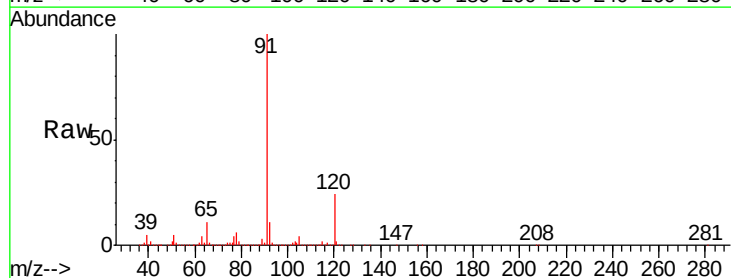
RT: 12.81 min Scan# 1789

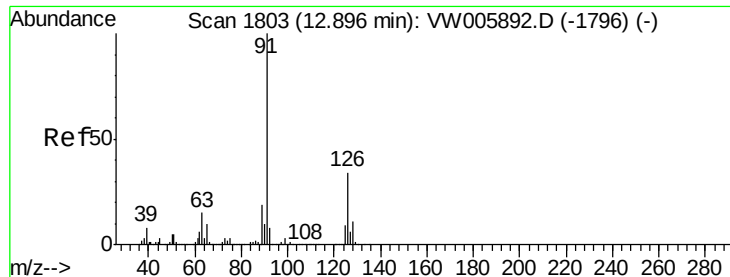
Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Tgt Ion:	91	Resp:	3021657
Ion Ratio	Lower	Upper	
91	100		
120	24.1	12.0	36.0





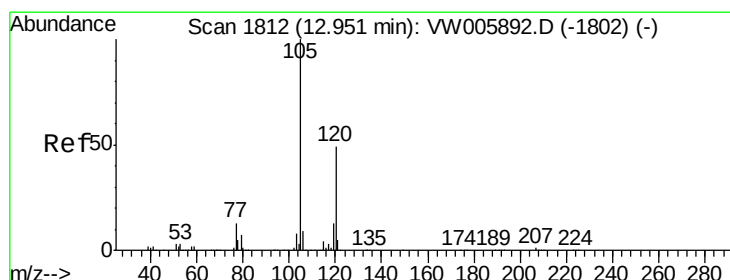
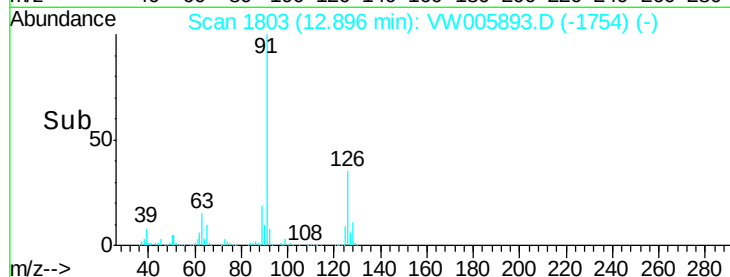
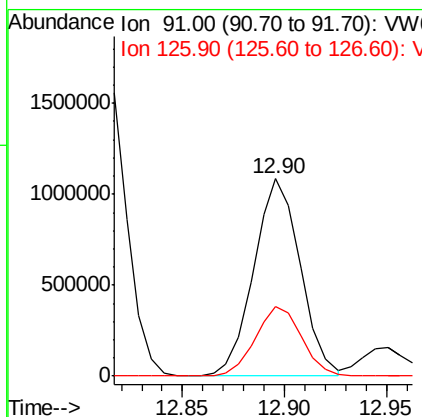
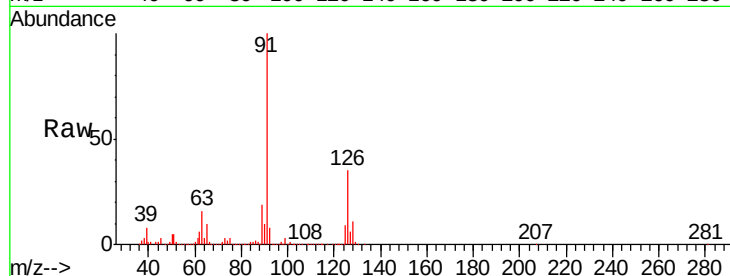
#79
 2-Chlorotoluene
 Concen: 145.73 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion: 91 Resp: 1723271
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.5 52.5

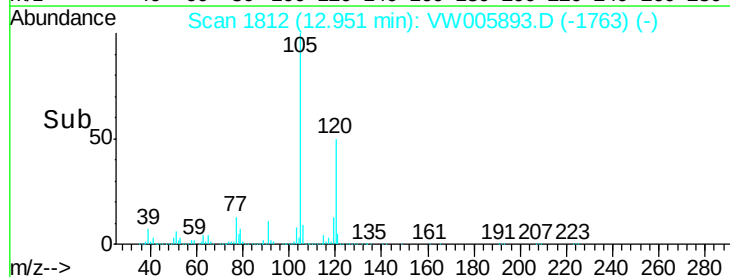
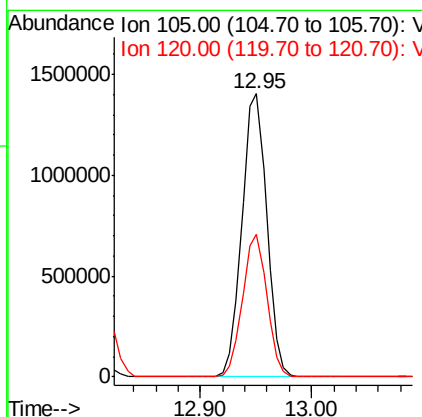
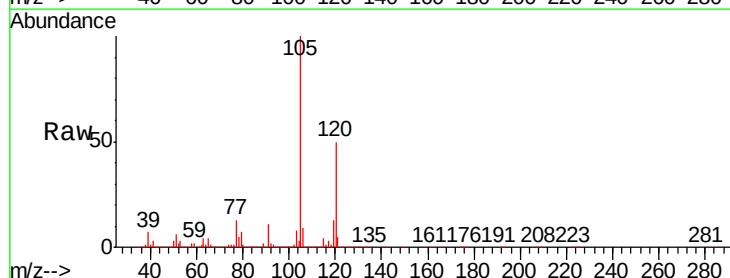
Manual Integrations
 APPROVED

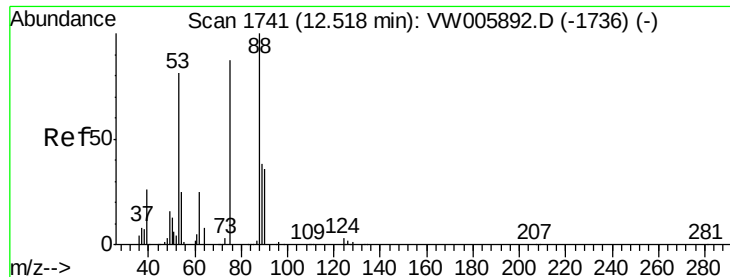
apatel
 10/9/2018 4:12:26 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 144.52 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Tgt Ion: 105 Resp: 2172749
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.6 73.8





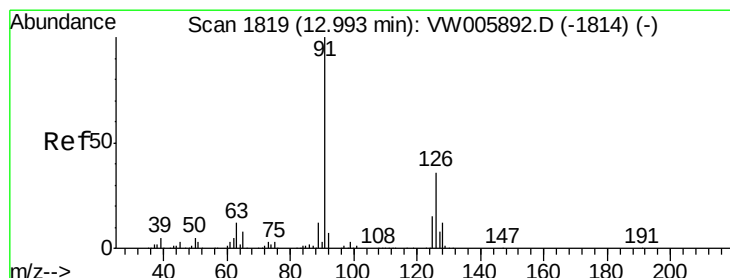
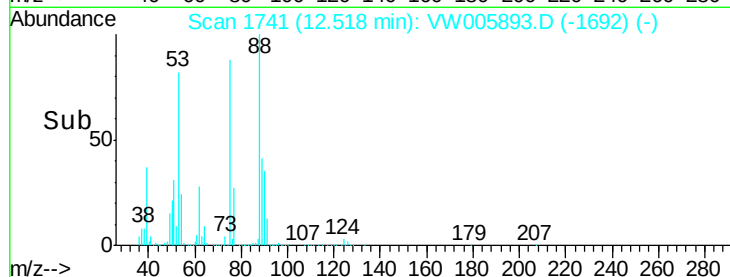
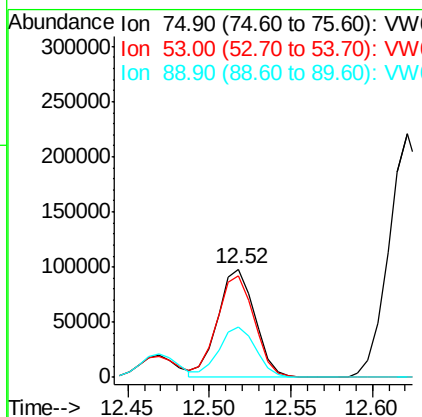
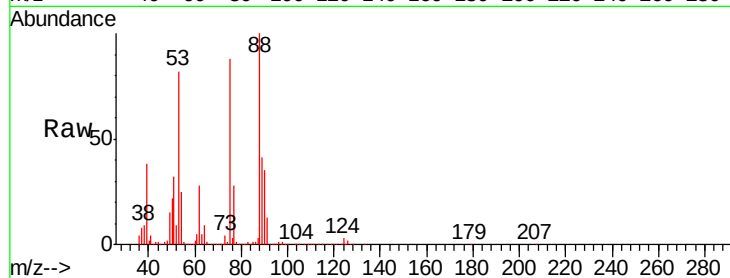
#81
trans-1,4-Dichloro-2-butene
Concen: 149.68 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
75	100		
53	93.9	76.5	114.7
89	45.9	37.6	56.4

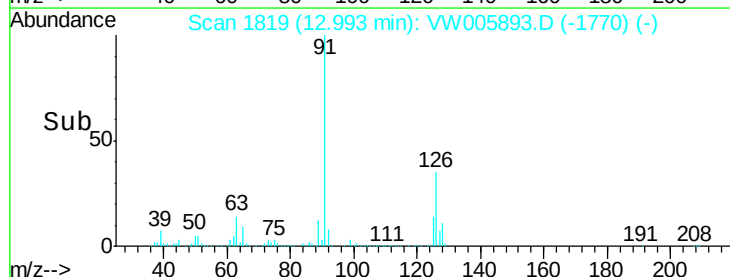
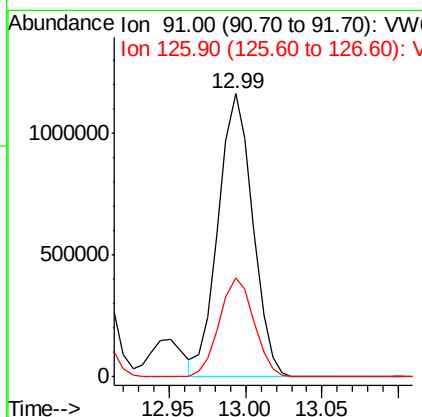
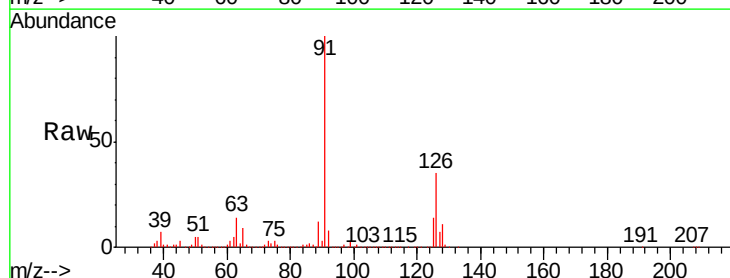
Manual Integrations
APPROVED

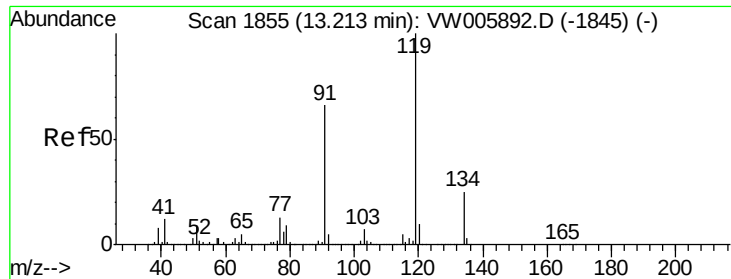
apatel
10/9/2018 4:12:26 PM



#82
4-Chlorotoluene
Concen: 146.22 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.4	52.2





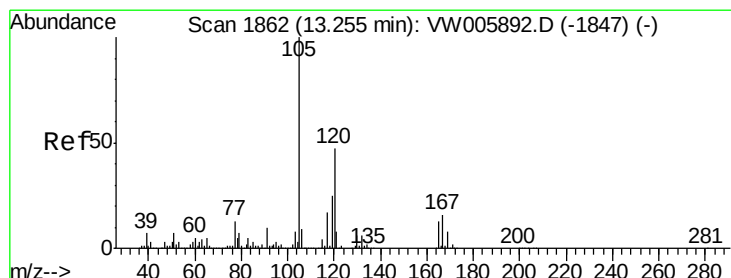
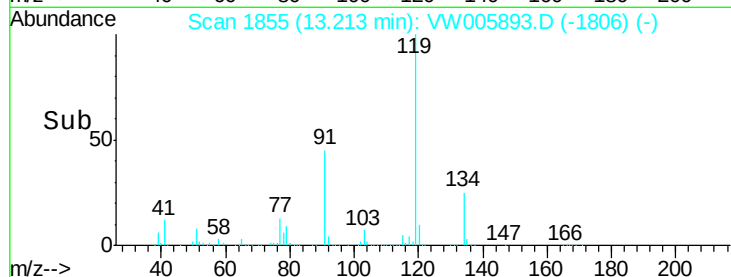
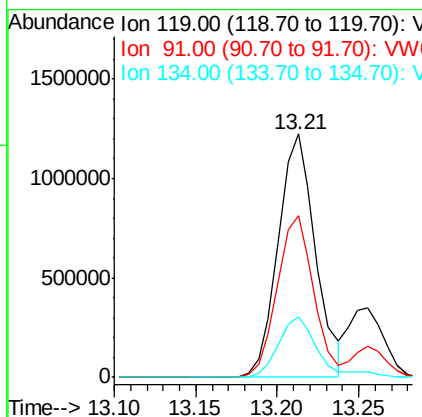
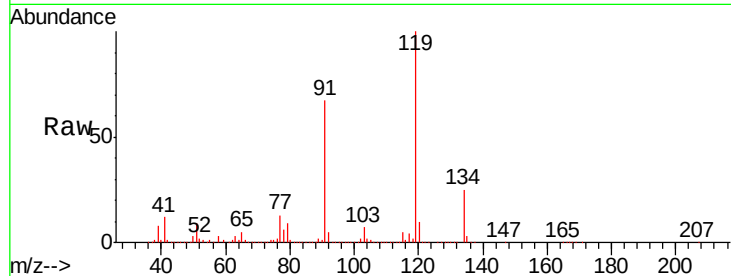
#83
 tert-Butylbenzene
 Concen: 145.73 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion:119 Resp: 1948734
 Ion Ratio Lower Upper
 119 100
 91 64.9 32.4 97.0
 134 26.4 13.2 39.6

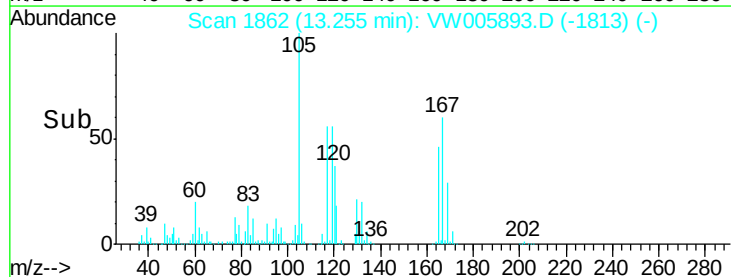
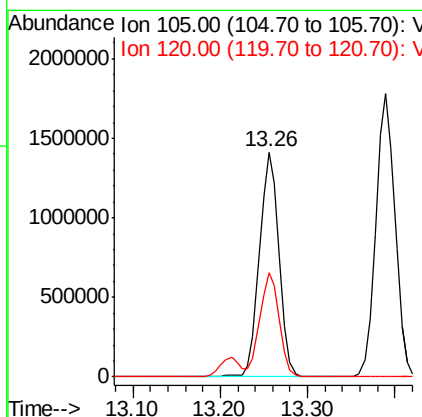
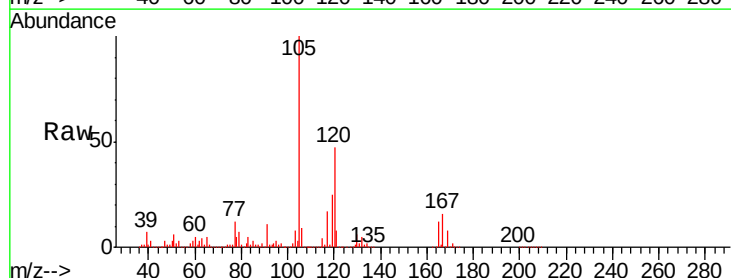
Manual Integrations
 APPROVED

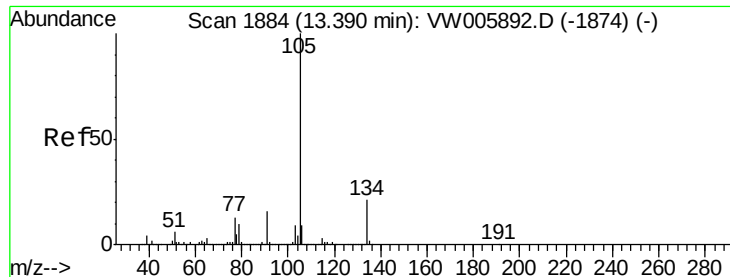
apatel
 10/9/2018 4:12:26 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 144.16 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Tgt Ion:105 Resp: 2186220
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.8 68.3





#85

sec-Butylbenzene

Concen: 143.56 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion:105 Resp: 2694604

Ion Ratio Lower Upper

105 100

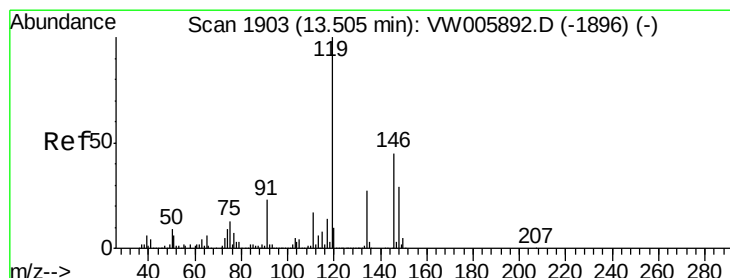
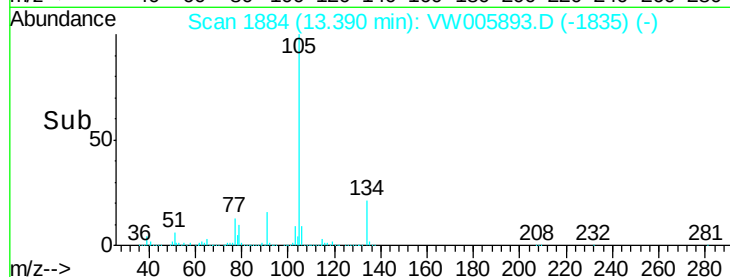
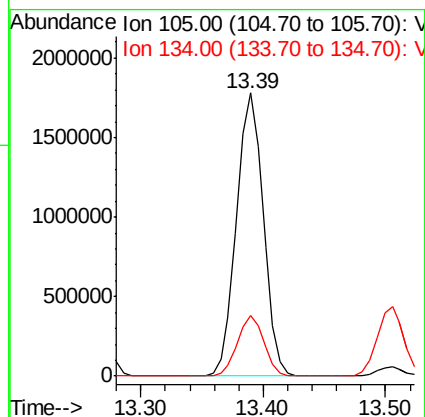
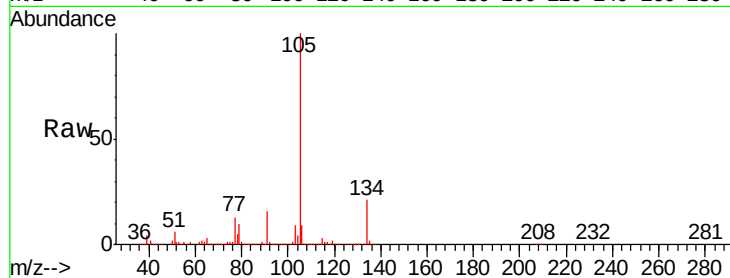
134 21.1 10.4 31.4

Manual Integrations

APPROVED

apatel

10/9/2018 4:12:26 PM



#86

p-Isopropyltoluene

Concen: 144.07 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

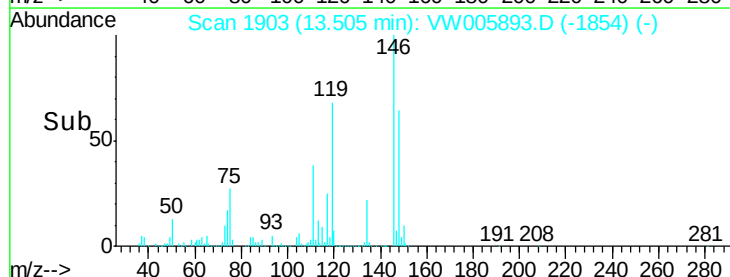
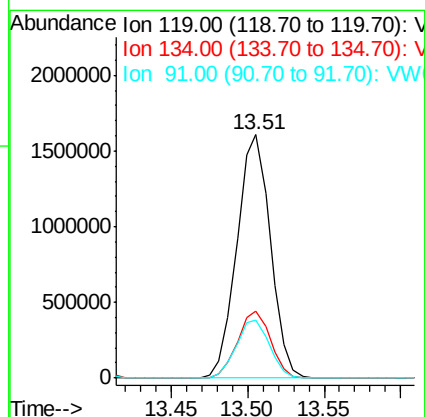
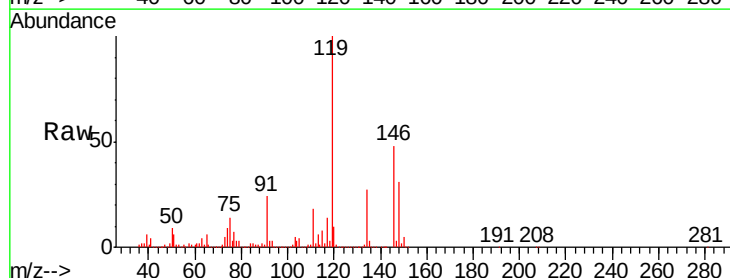
Tgt Ion:119 Resp: 2431897

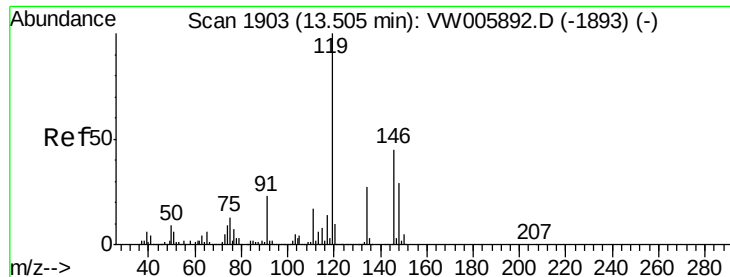
Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.5

91 23.8 11.9 35.5





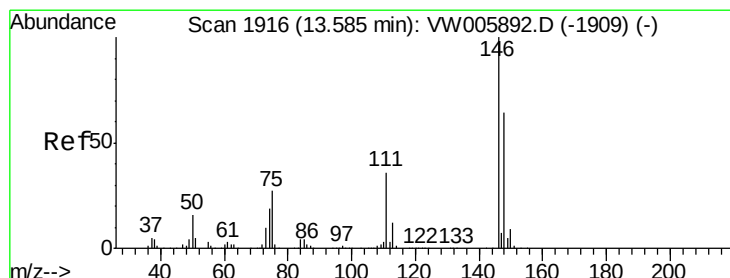
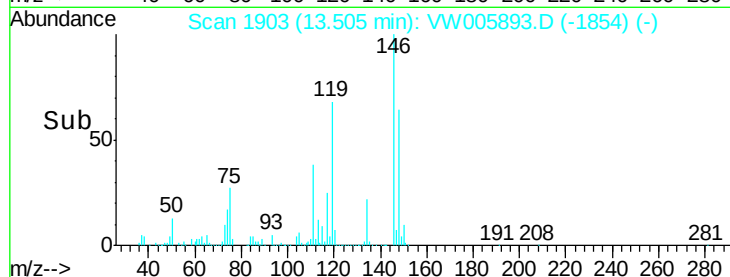
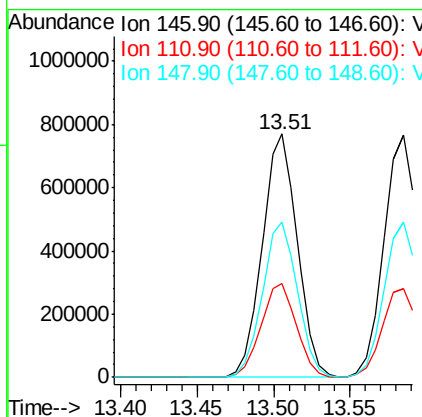
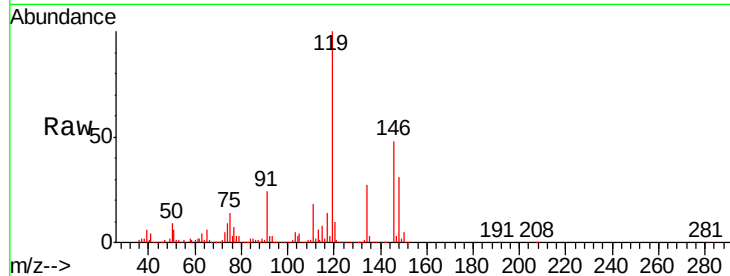
#87
 1,3-Dichlorobenzene
 Concen: 146.37 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion:146 Resp: 1226885
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.5 58.5
 148 63.9 32.1 96.5

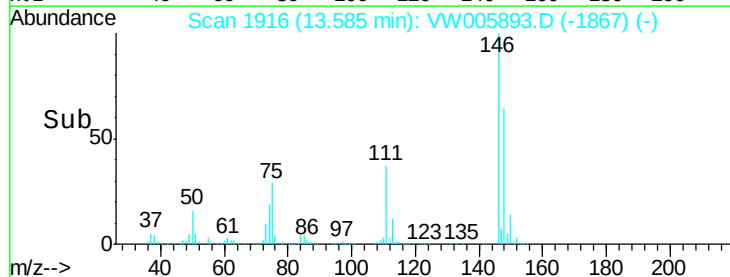
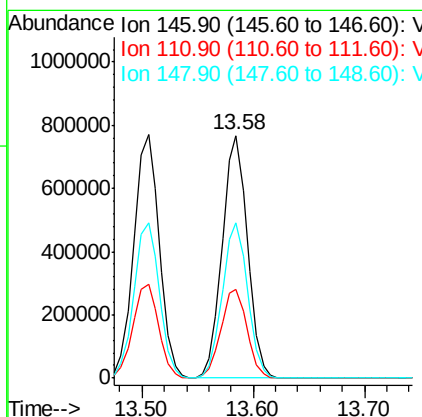
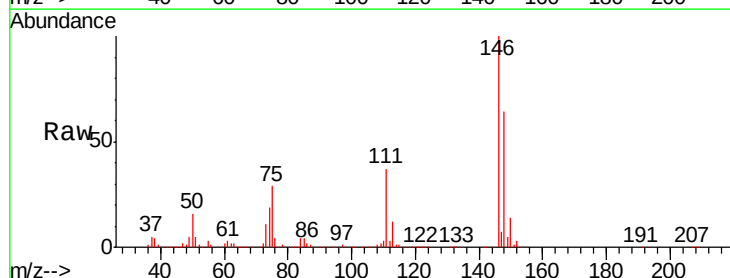
Manual Integrations
 APPROVED

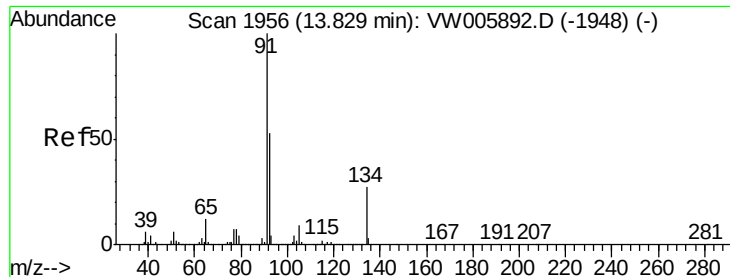
apatel
 10/9/2018 4:12:26 PM



#88
 1,4-Dichlorobenzene
 Concen: 144.56 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Tgt Ion:146 Resp: 1204047
 Ion Ratio Lower Upper
 146 100
 111 37.5 19.0 57.0
 148 64.2 32.0 96.2





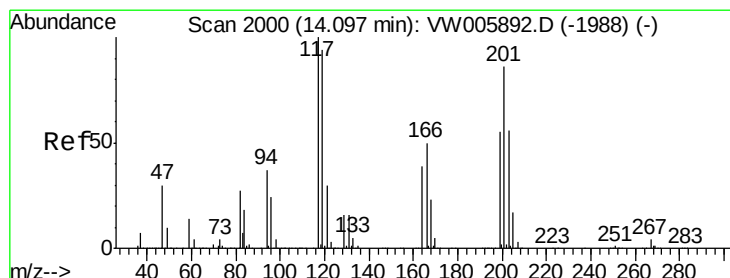
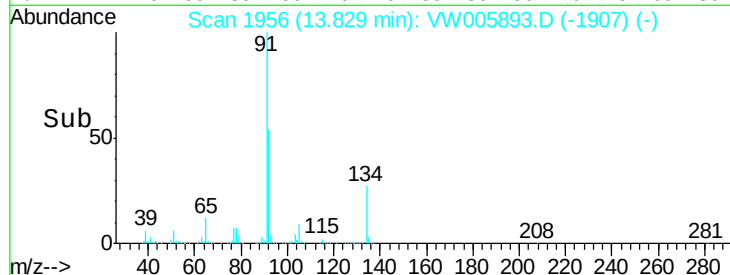
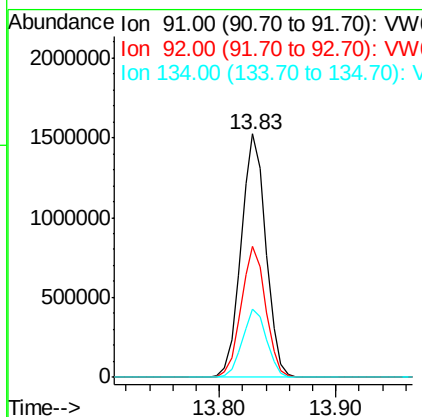
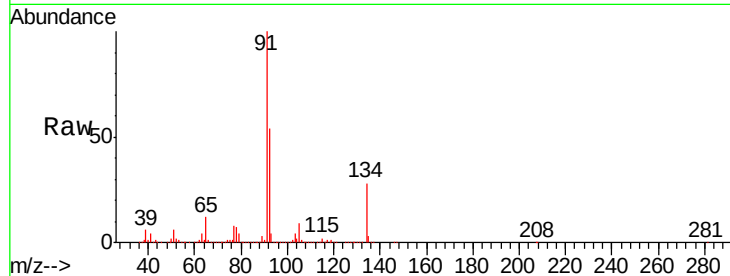
#89
n-Butylbenzene
Concen: 141.79 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.6	79.8
134	27.8	13.8	41.4

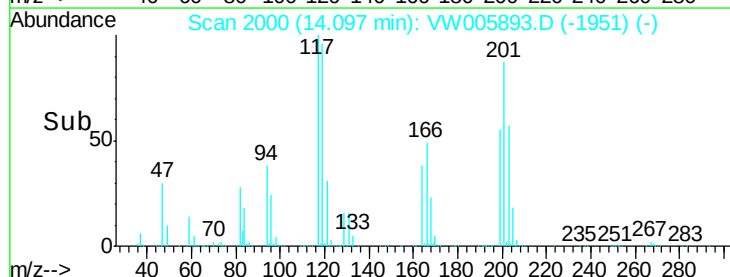
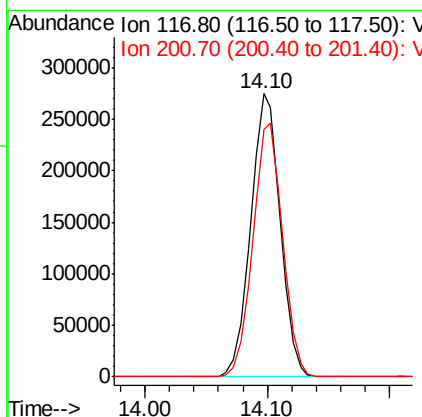
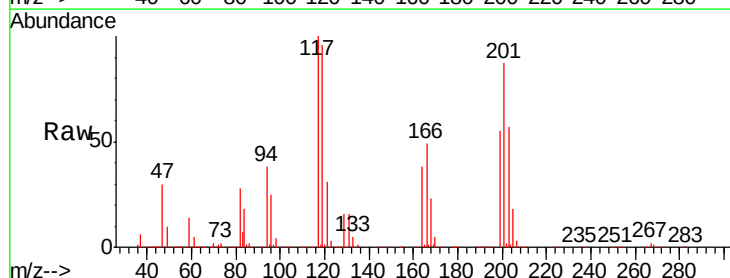
Manual Integrations
APPROVED

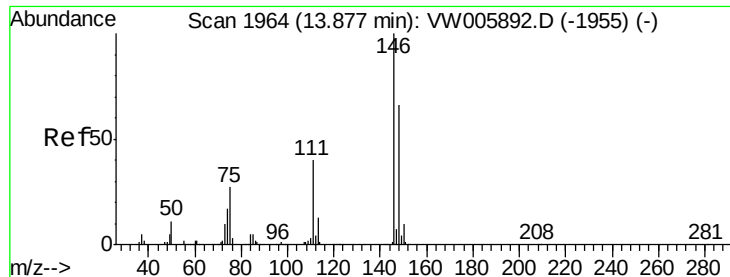
apatel
10/9/2018 4:12:26 PM



#90
Hexachloroethane
Concen: 145.15 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.4	44.5	133.5





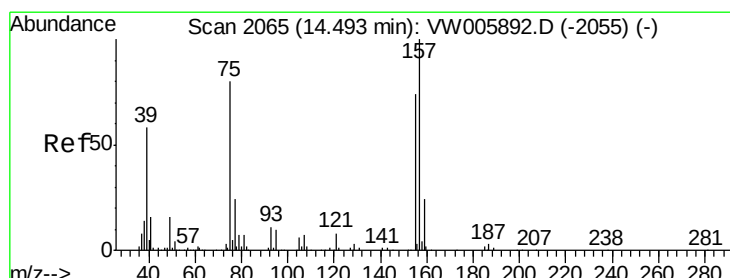
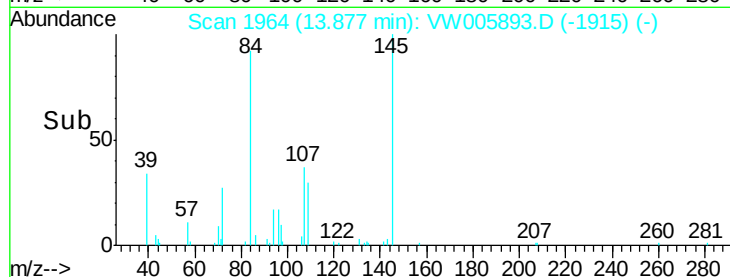
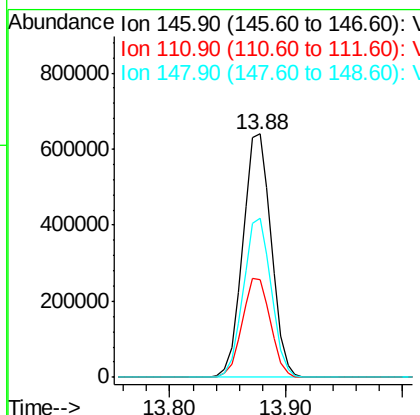
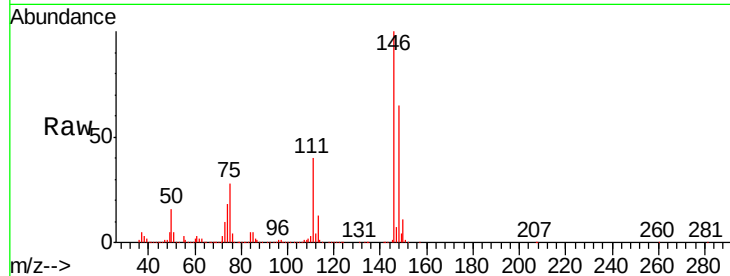
#91
 1,2-Dichlorobenzene
 Concen: 145.81 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	61.0
148	64.5	32.5	97.4

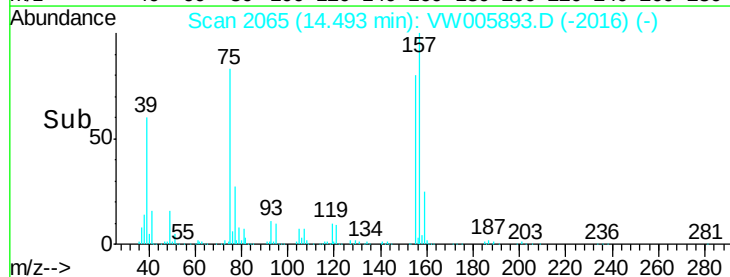
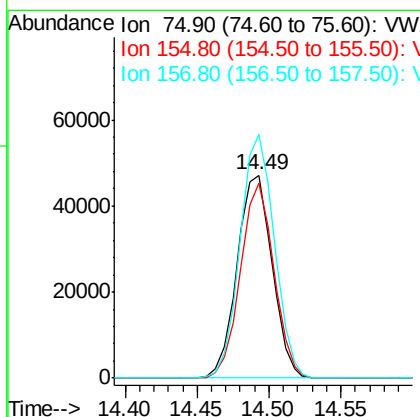
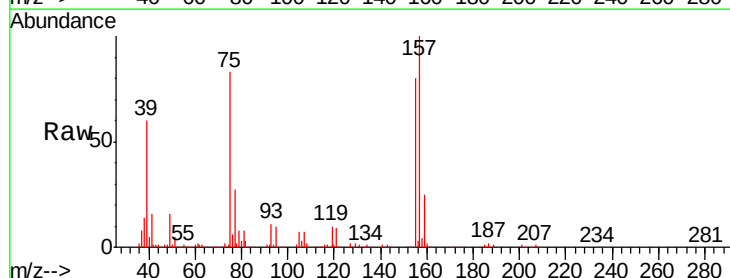
Manual Integrations
 APPROVED

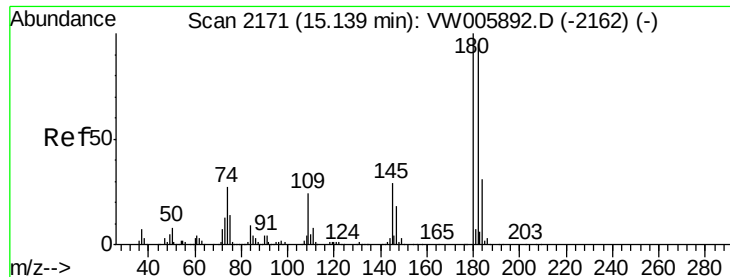
apatel
 10/9/2018 4:12:26 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 146.78 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.1	44.8	134.3
157	117.0	58.9	176.6





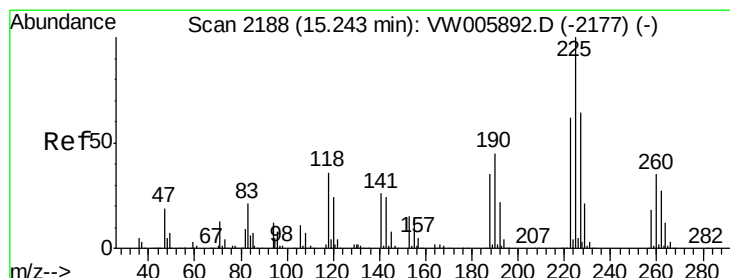
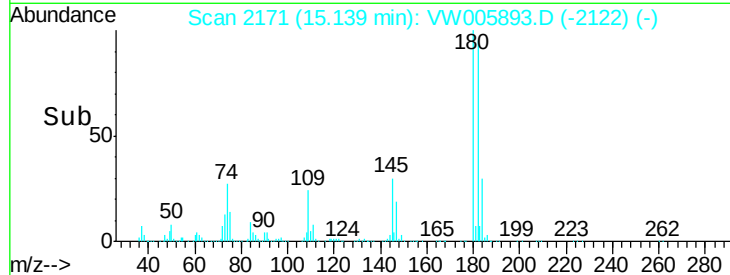
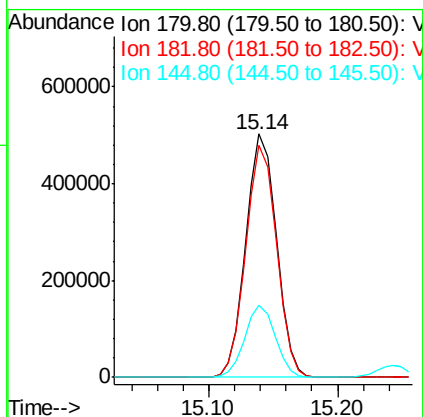
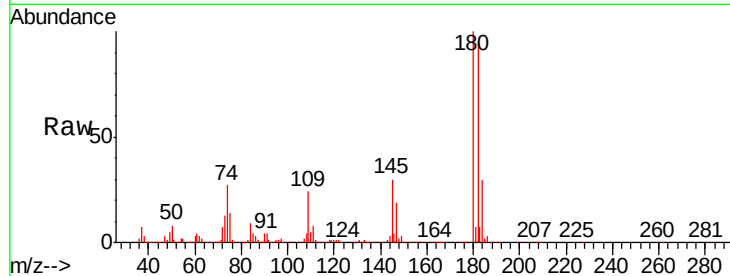
#93
 1,2,4-Trichlorobenzene
 Concen: 143.46 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	827764		
182	95.3	47.8	143.3	
145	29.4	14.5	43.6	

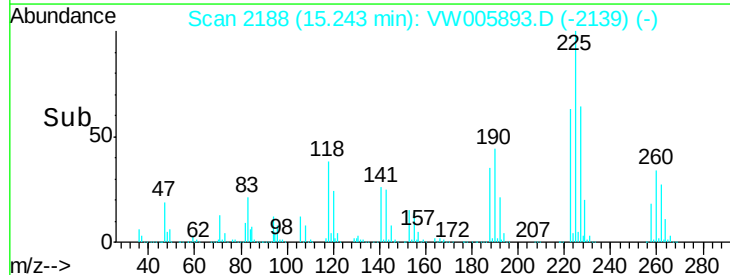
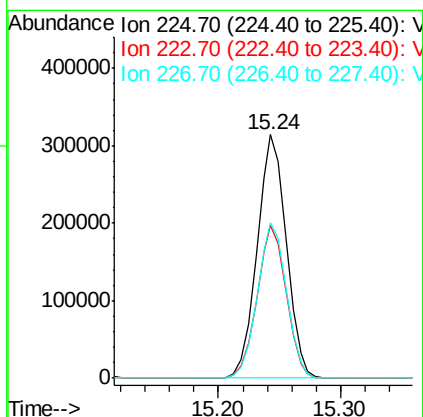
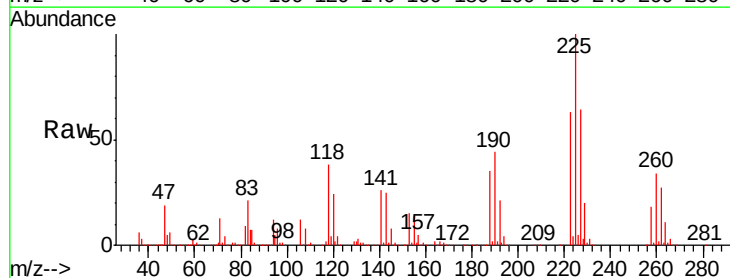
Manual Integrations
 APPROVED

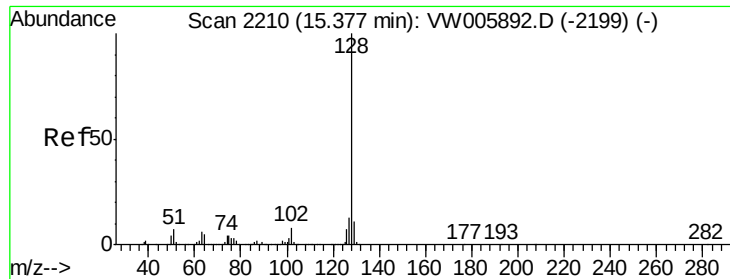
apatel
 10/9/2018 4:12:26 PM



#94
 Hexachlorobutadiene
 Concen: 144.75 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	521305		
223	62.6	31.2	93.6	
227	63.8	31.9	95.9	





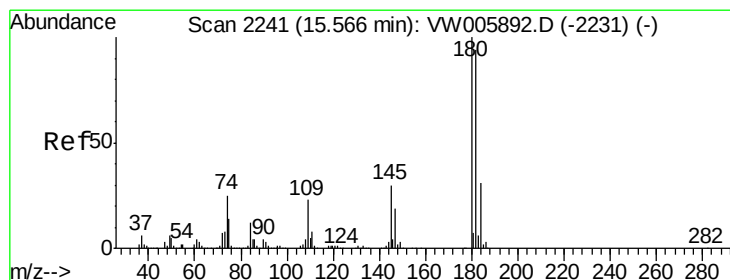
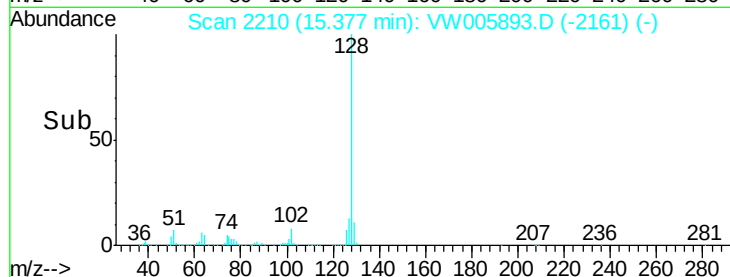
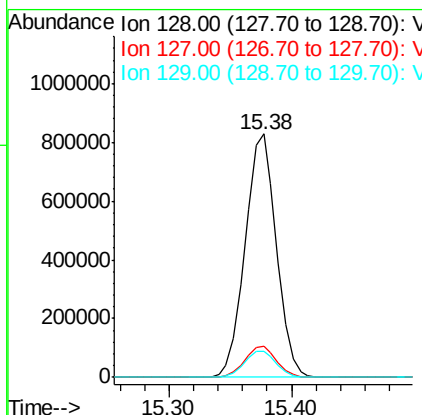
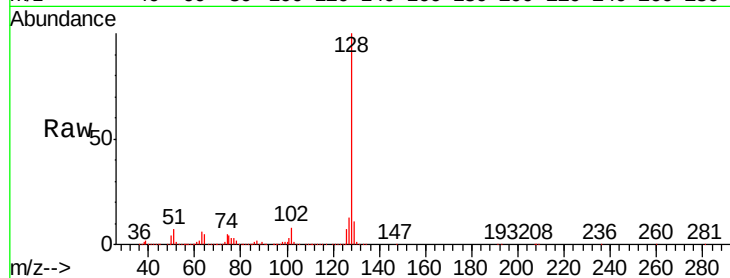
#95
Naphthalene
Concen: 147.44 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.0	8.9	13.3

Manual Integrations
APPROVED

apatel
10/9/2018 4:12:26 PM



#96
1,2,3-Trichlorobenzene
Concen: 144.78 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.6	142.8
145	30.9	15.3	45.9

