

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102518\
 Data File : VW006331.D
 Acq On : 24 Oct 2018 22:27
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 10/25/2018 12:47:38 PM

Quant Time: Oct 25 07:01:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	240156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	346912	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	318436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	178649	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	96822	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
35) Dibromofluoromethane	7.88	113	102384	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	10.33	98	381683	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
62) 4-Bromofluorobenzene	12.62	95	145983	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	63761	53.652	ug/l	98
3) Chloromethane	2.21	50	79225	51.788	ug/l	100
4) Vinyl Chloride	2.37	62	118686	54.327	ug/l	99
5) Bromomethane	2.79	94	102131	51.398	ug/l	94
6) Chloroethane	2.93	64	87509	55.894	ug/l	95
7) Trichlorofluoromethane	3.26	101	110344	54.218	ug/l	99
8) Diethyl Ether	3.68	74	56985	52.685	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	116222	54.492	ug/l	98
10) Methyl Iodide	4.26	142	195376	55.037	ug/l	99
11) Tert butyl alcohol	5.23	59	32575	243.269	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	109589	54.615	ug/l	89
13) Acrolein	3.90	56	27800	214.554	ug/l	98
14) Allyl chloride	4.67	41	149589	52.138	ug/l	99
15) Acrylonitrile	5.38	53	103307	266.290	ug/l	99
16) Acetone	4.15	43	102922	277.147	ug/l	99
17) Carbon Disulfide	4.37	76	303817	50.168	ug/l	98
18) Methyl Acetate	4.68	43	52099	51.997	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	161480	52.836	ug/l	94
20) Methylene Chloride	4.91	84	115827	55.147	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	123543	55.160	ug/l	99
22) Diisopropyl ether	6.32	45	309716	54.626	ug/l	99
23) Vinyl Acetate	6.26	43	872787	260.843	ug/l	98
24) 1,1-Dichloroethane	6.22	63	205185	56.085	ug/l	99
25) 2-Butanone	7.18	43	139448	259.258	ug/l	99
26) 2,2-Dichloropropane	7.17	77	128088	49.641	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	140026	56.653	ug/l	98
28) Bromochloromethane	7.51	49	78396	55.506	ug/l	94
29) Tetrahydrofuran	7.54	42	83806	253.483	ug/l	98
30) Chloroform	7.68	83	223426	56.054	ug/l	98
31) Cyclohexane	7.96	56	178431	48.975	ug/l	95
32) 1,1,1-Trichloroethane	7.88	97	194517	54.100	ug/l	99
36) 1,1-Dichloropropene	8.09	75	174476	54.565	ug/l	99
37) Ethyl Acetate	7.26	43	61355	51.645	ug/l	99
38) Carbon Tetrachloride	8.07	117	183621	52.384	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102518\
 Data File : VW006331.D
 Acq On : 24 Oct 2018 22:27
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 10/25/2018 12:47:38 PM

Quant Time: Oct 25 07:01:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	224107	52.726	ug/l	99
40) Benzene	8.33	78	489596	55.819	ug/l	99
41) Methacrylonitrile	7.49	41	38060	53.143	ug/l	97
42) 1,2-Dichloroethane	8.40	62	140480	54.514	ug/l	100
43) Isopropyl Acetate	8.43	43	120776	49.721	ug/l	98
44) Trichloroethene	9.10	130	148426	55.157	ug/l	97
45) 1,2-Dichloropropane	9.37	63	114279	54.448	ug/l	99
46) Dibromomethane	9.46	93	65109	54.427	ug/l	98
47) Bromodichloromethane	9.65	83	157098	54.167	ug/l	99
48) Methyl methacrylate	9.44	41	58657	50.944	ug/l	95
49) 1,4-Dioxane	9.49	88	20927	1136.350	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	308580	253.547	ug/l	99
52) Toluene	10.39	92	327302	55.660	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	151008	52.259	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	178779	53.908	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	93034	55.575	ug/l	97
56) Ethyl methacrylate	10.65	69	109361	53.289	ug/l	95
57) 1,3-Dichloropropane	10.94	76	152253	54.941	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	189714	241.927	ug/l	100
59) 2-Hexanone	10.98	43	216591	249.306	ug/l	97
60) Dibromochloromethane	11.13	129	112186	53.802	ug/l	100
61) 1,2-Dibromoethane	11.24	107	92795	55.477	ug/l	98
64) Tetrachloroethene	10.87	164	138169	55.893	ug/l	98
65) Chlorobenzene	11.66	112	380761	55.856	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	134089	55.350	ug/l	99
67) Ethyl Benzene	11.74	91	654193	55.376	ug/l	99
68) m/p-Xylenes	11.85	106	516899	110.699	ug/l	99
69) o-Xylene	12.17	106	245141	55.087	ug/l	100
70) Styrene	12.19	104	402809	55.664	ug/l	99
71) Bromoform	12.35	173	69012	51.074	ug/l	99
73) Isopropylbenzene	12.47	105	688359	54.541	ug/l	99
74) N-amyl acetate	12.28	43	120645	49.216	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	105612	55.018	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	66359m	48.632	ug/l	
77) Bromobenzene	12.75	156	170243	55.072	ug/l	99
78) n-propylbenzene	12.81	91	807540	54.996	ug/l	100
79) 2-Chlorotoluene	12.90	91	453979	55.027	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	583634	54.854	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	27382	47.968	ug/l	98
82) 4-Chlorotoluene	12.99	91	481947	55.767	ug/l	100
83) tert-Butylbenzene	13.21	119	524575	55.106	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	597281	55.476	ug/l	99
85) sec-Butylbenzene	13.39	105	740669	55.075	ug/l	100
86) p-Isopropyltoluene	13.51	119	673594	55.375	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	340471	55.341	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	338468	55.255	ug/l	99
89) n-Butylbenzene	13.83	91	613777	55.173	ug/l	99
90) Hexachloroethane	14.10	117	108477	52.648	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	303511	55.307	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16576	48.230	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102518\
Data File : VW006331.D
Acq On : 24 Oct 2018 22:27
Operator : SY/AP
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

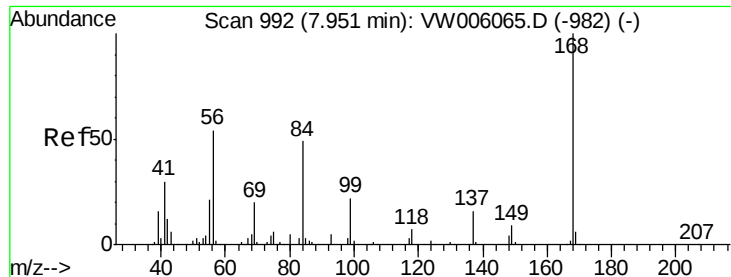
Manual Integrations
APPROVED

apatel
10/25/2018 12:47:38 PM

Quant Time: Oct 25 07:01:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	242476	57.425	ug/l	100
94) Hexachlorobutadiene	15.24	225	142797	53.834	ug/l	99
95) Naphthalene	15.38	128	371979	52.957	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	199044	54.499	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 240156

Ion Ratio Lower Upper

168 100

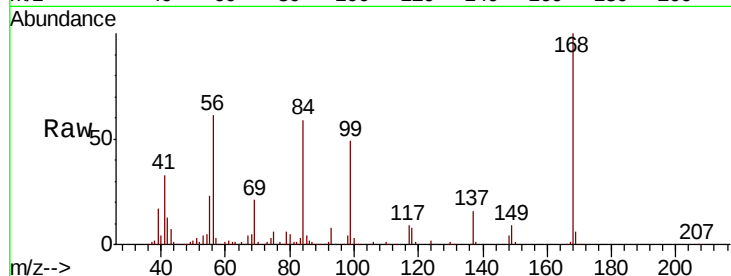
99 49.4 39.9 59.9

Manual Integrations

APPROVED

apatel

10/25/2018 12:47:38 PM



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

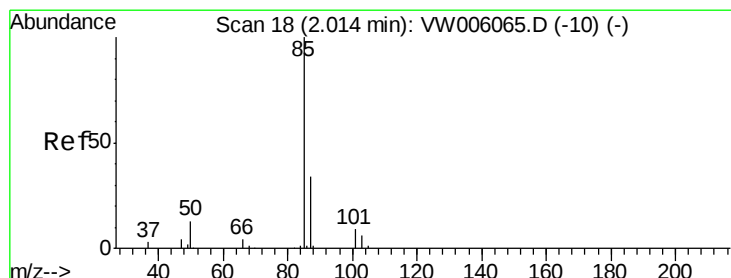
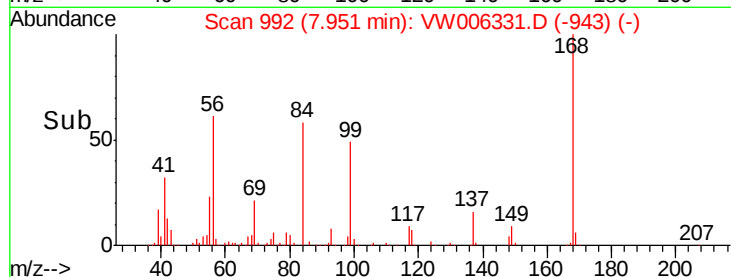
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 53.652 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006331.D

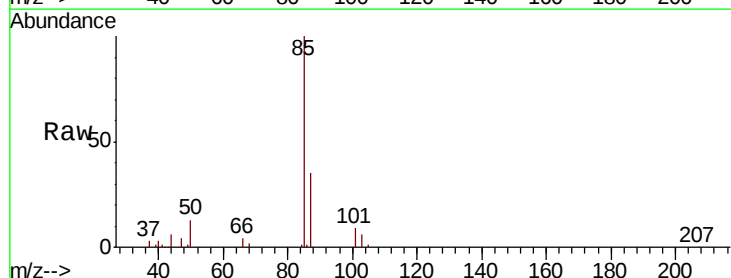
Acq: 24 Oct 2018 22:27

Tgt Ion: 85 Resp: 63761

Ion Ratio Lower Upper

85 100

87 34.8 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

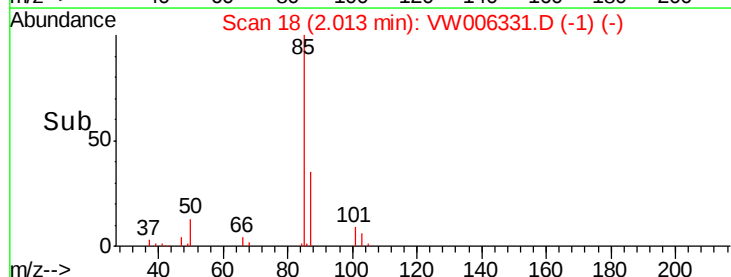
15000

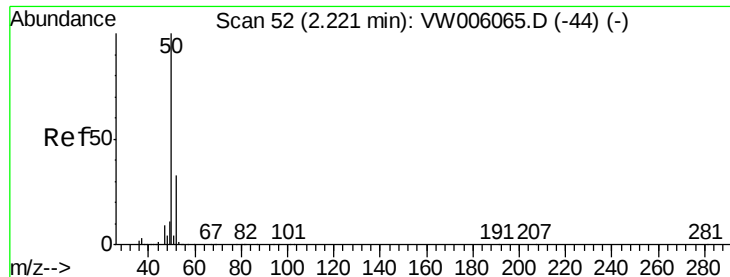
10000

5000

0

Time-->





#3

Chloromethane

Concen: 51.788 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 79225

Ion Ratio Lower Upper

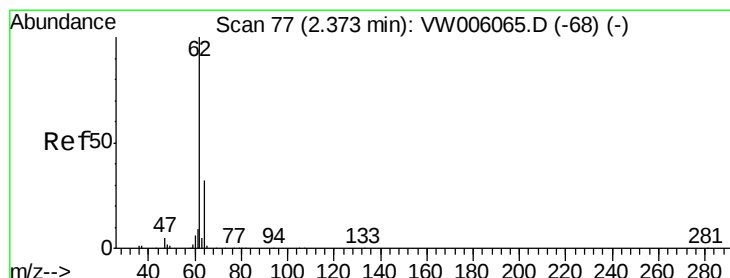
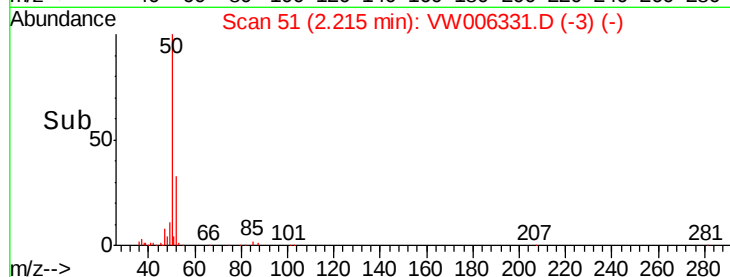
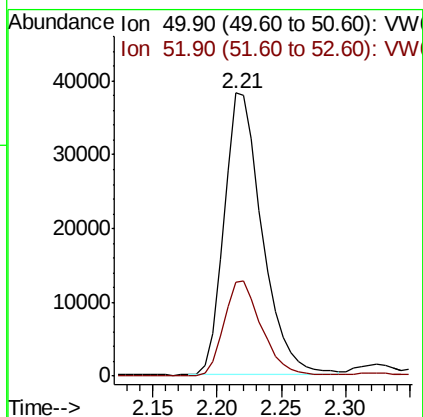
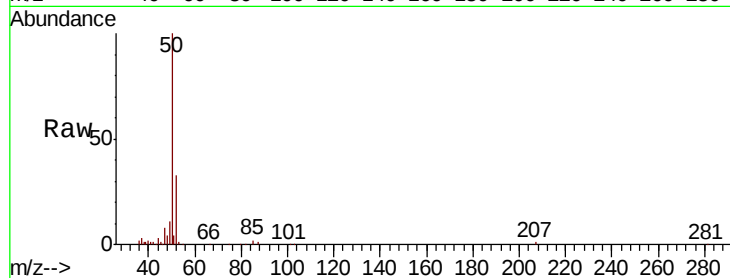
50 100

52 33.2 26.8 40.2

Manual Integrations
APPROVED

apatel

10/25/2018 12:47:38 PM



#4

Vinyl Chloride

Concen: 54.327 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006331.D

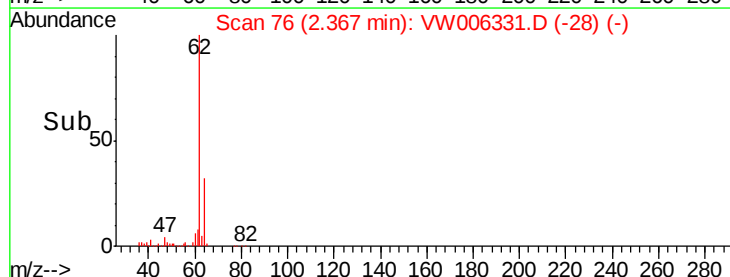
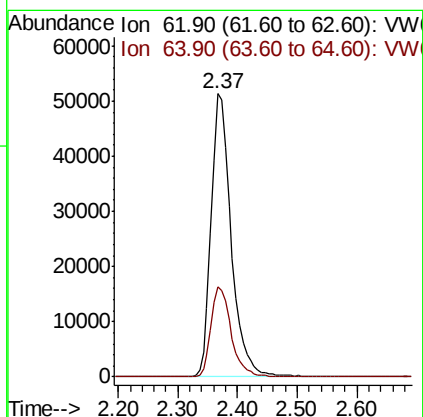
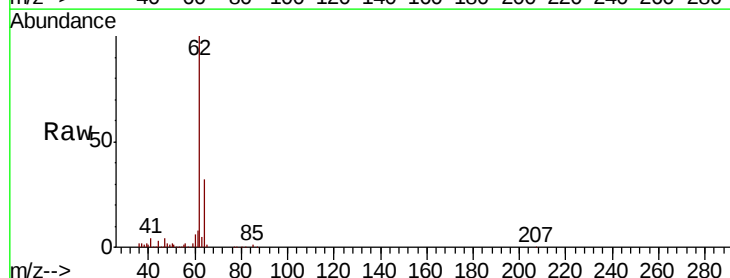
Acq: 24 Oct 2018 22:27

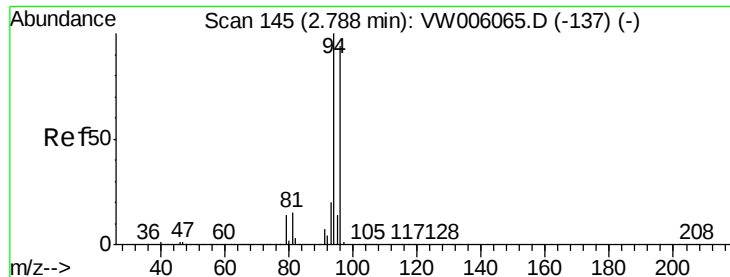
Tgt Ion: 62 Resp: 118686

Ion Ratio Lower Upper

62 100

64 31.6 25.9 38.9





#5

Bromomethane

Concen: 51.398 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 102131

Ion Ratio Lower Upper

94 100

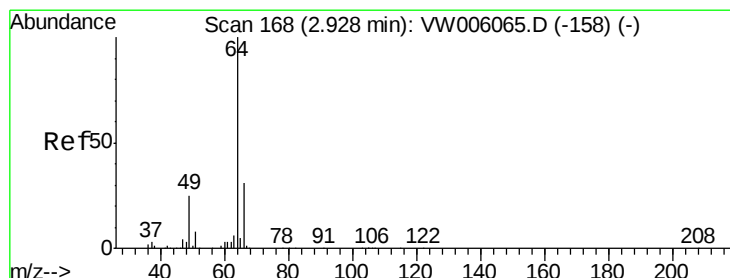
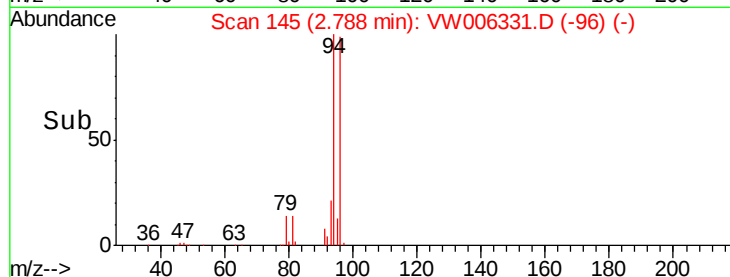
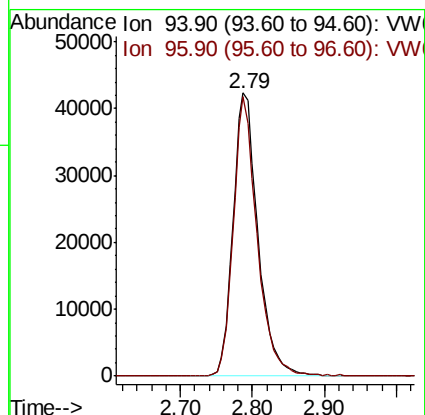
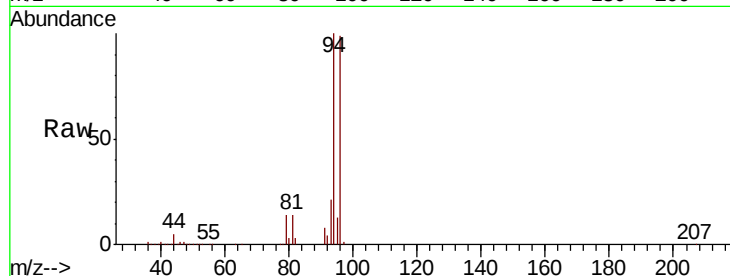
96 98.9 74.9 112.3

Manual Integrations

APPROVED

apatel

10/25/2018 12:47:38 PM



#6

Chloroethane

Concen: 55.894 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW006331.D

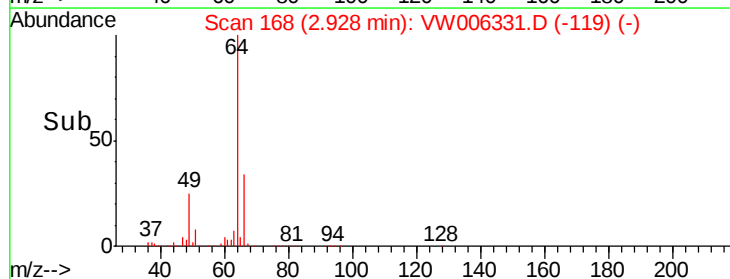
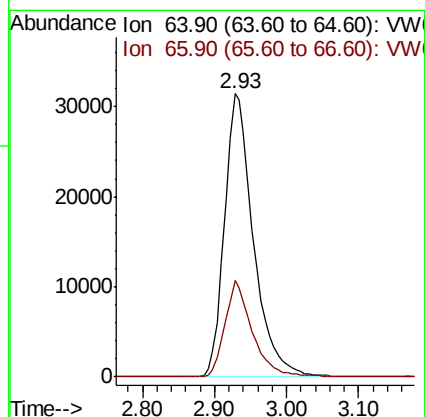
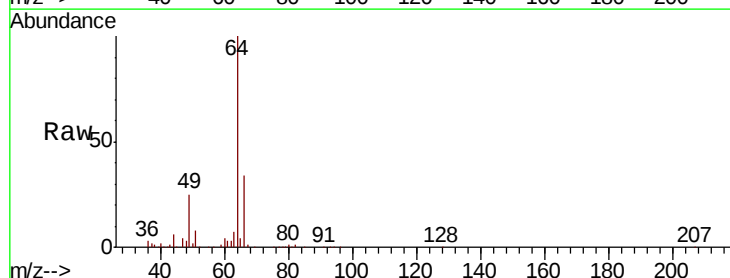
Acq: 24 Oct 2018 22:27

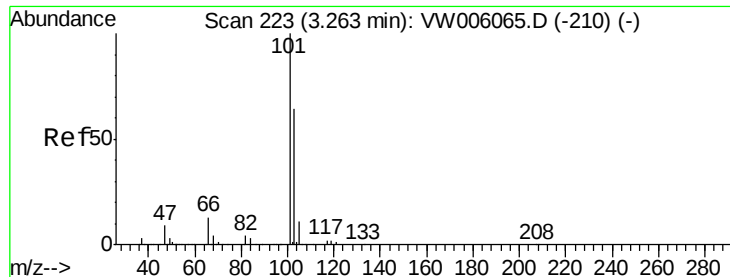
Tgt Ion: 64 Resp: 87509

Ion Ratio Lower Upper

64 100

66 33.7 24.9 37.3





#7

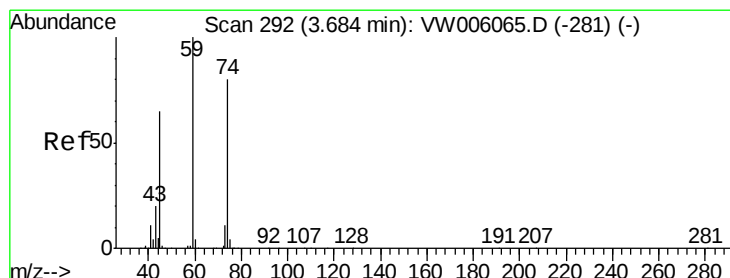
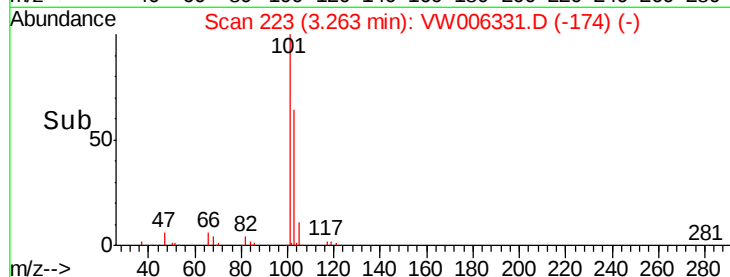
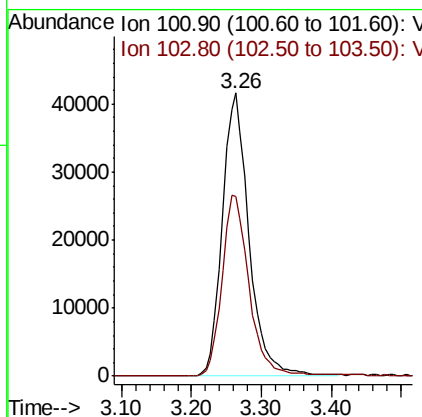
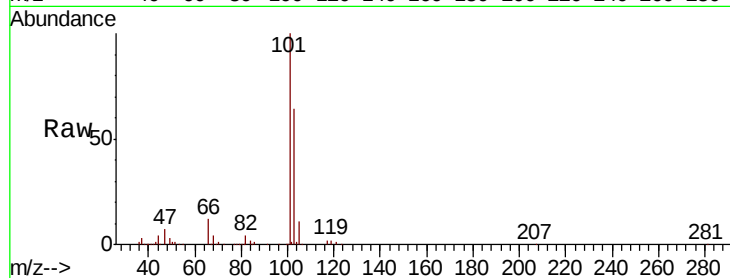
Trichlorofluoromethane
Concen: 54.218 ug/l
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		110344		
103	63.5	51.2	76.8		

Manual Integrations
APPROVED

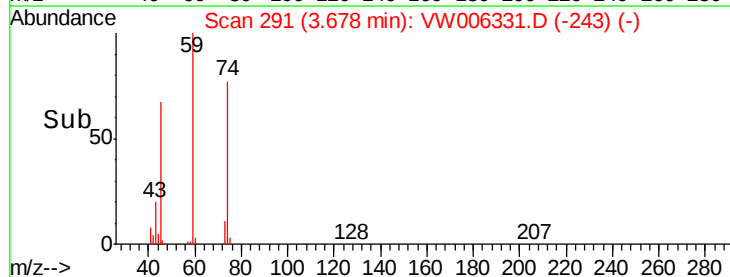
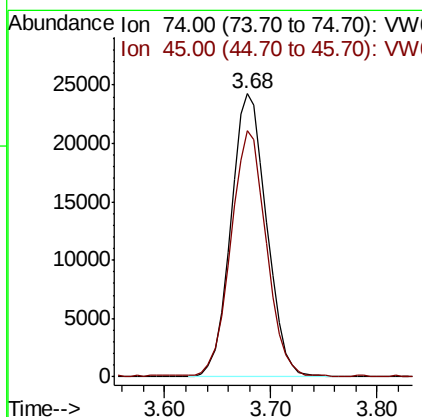
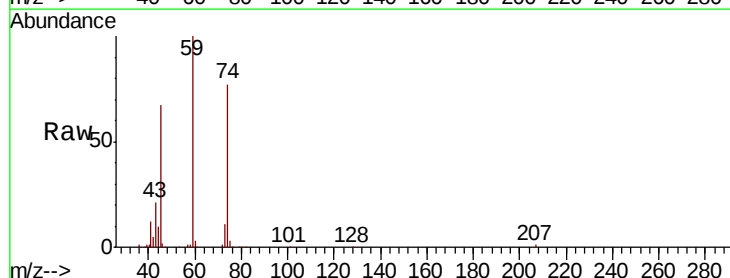
apatel
10/25/2018 12:47:38 PM



#8

Diethyl Ether
Concen: 52.685 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		56985		
45	87.2	42.8	128.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.492 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

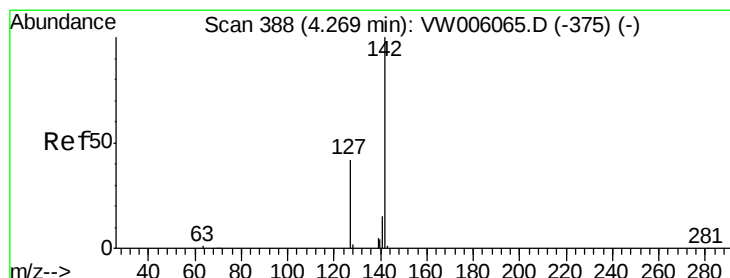
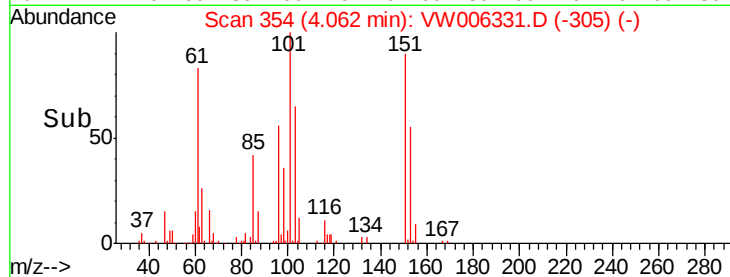
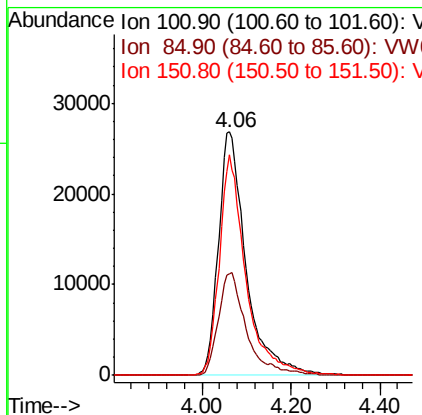
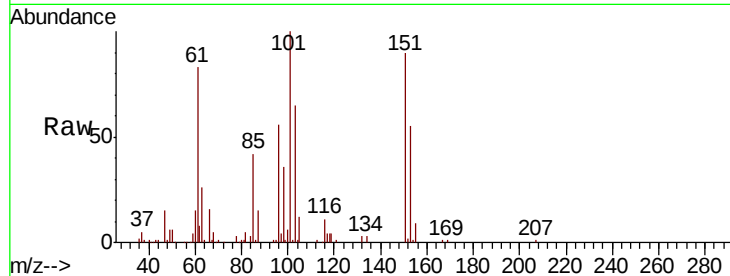
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	116222
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.9	52.3
151	86.4	70.4	105.6

Manual Integrations
APPROVED

apatel
10/25/2018 12:47:38 PM



#10

Methyl Iodide

Concen: 55.037 ug/l

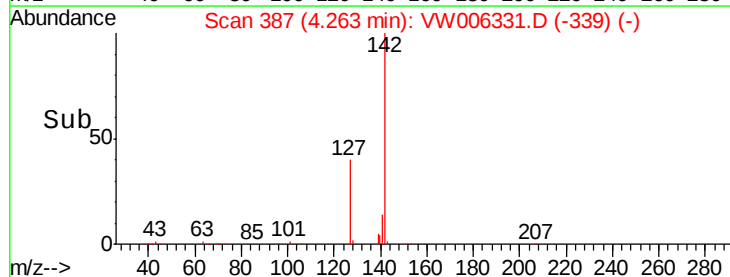
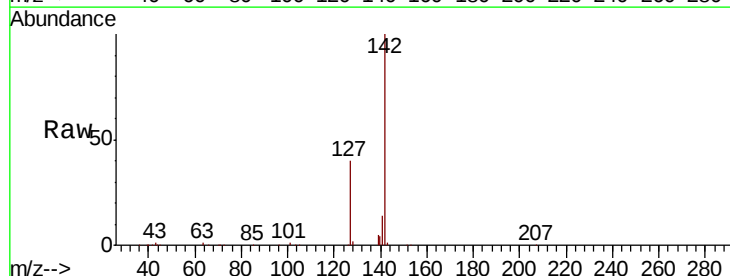
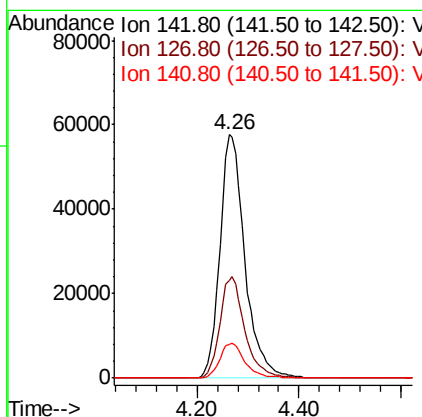
RT: 4.26 min Scan# 387

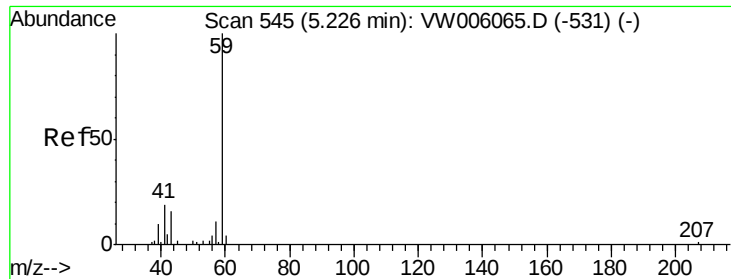
Delta R.T. -0.01 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Tgt Ion:	142	Resp:	195376
Ion Ratio	Lower	Upper	
142	100		
127	41.4	33.6	50.4
141	14.4	11.6	17.4





#11

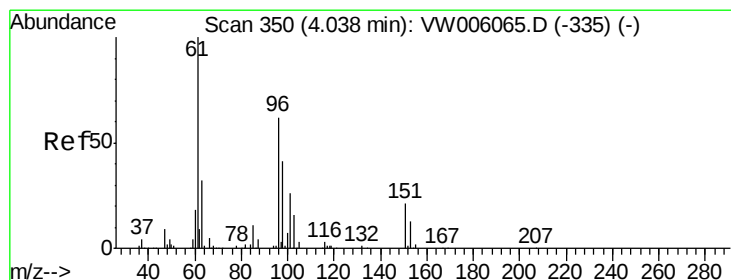
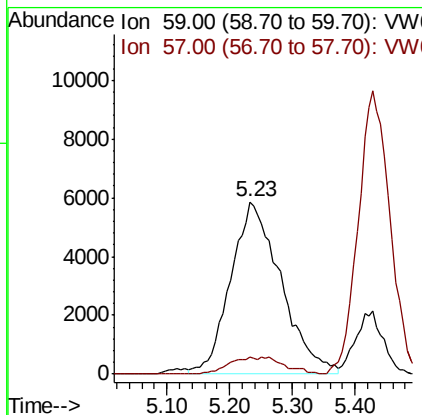
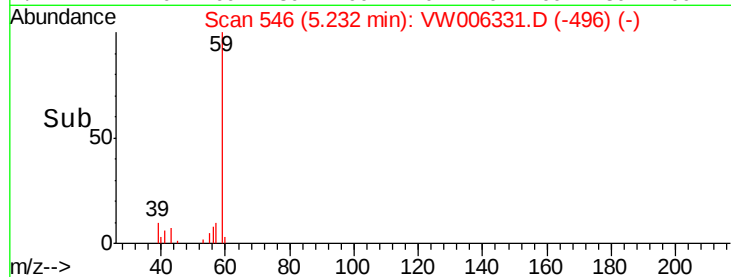
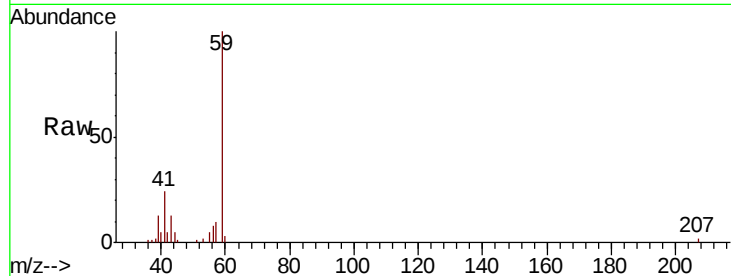
Tert butyl alcohol
 Concen: 243.269 ug/l
 RT: 5.23 min Scan# 546
 Delta R.T. 0.01 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.6	8.7	13.1#

Manual Integrations
 APPROVED

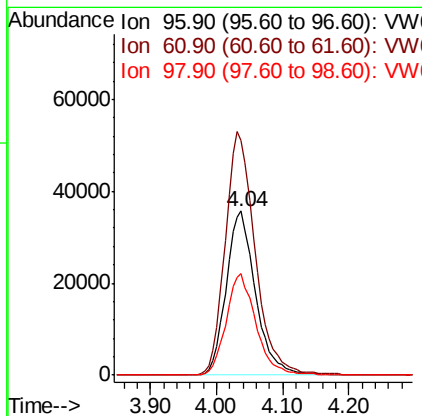
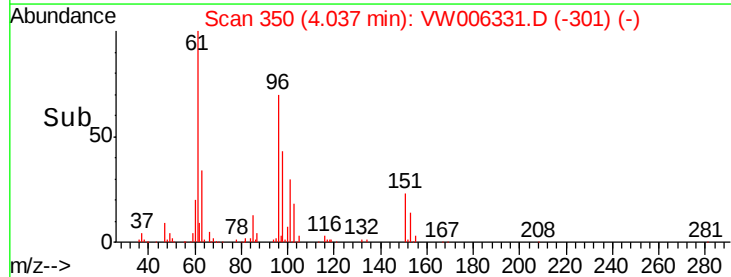
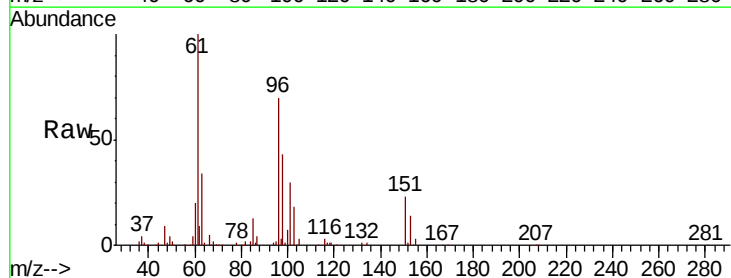
apatel
 10/25/2018 12:47:38 PM

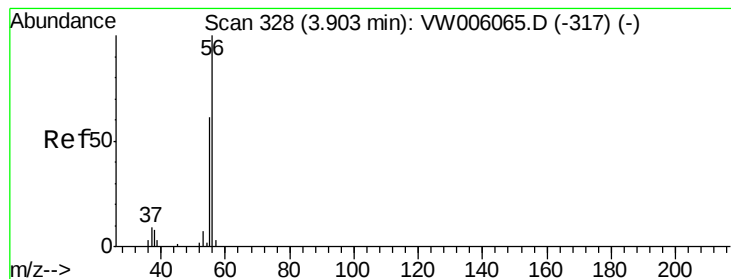


#12

1,1-Dichloroethene
 Concen: 54.615 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.5	129.3	193.9
98	62.3	53.1	79.7





#13

Acrolein

Concen: 214.554 ug/l

RT: 3.90 min Scan# 328

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 27800

Ion Ratio Lower Upper

56 100

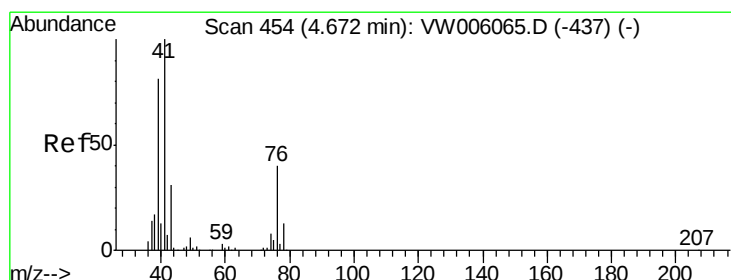
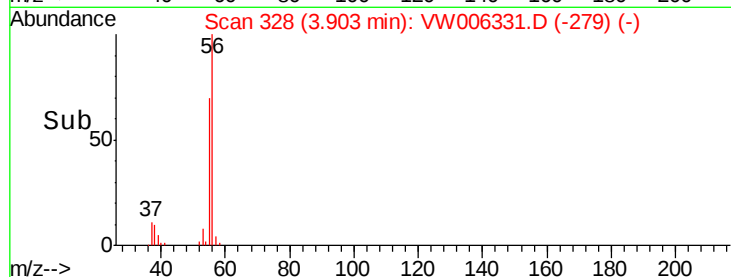
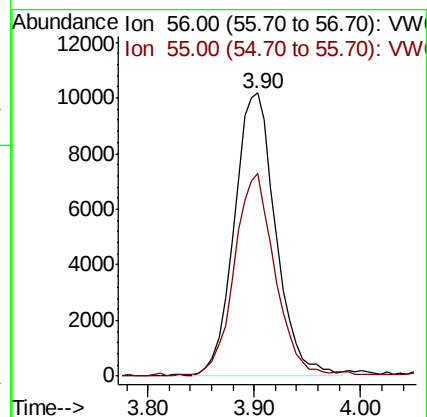
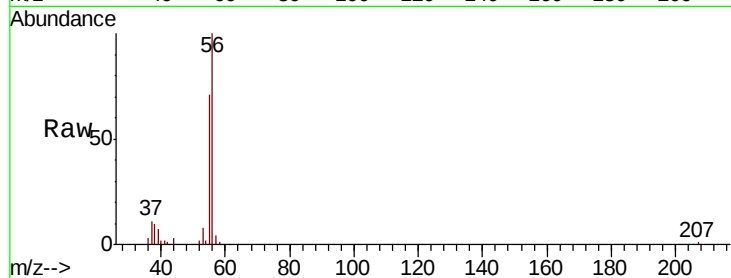
55 70.1 54.5 81.7

Manual Integrations

APPROVED

apatel

10/25/2018 12:47:38 PM



#14

Allyl chloride

Concen: 52.138 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

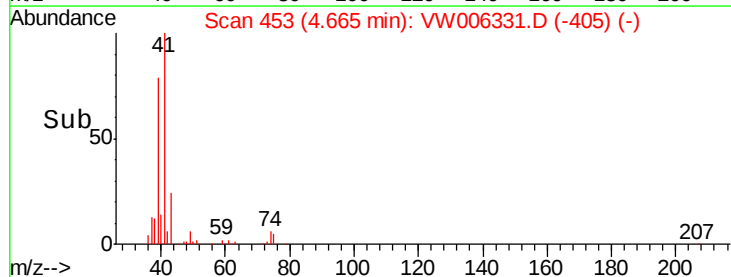
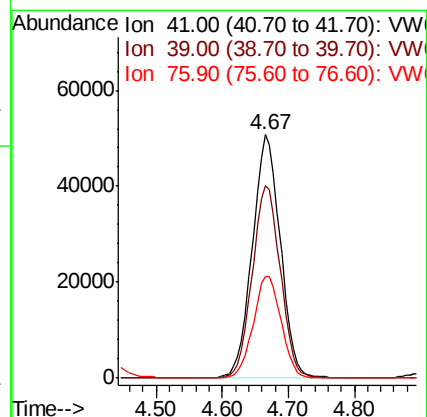
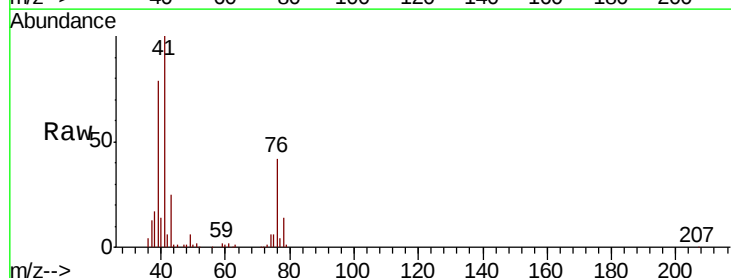
Tgt Ion: 41 Resp: 149589

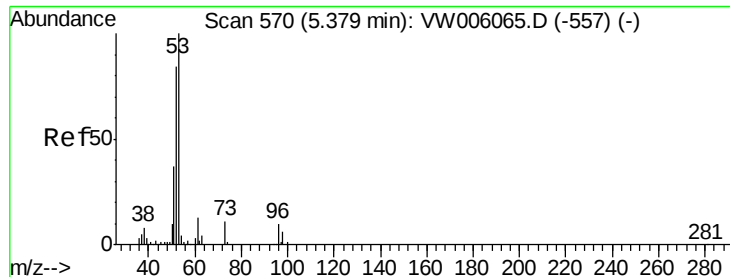
Ion Ratio Lower Upper

41 100

39 79.6 64.1 96.1

76 41.8 32.2 48.4





#15

Acrylonitrile

Concen: 266.290 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

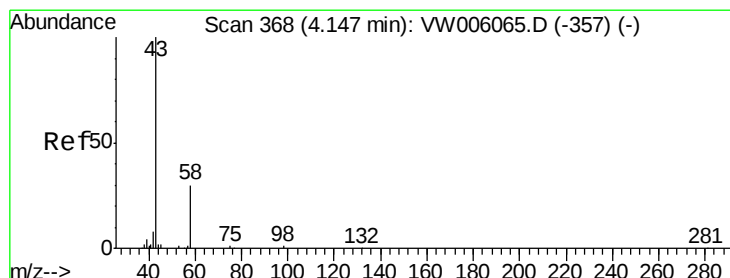
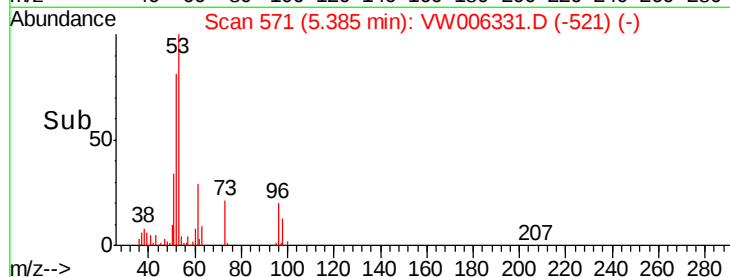
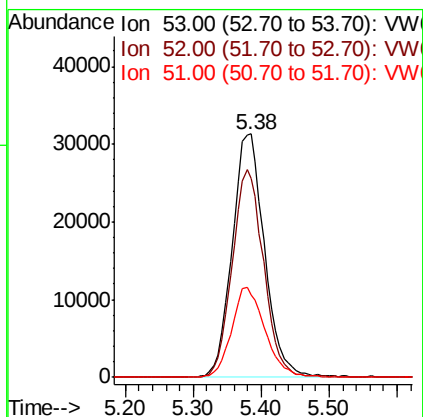
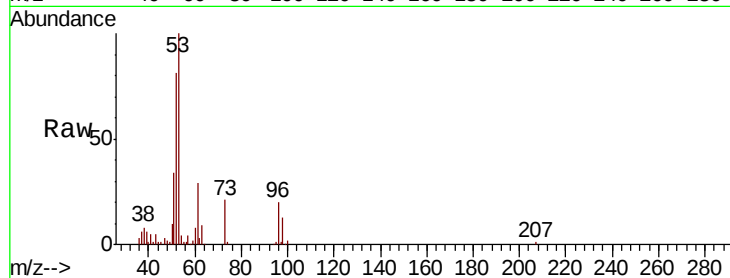
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	103307
Ion Ratio		Lower	Upper
53	100		
52	83.2	66.9	100.3
51	38.3	30.1	45.1

Manual Integrations
APPROVED

apatel
10/25/2018 12:47:38 PM



#16

Acetone

Concen: 277.147 ug/l

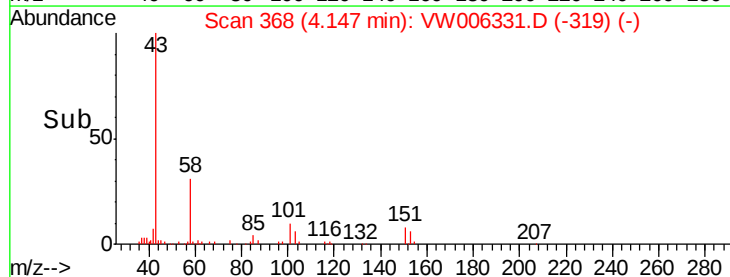
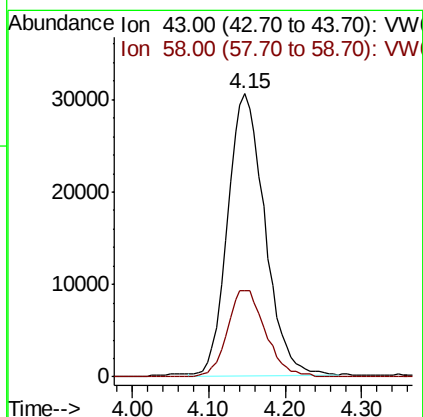
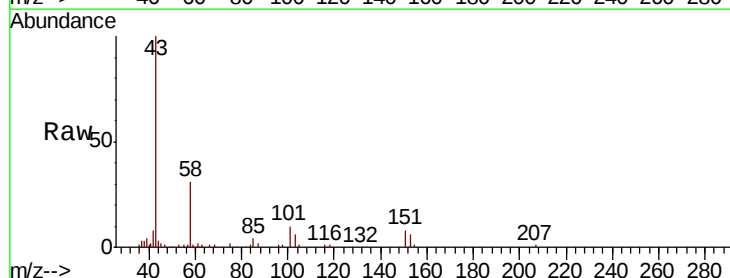
RT: 4.15 min Scan# 368

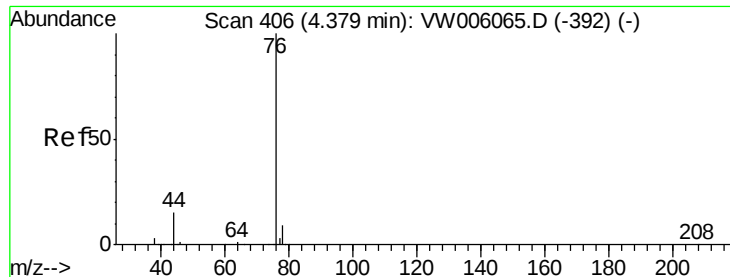
Delta R.T. 0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Tgt Ion:	43	Resp:	102922
Ion Ratio		Lower	Upper
43	100		
58	30.8	24.0	36.0





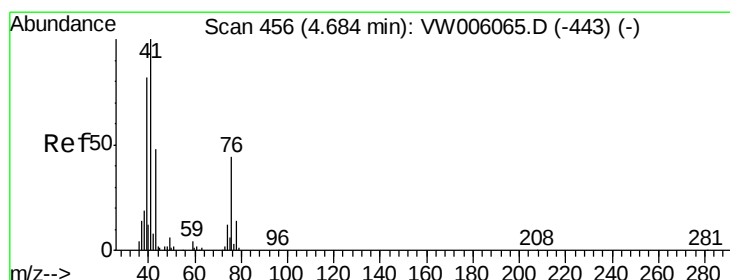
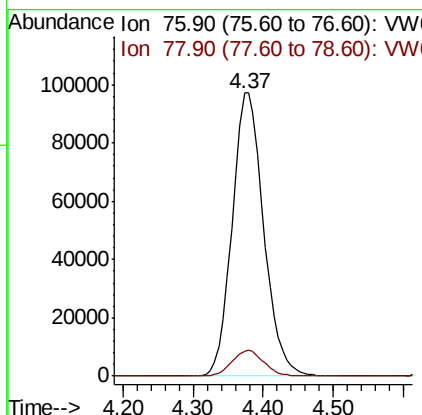
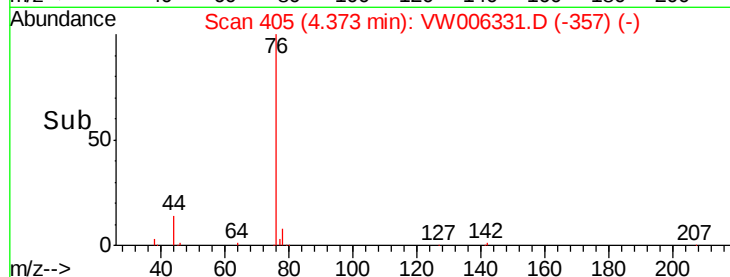
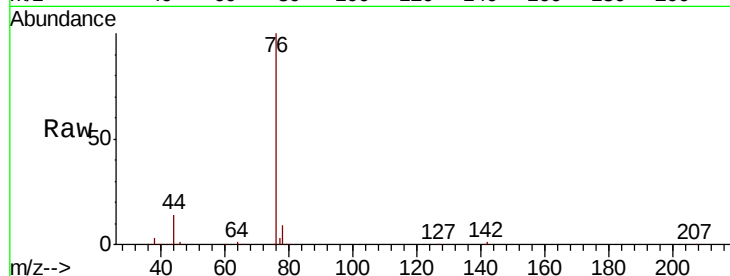
#17
Carbon Disulfide
Concen: 50.168 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.5	11.3

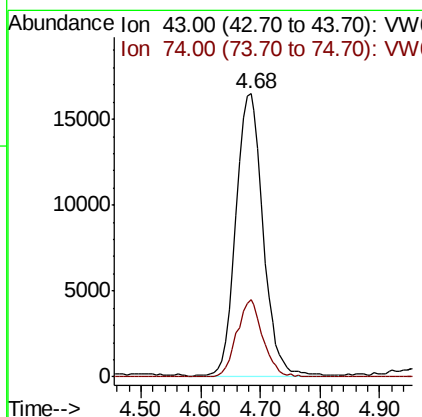
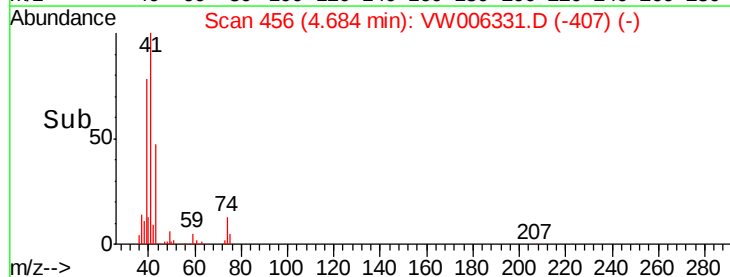
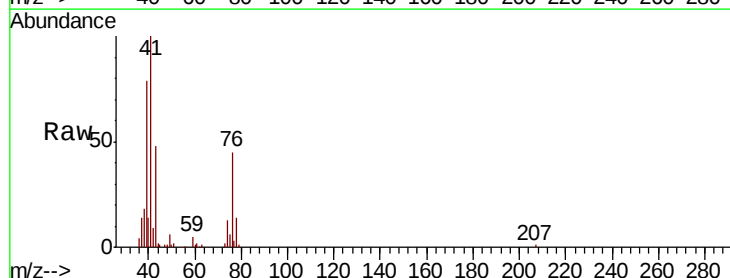
Manual Integrations
APPROVED

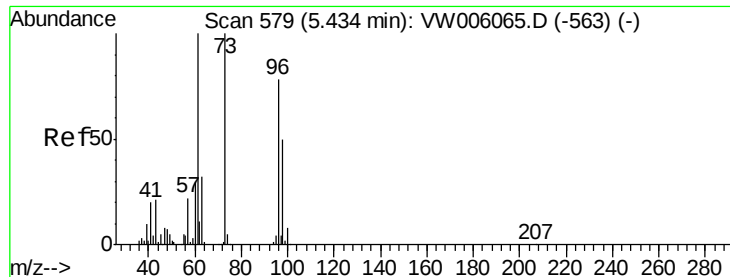
apatel
10/25/2018 12:47:38 PM



#18
Methyl Acetate
Concen: 51.997 ug/l
RT: 4.68 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.2	20.5	30.7





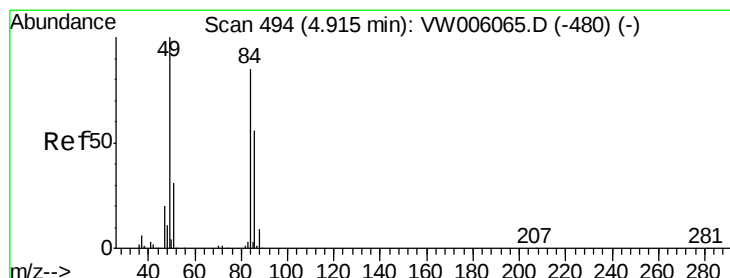
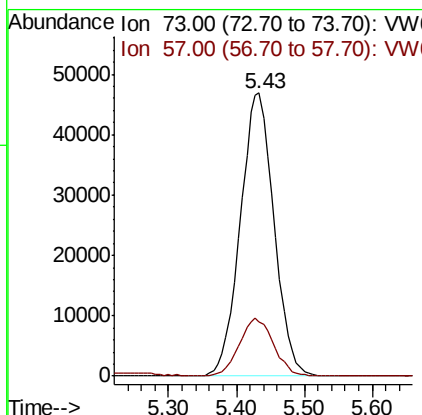
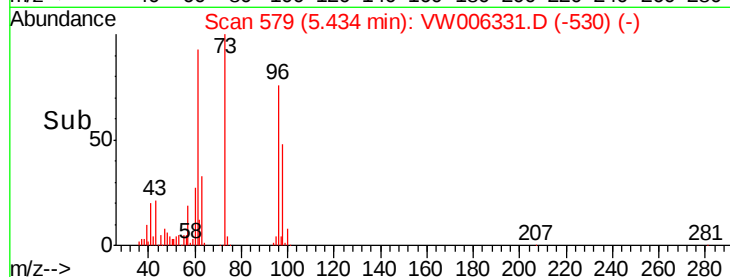
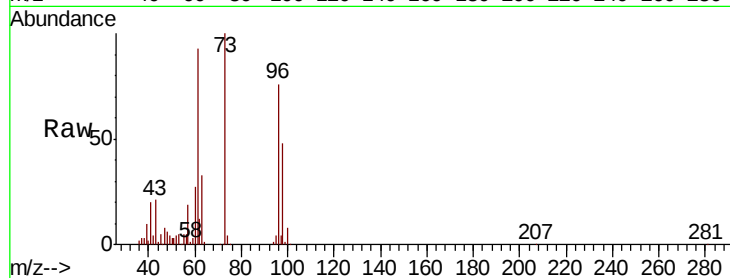
#19
Methvl tert-butvl Ether
Concen: 52.836 ug/l
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.0	17.4	26.2

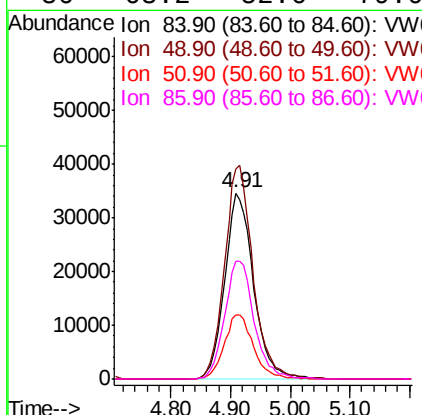
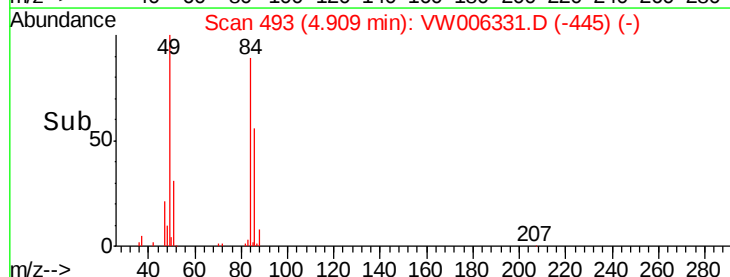
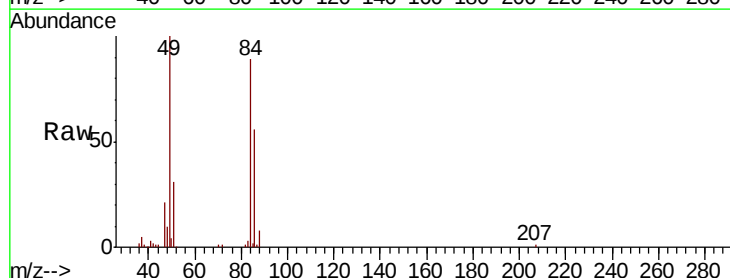
Manual Integrations
APPROVED

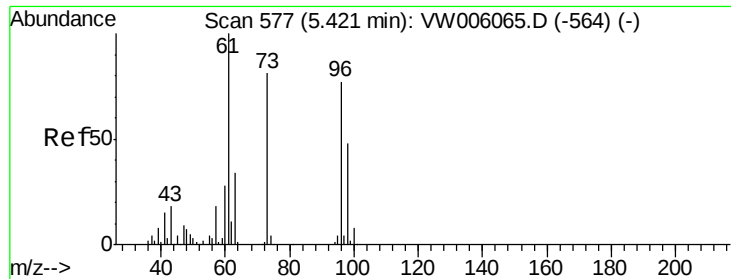
apatel
10/25/2018 12:47:38 PM



#20
Methylene Chloride
Concen: 55.147 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.8	93.6	140.4
51	34.5	29.0	43.4
86	63.2	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 55.160 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

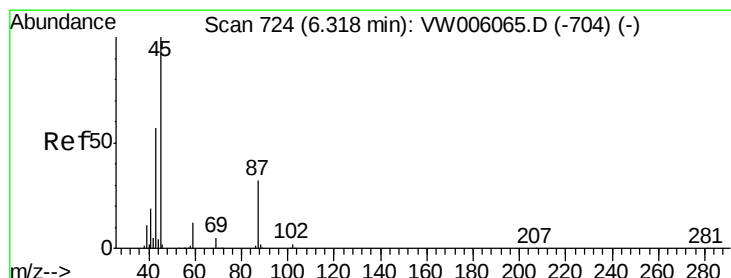
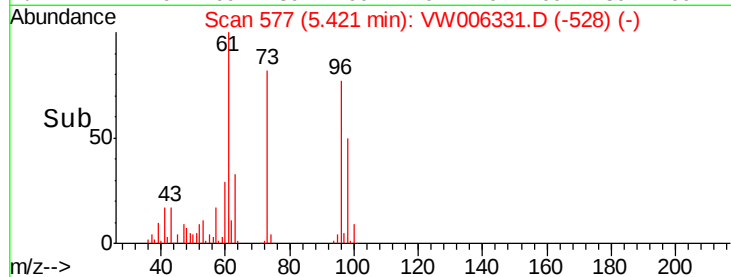
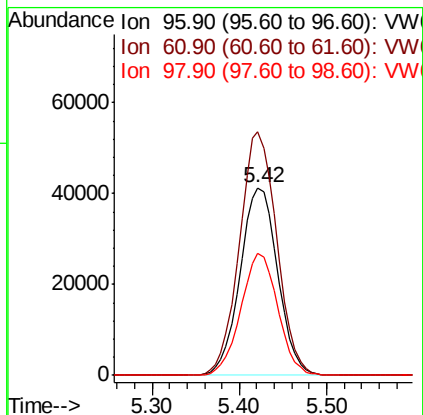
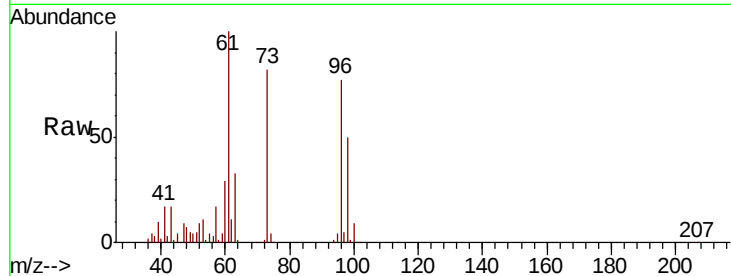
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	123543
Ion	Ratio	Lower	Upper
96	100		
61	129.6	104.5	156.7
98	64.8	50.6	75.8

Manual Integrations
APPROVED

apatel
10/25/2018 12:47:38 PM



#22

Diisopropyl ether

Concen: 54.626 ug/l

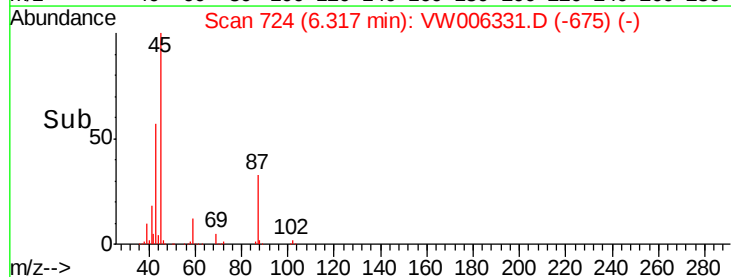
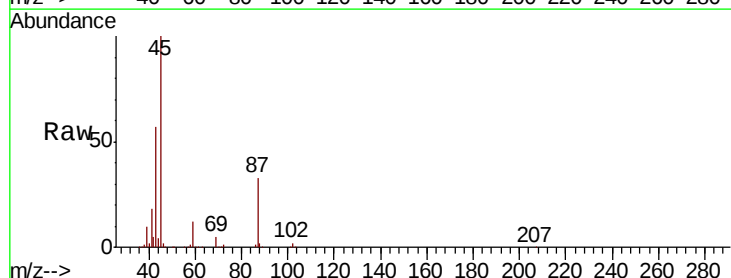
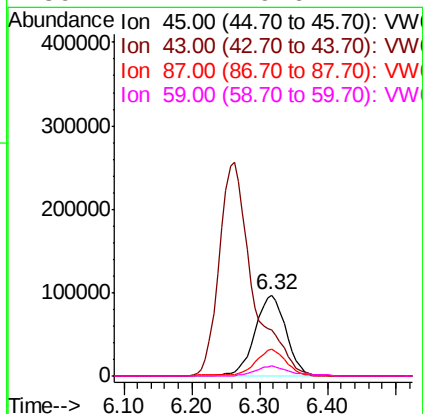
RT: 6.32 min Scan# 724

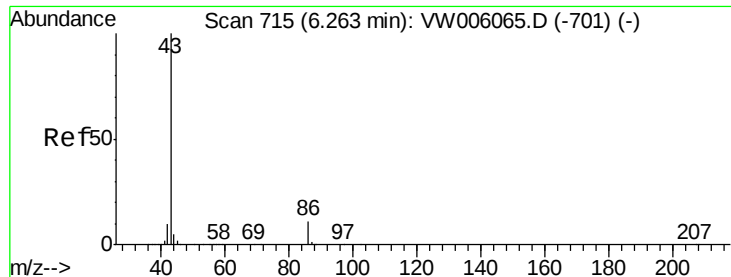
Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Tgt Ion:	45	Resp:	309716
Ion	Ratio	Lower	Upper
45	100		
43	56.9	45.7	68.5
87	33.3	25.9	38.9
59	12.1	9.6	14.4





#23

Vinyl Acetate

Concen: 260.843 ug/l

RT: 6.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 872787

Ion Ratio Lower Upper

43 100

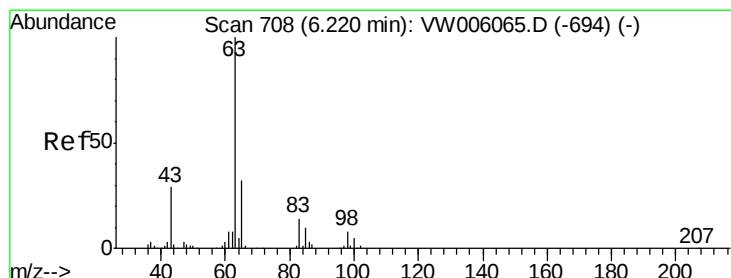
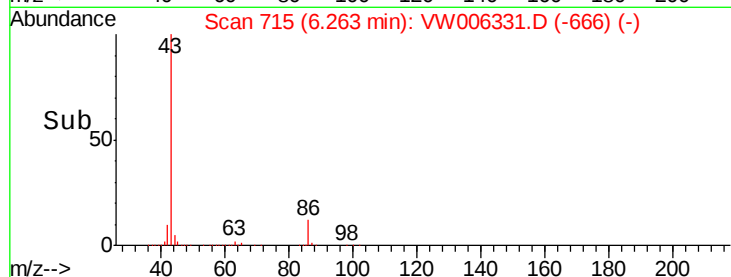
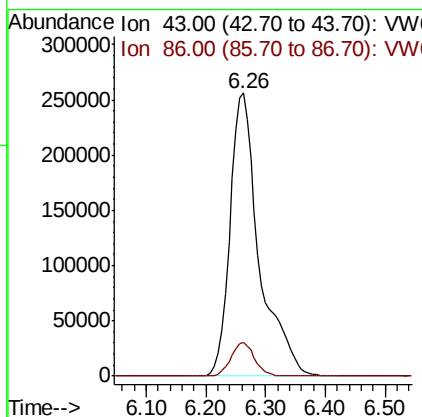
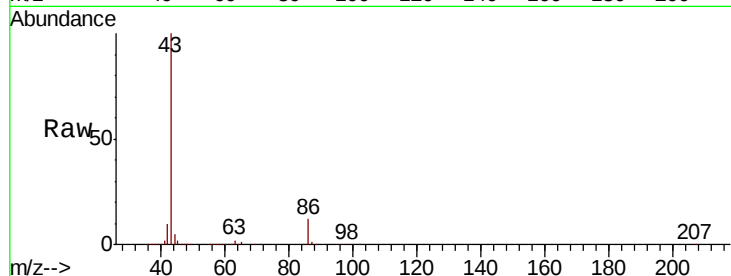
86 12.1 9.0 13.6

Manual Integrations

APPROVED

apatel

10/25/2018 12:47:38 PM



#24

1,1-Dichloroethane

Concen: 56.085 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

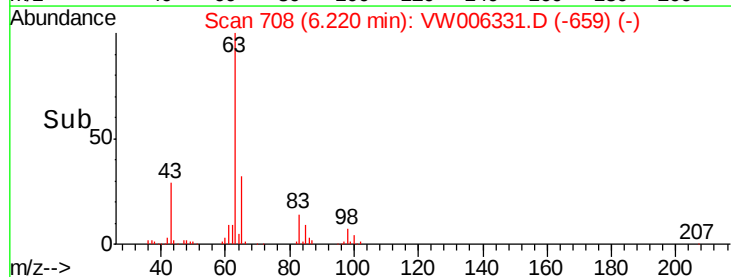
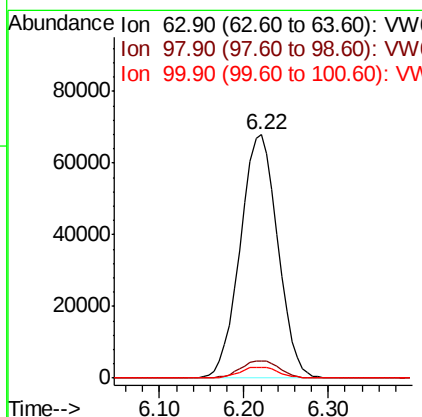
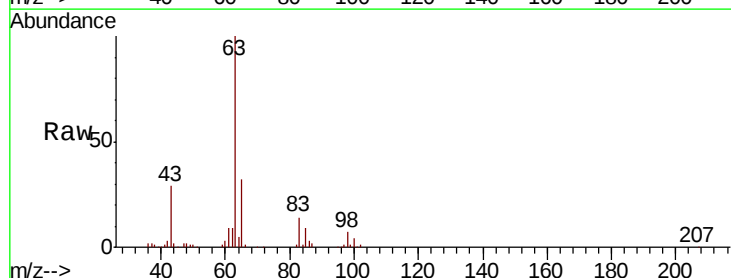
Tgt Ion: 63 Resp: 205185

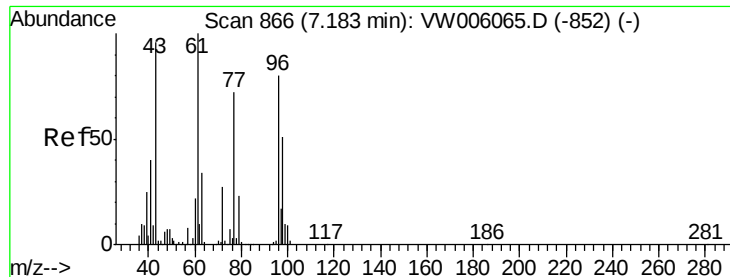
Ion Ratio Lower Upper

63 100

98 7.0 3.8 11.2

100 4.5 2.5 7.5





#25

2-Butanone

Concen: 259.258 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 139448

Ion Ratio Lower Upper

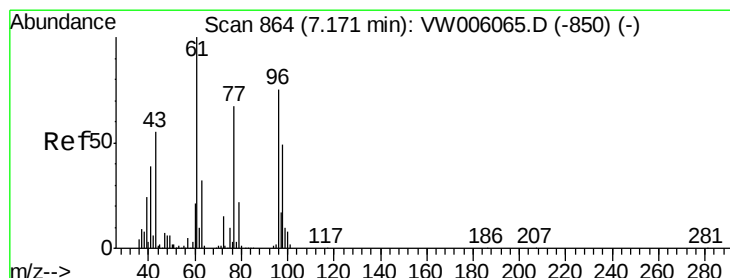
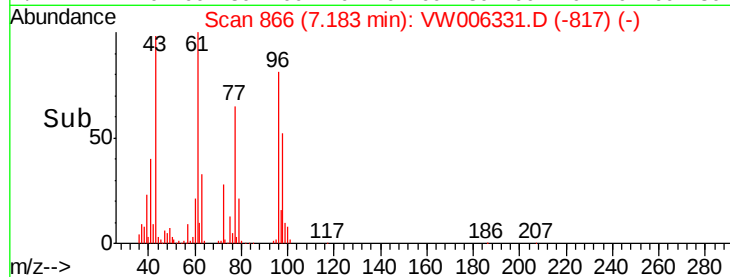
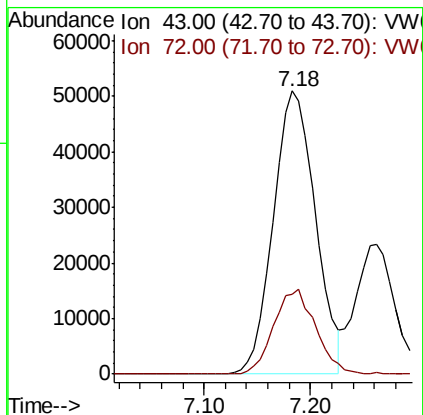
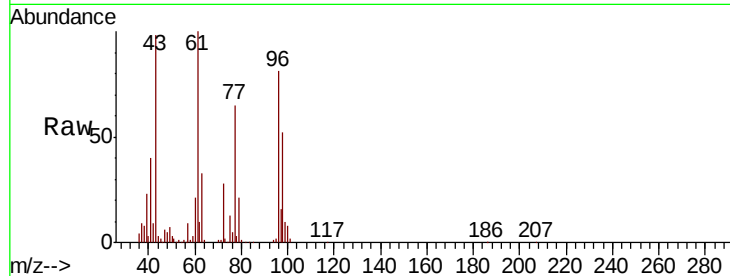
43 100

72 28.2 22.8 34.2

Manual Integrations
APPROVED

apatel

10/25/2018 12:47:38 PM



#26

2,2-Dichloropropane

Concen: 49.641 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006331.D

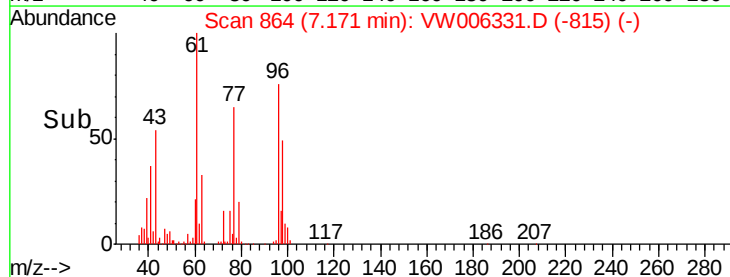
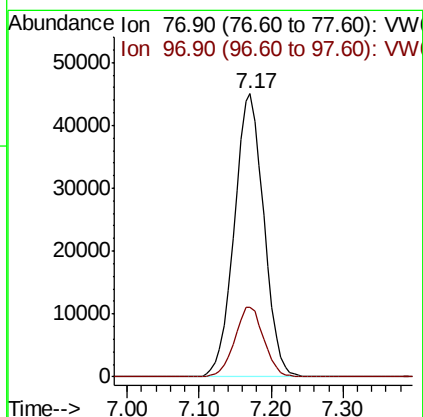
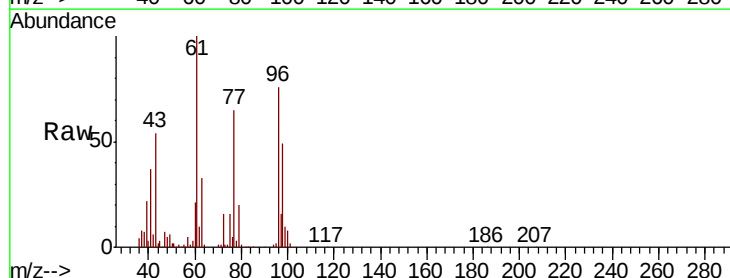
Acq: 24 Oct 2018 22:27

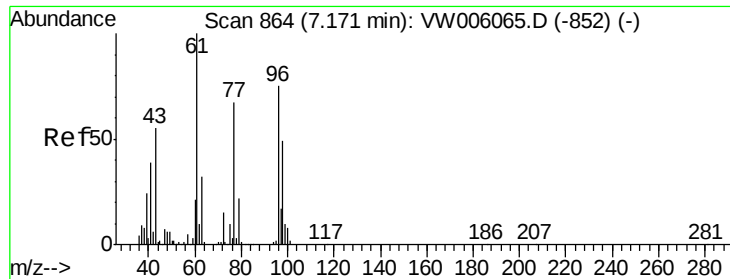
Tgt Ion: 77 Resp: 128088

Ion Ratio Lower Upper

77 100

97 24.3 12.2 36.4





#27

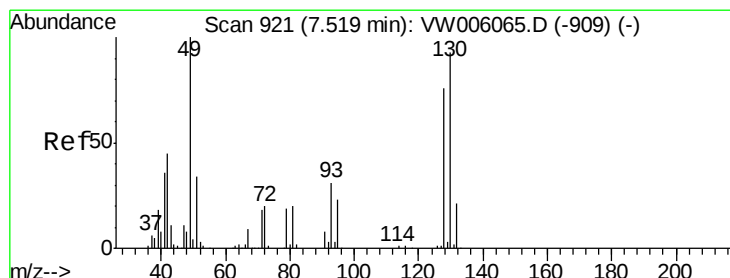
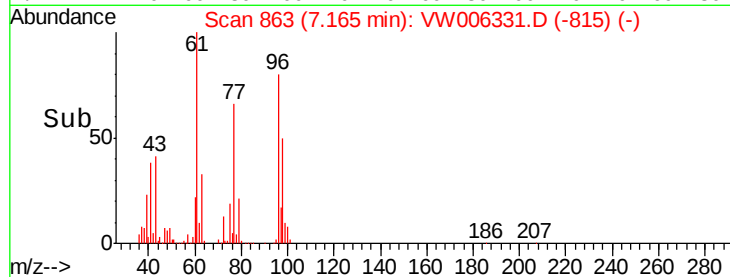
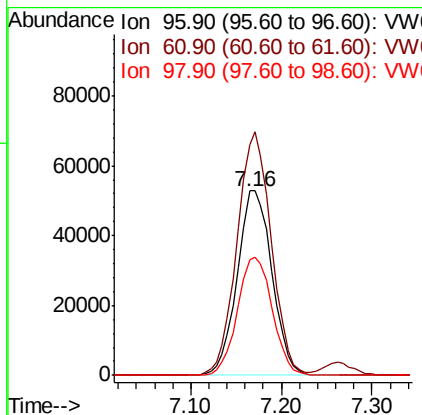
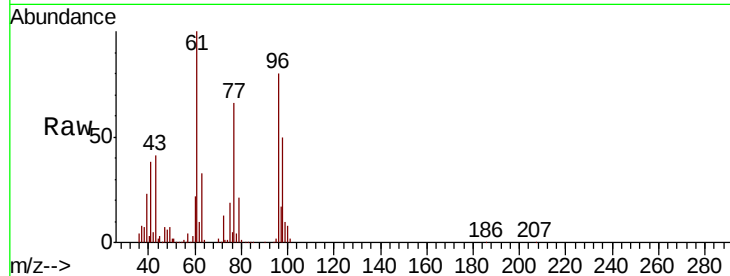
cis-1,2-Dichloroethene
 Concen: 56.653 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.2	0.0	267.2
98	64.4	0.0	128.6

Manual Integrations
 APPROVED

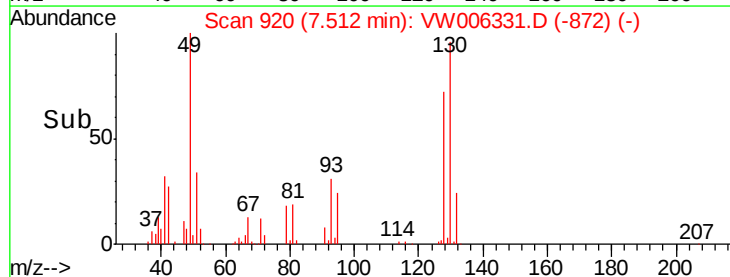
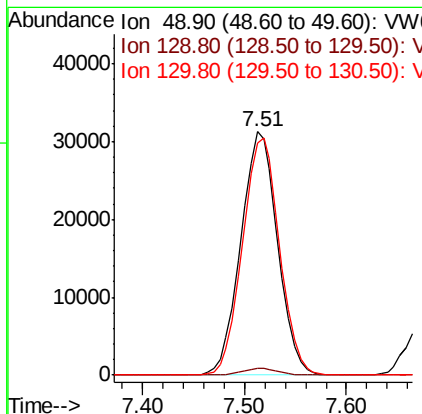
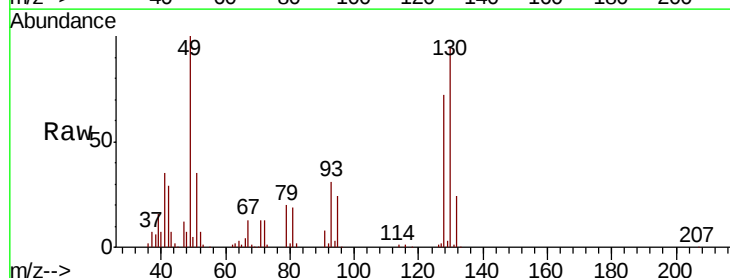
apatel
 10/25/2018 12:47:38 PM

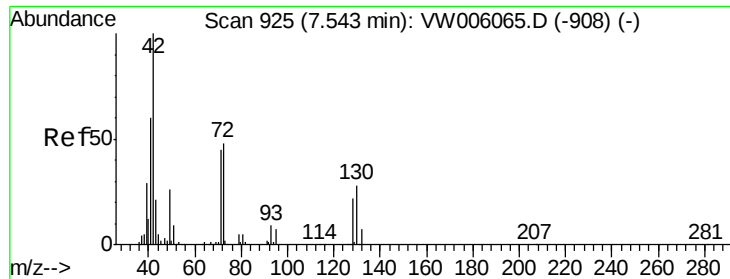


#28

Bromochloromethane
 Concen: 55.506 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.0
130	97.7	73.8	110.8





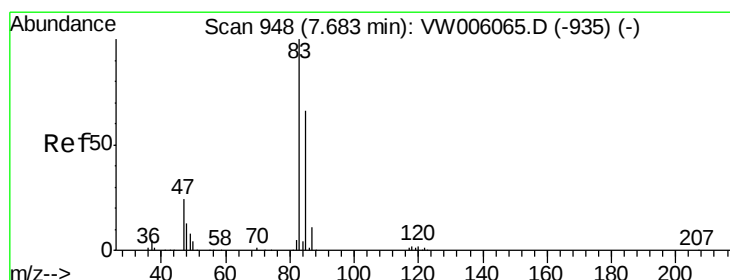
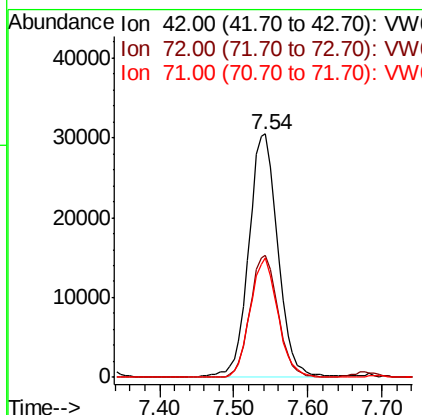
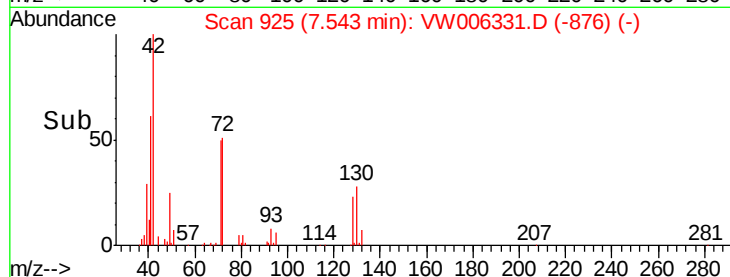
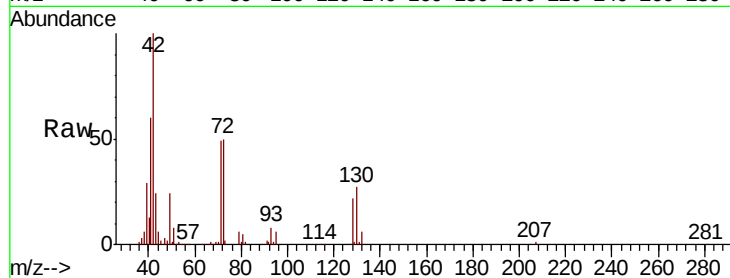
#29
Tetrahydrofuran
Concen: 253.483 ug/l
RT: 7.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.3	38.0	57.0
71	46.5	35.3	52.9

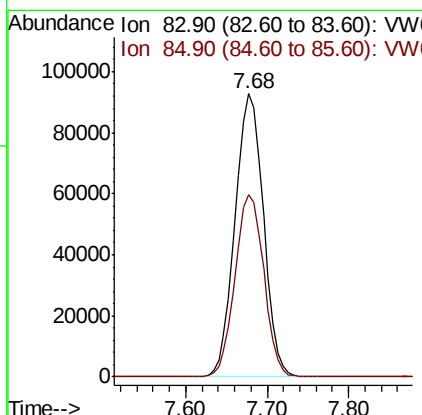
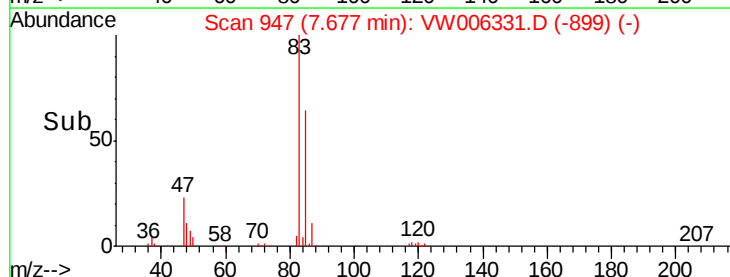
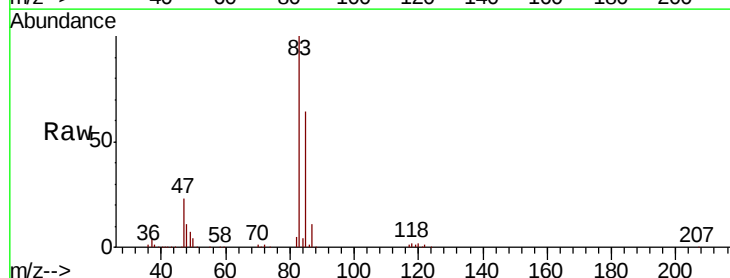
Manual Integrations
APPROVED

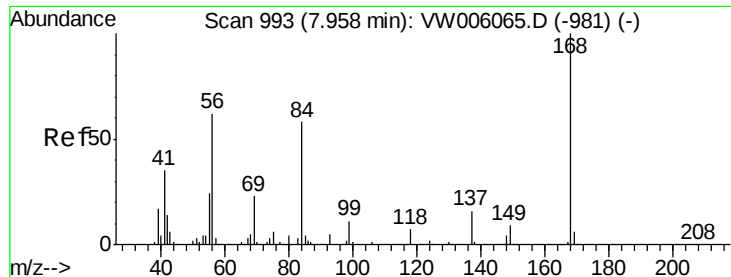
apatel
10/25/2018 12:47:38 PM



#30
Chloroform
Concen: 56.054 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.6	79.0





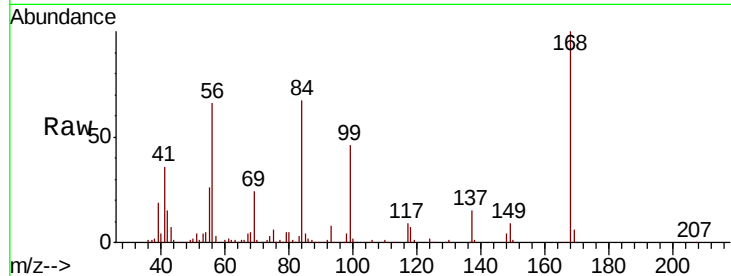
#31
Cyclohexane
Concen: 48.975 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.3	29.4	44.0
84	99.5	74.0	111.0

Manual Integrations
APPROVED

apatel
10/25/2018 12:47:38 PM

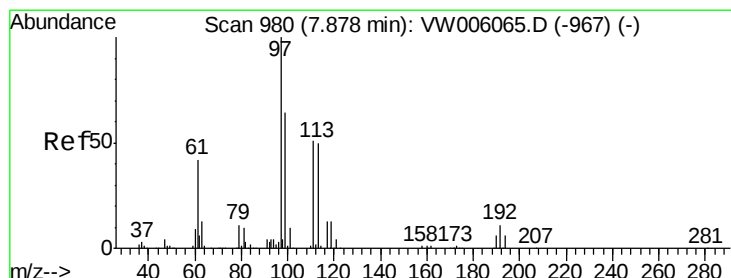
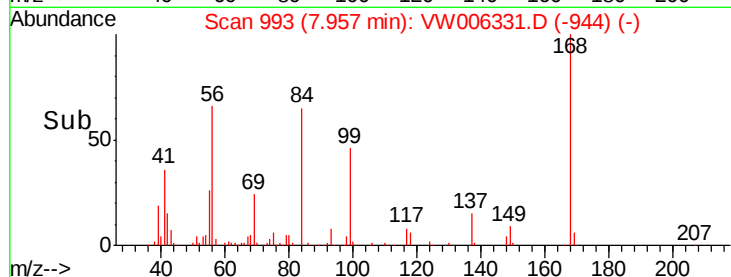
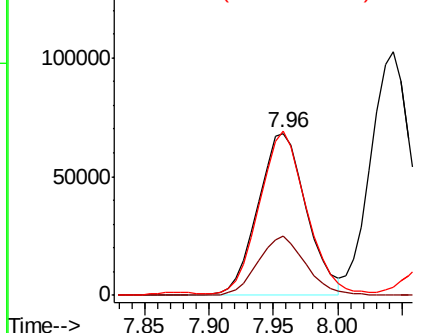


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32
1,1,1-Trichloroethane
Concen: 54.100 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

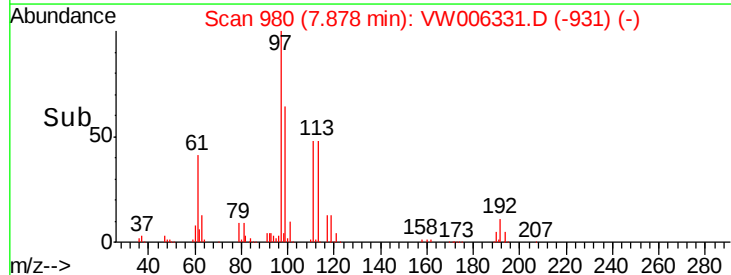
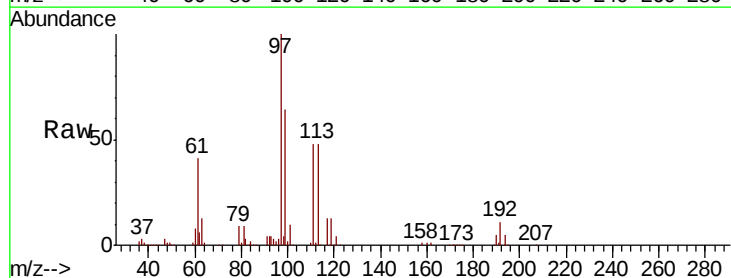
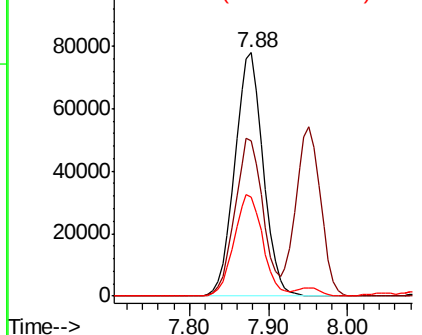
Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.9	76.3
61	42.5	33.7	50.5

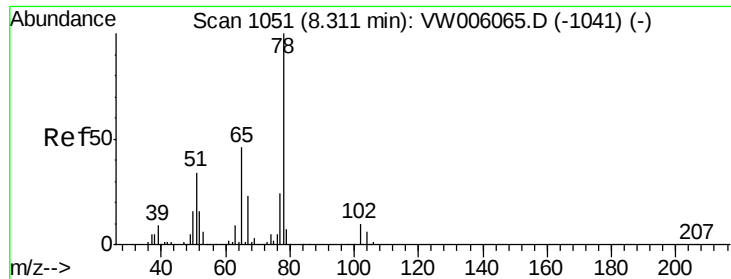
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 48.629 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 96822

Ion Ratio Lower Upper

65 100

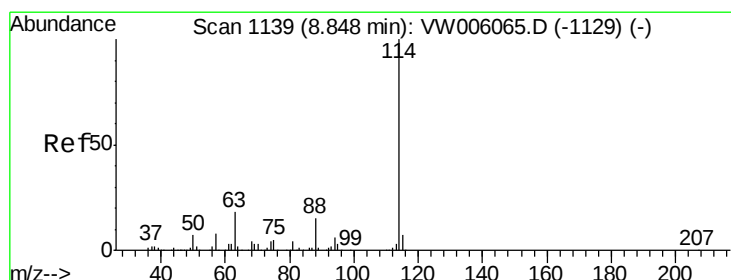
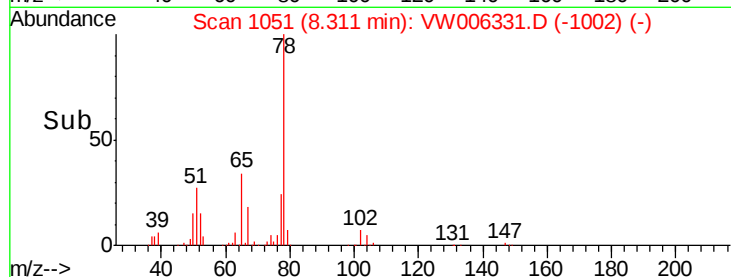
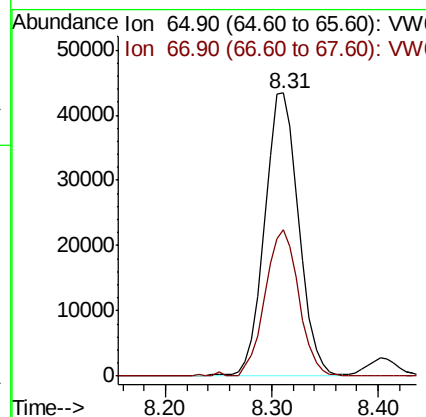
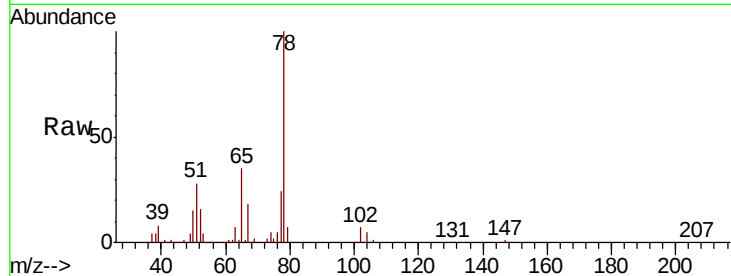
67 51.2 0.0 101.0

Manual Integrations

APPROVED

apatel

10/25/2018 12:47:38 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

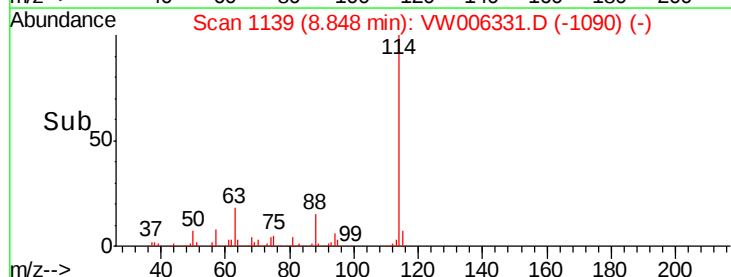
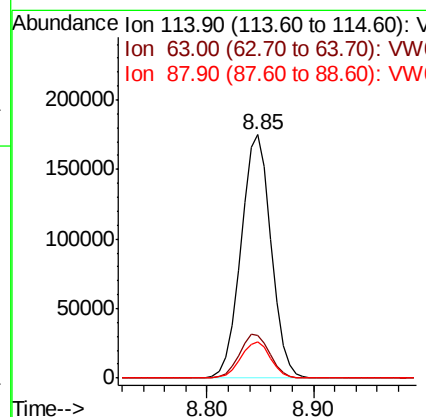
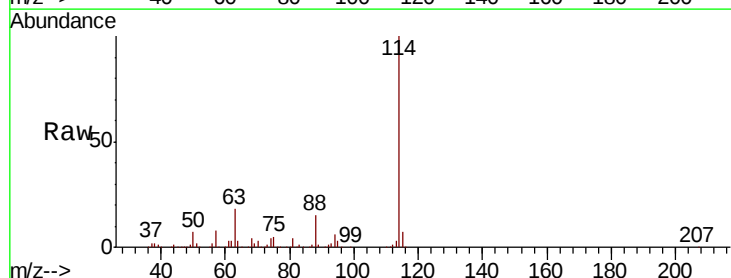
Tgt Ion: 114 Resp: 346912

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.8

88 14.7 0.0 29.0





#35

Dibromofluoromethane

Concen: 49.946 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

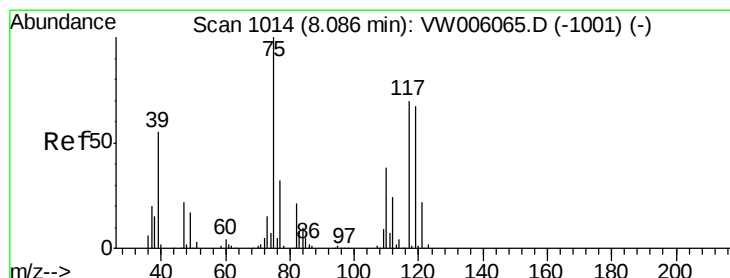
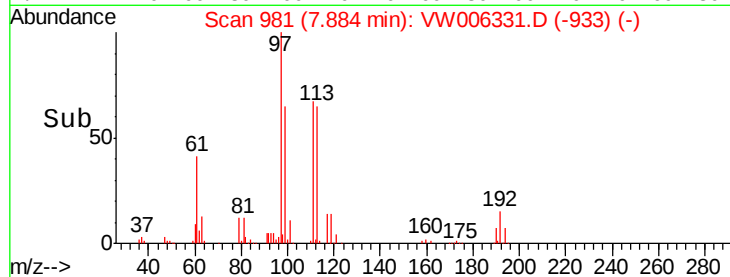
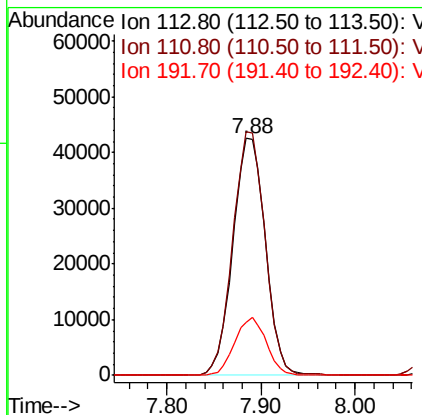
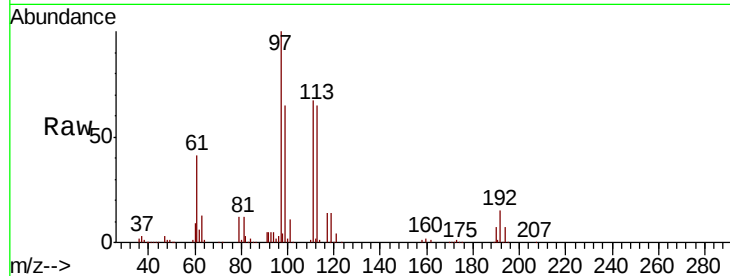
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	102384
Ion Ratio	Lower	Upper	
113	100		
111	101.8	81.4	122.0
192	23.5	18.7	28.1

Manual Integrations
APPROVED

apatel
10/25/2018 12:47:38 PM



#36

1,1-Dichloropropene

Concen: 54.565 ug/l

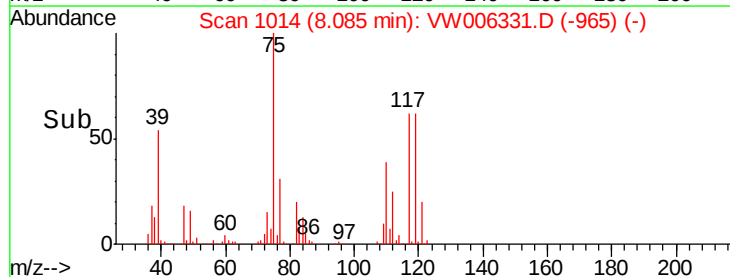
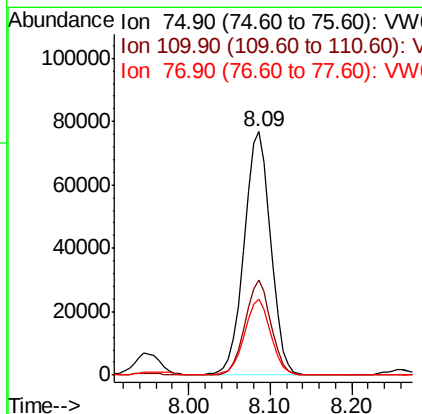
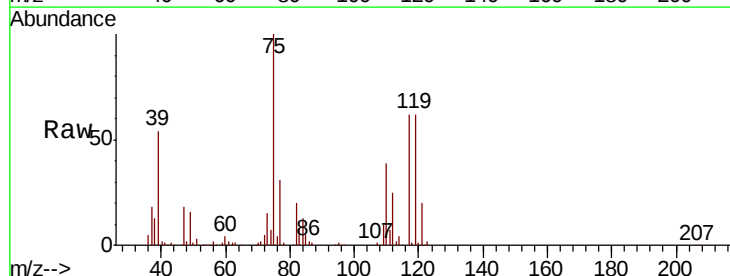
RT: 8.09 min Scan# 1014

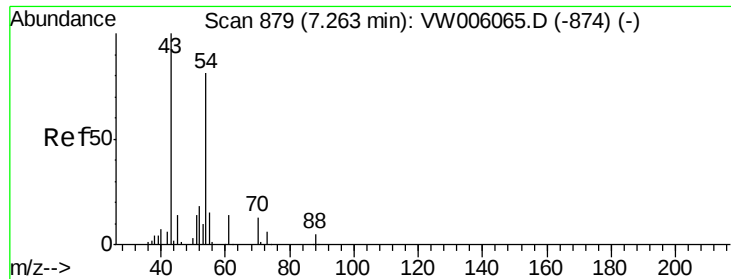
Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Tgt Ion:	75	Resp:	174476
Ion Ratio	Lower	Upper	
75	100		
110	37.9	19.1	57.1
77	30.7	25.0	37.4





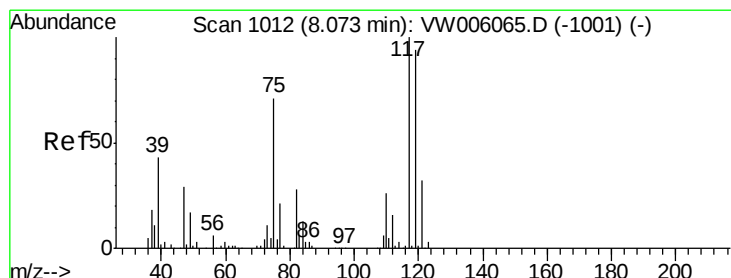
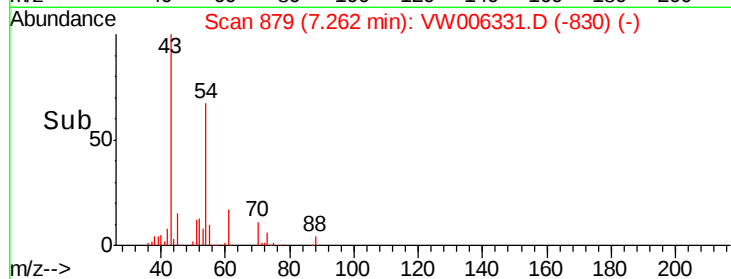
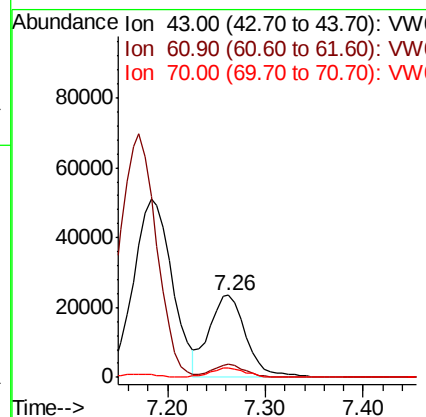
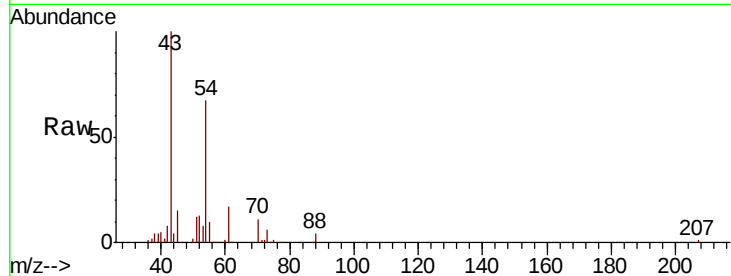
#37
Ethyl Acetate
Concen: 51.645 ug/l
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	15.0	11.5	17.3	
70	10.9	9.2	13.8	

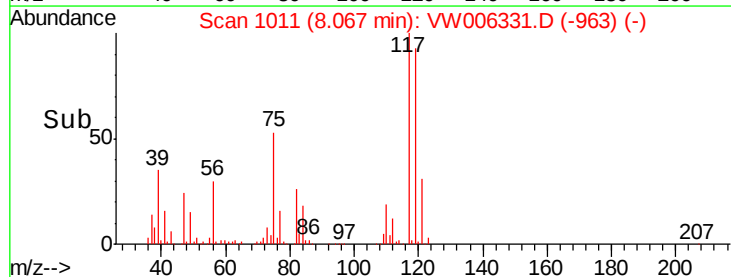
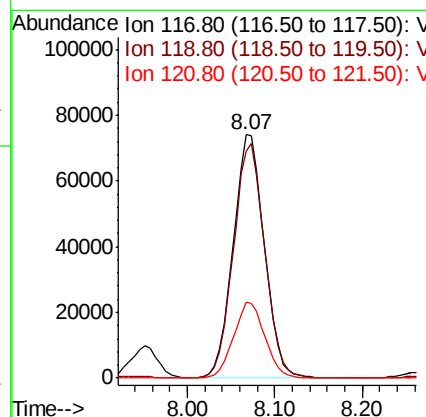
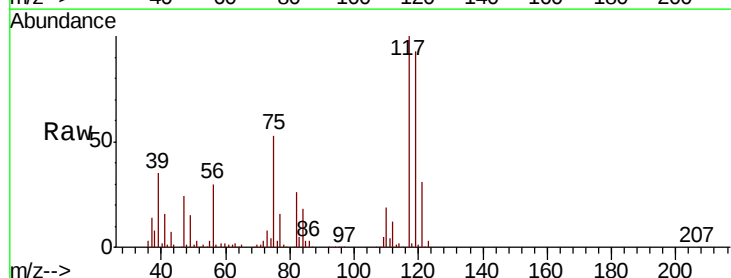
Manual Integrations
APPROVED

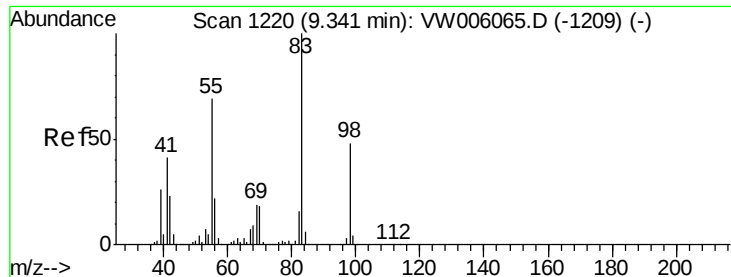
apatel
10/25/2018 12:47:38 PM



#38
Carbon Tetrachloride
Concen: 52.384 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	93.4	75.2	112.8	
121	31.2	25.3	37.9	





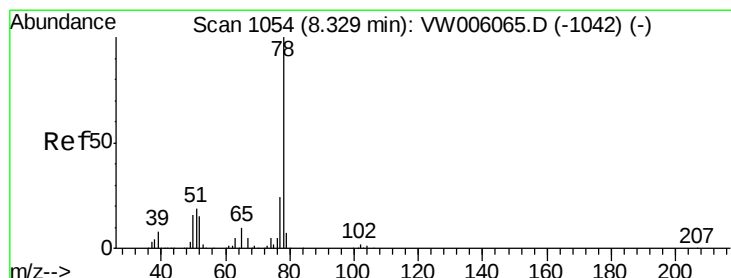
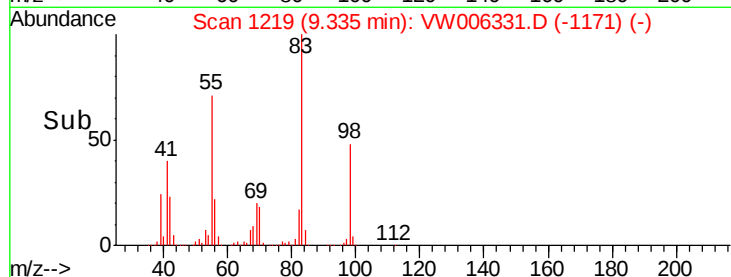
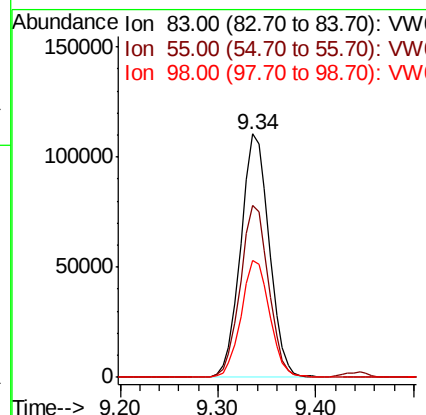
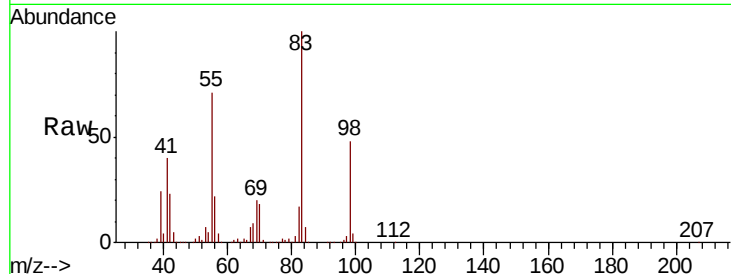
#39
Methvlcvclohexane
Concen: 52.726 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.6	55.0	82.6
98	47.9	38.6	57.8

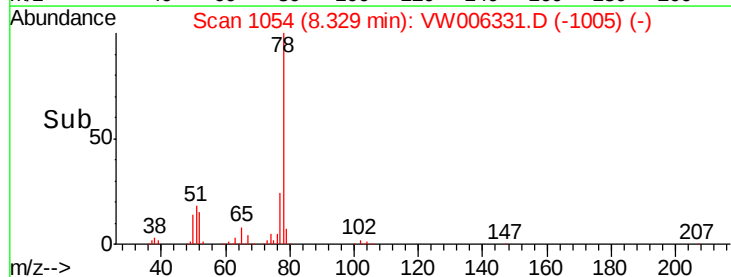
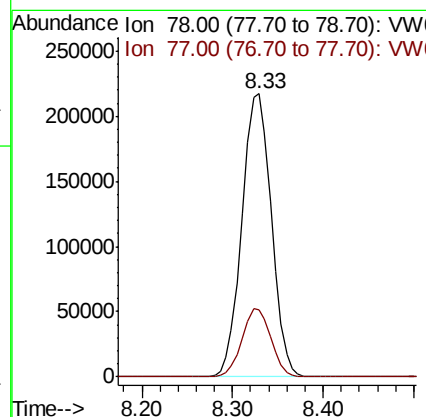
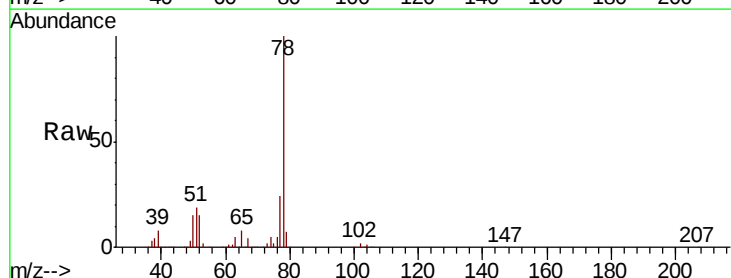
Manual Integrations
APPROVED

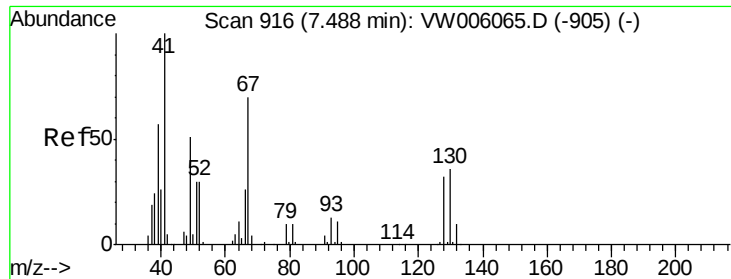
apatel
10/25/2018 12:47:38 PM



#40
Benzene
Concen: 55.819 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.4	29.0





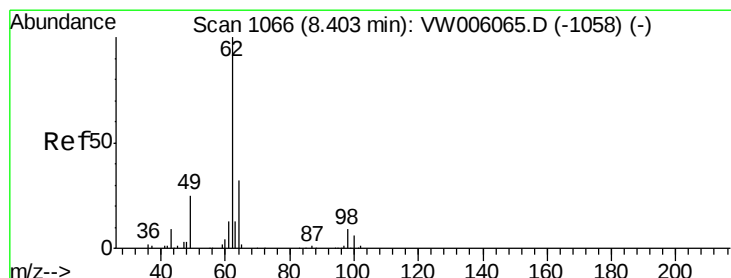
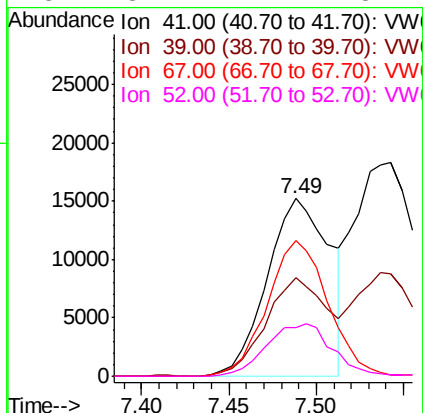
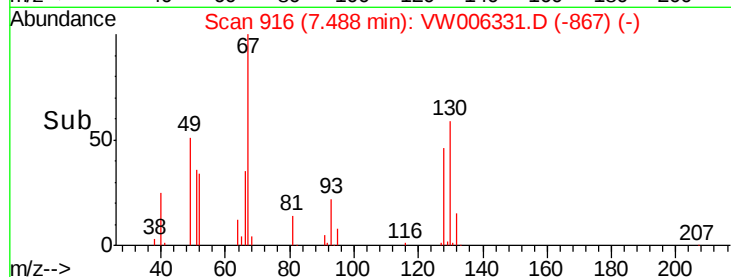
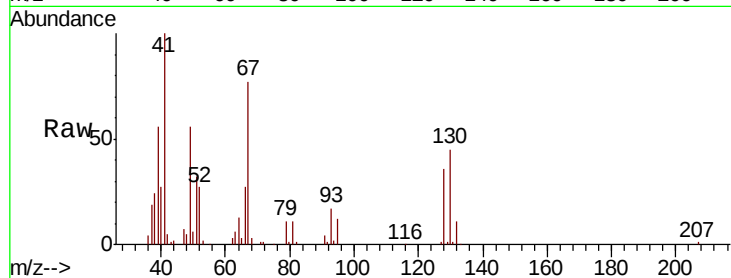
#41
Methacrylonitrile
Concen: 53.143 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		38060		
39	54.6	46.2	69.4		
67	74.3	57.7	86.5		
52	31.2	24.7	37.1		

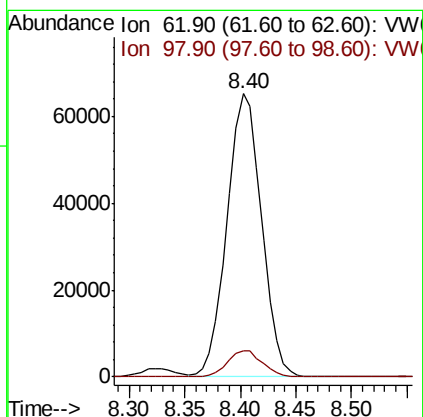
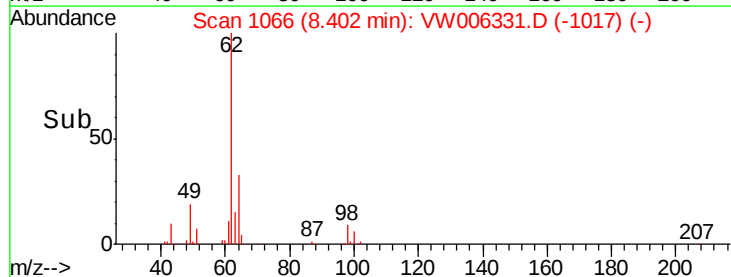
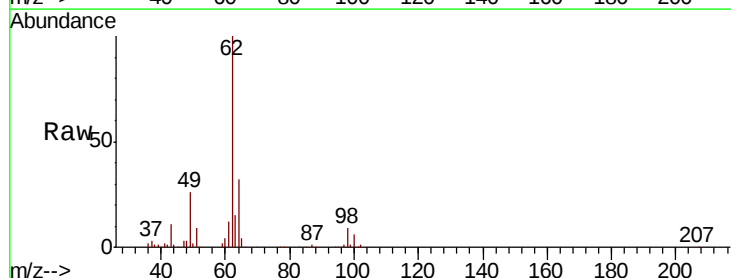
Manual Integrations
APPROVED

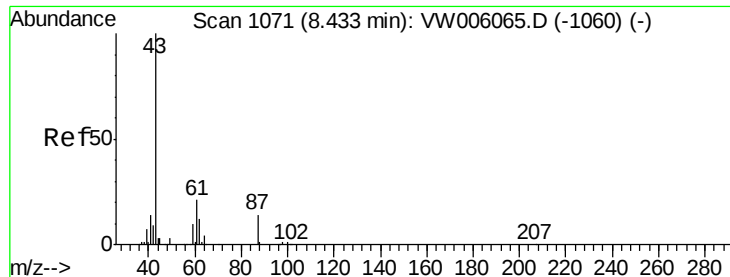
apatel
10/25/2018 12:47:38 PM



#42
1,2-Dichloroethane
Concen: 54.514 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		140480		
98	9.3	0.0	18.4		





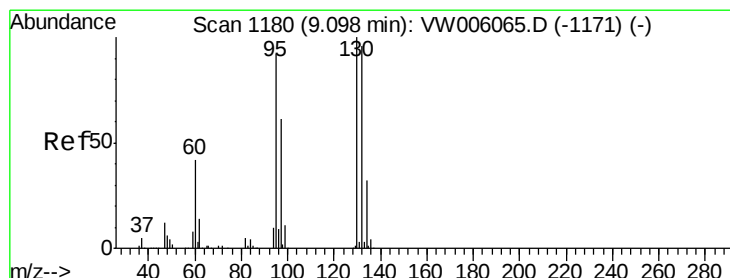
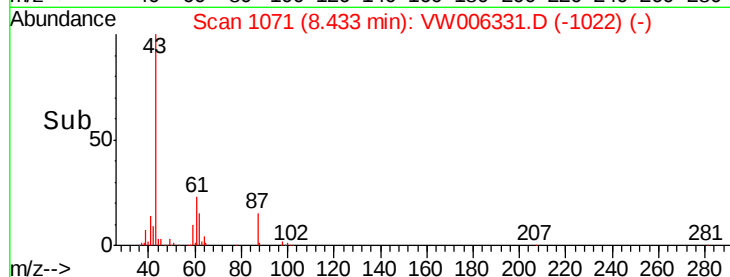
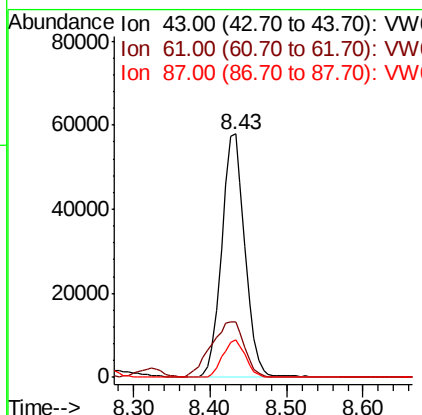
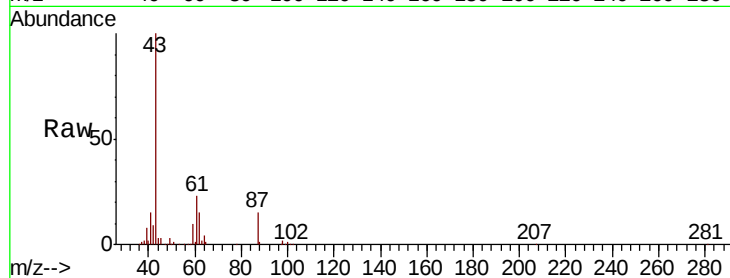
#43
Isopropyl Acetate
Concen: 49.721 ug/l
RT: 8.43 min Scan# 1071
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.9	25.5	38.3
87	15.2	11.7	17.5

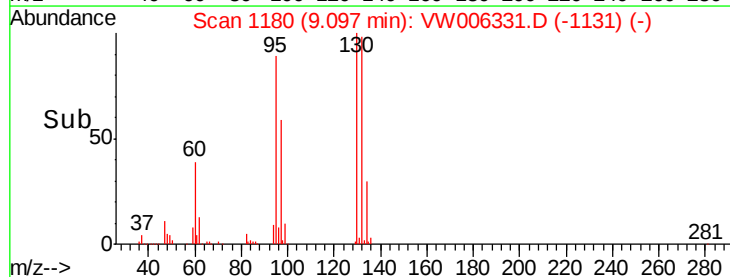
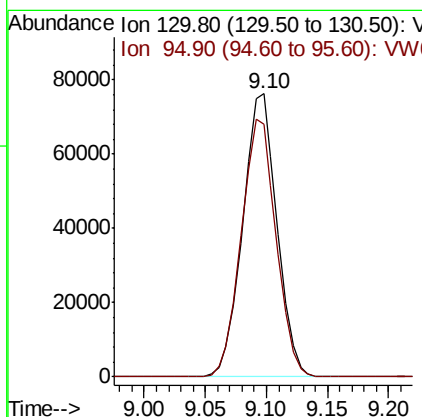
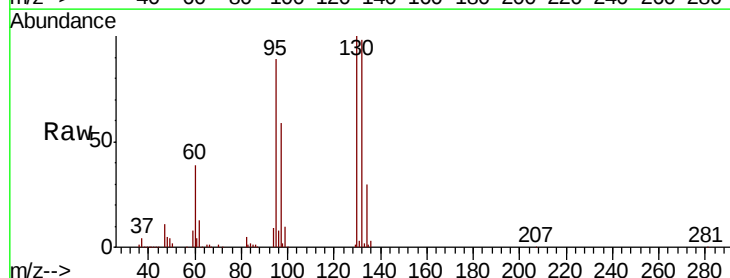
Manual Integrations
APPROVED

apatel
10/25/2018 12:47:38 PM



#44
Trichloroethene
Concen: 55.157 ug/l
RT: 9.10 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.1	0.0	183.2





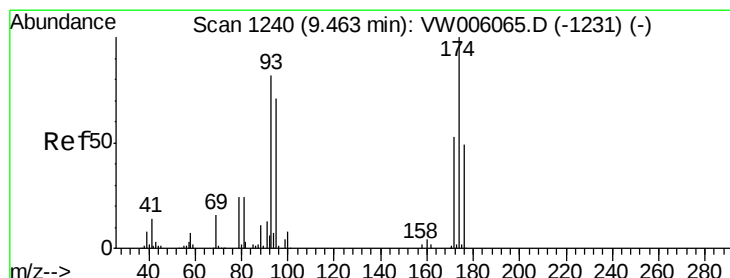
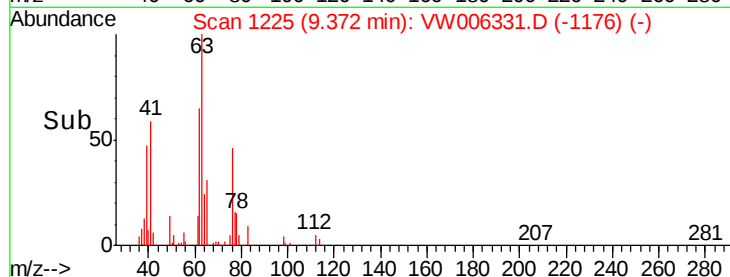
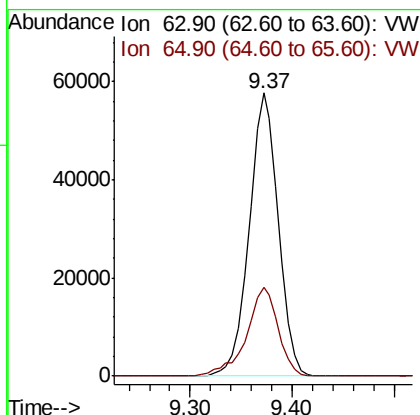
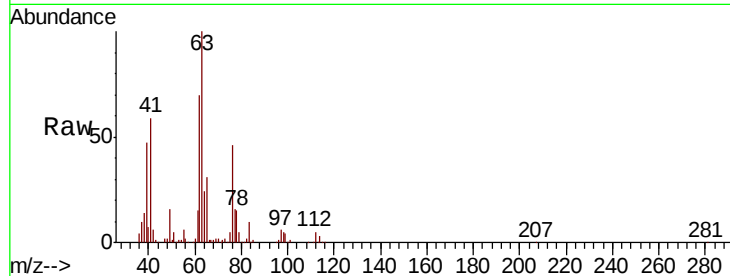
#45
 1,2-Dichloropropane
 Concen: 54.448 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.4	38.0

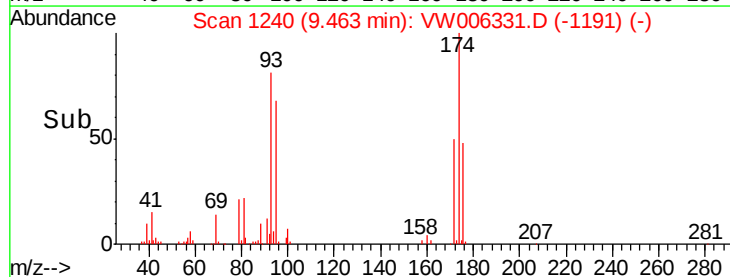
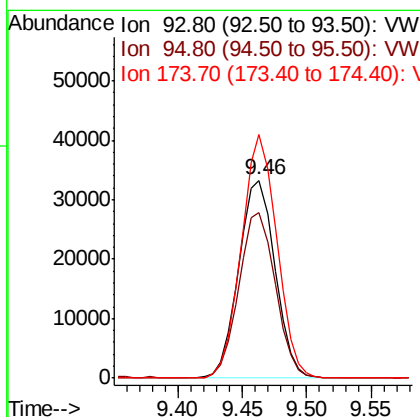
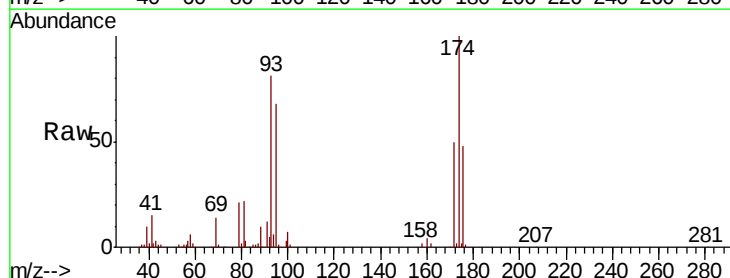
Manual Integrations
 APPROVED

apatel
 10/25/2018 12:47:38 PM



#46
 Dibromomethane
 Concen: 54.427 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	67.7	101.5
174	119.7	93.7	140.5





#47

Bromodichloromethane

Concen: 54.167 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

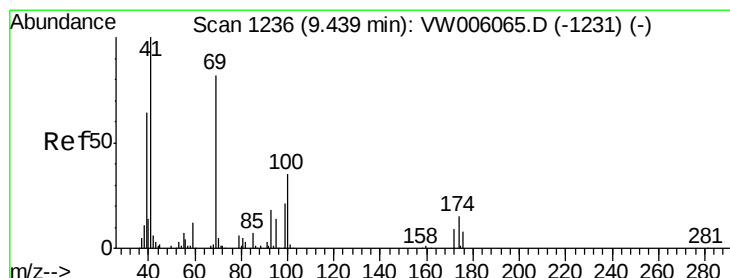
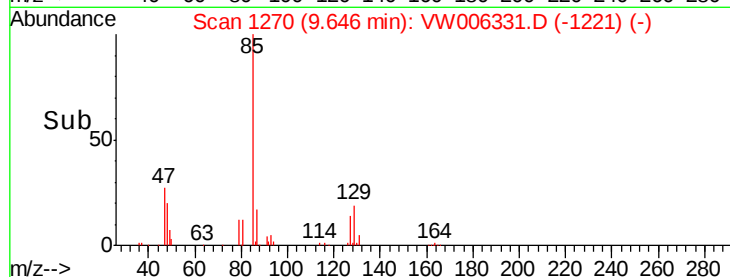
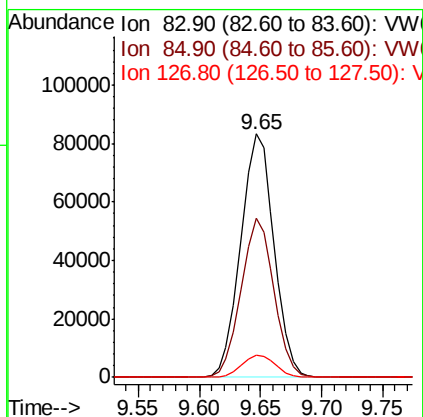
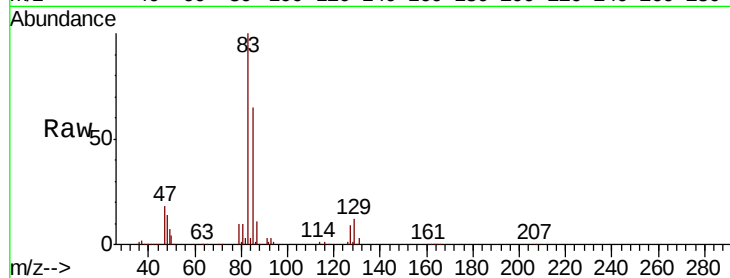
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	157098
Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.8	77.8
127	9.2	6.9	10.3

Manual Integrations
APPROVED

apatel
10/25/2018 12:47:38 PM



#48

Methyl methacrylate

Concen: 50.944 ug/l

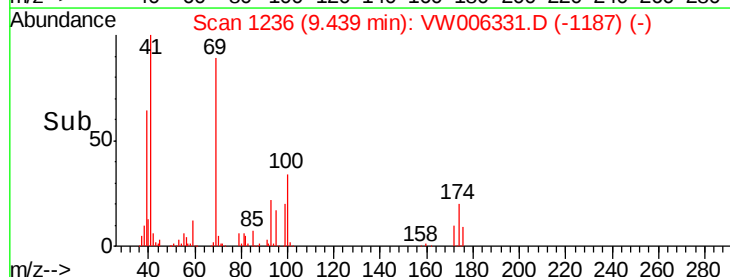
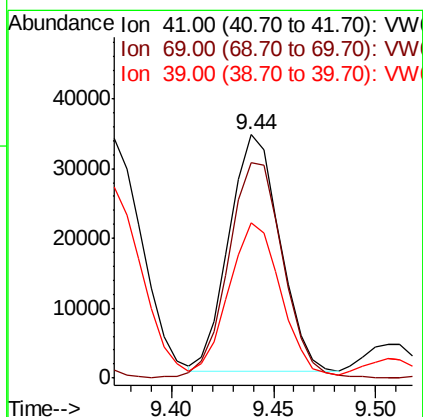
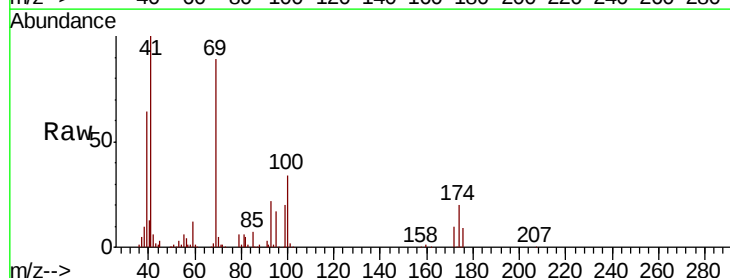
RT: 9.44 min Scan# 1236

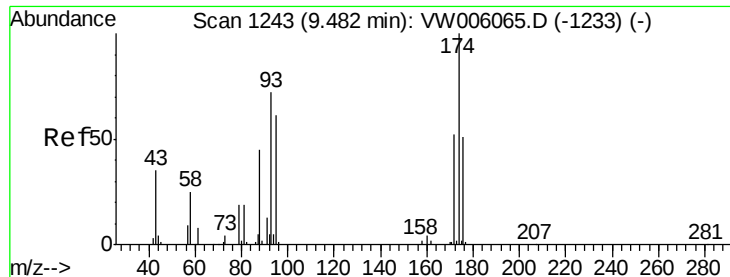
Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Tgt Ion:	41	Resp:	58657
Ion	Ratio	Lower	Upper
41	100		
69	97.4	71.8	107.8
39	64.4	52.5	78.7





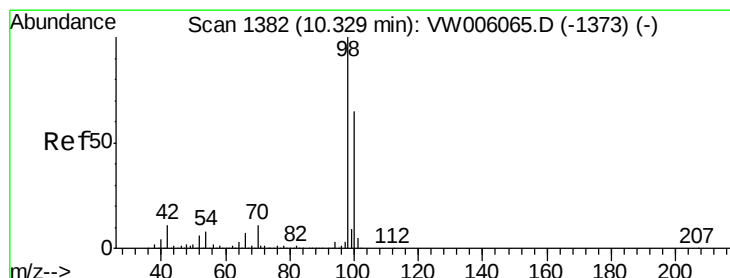
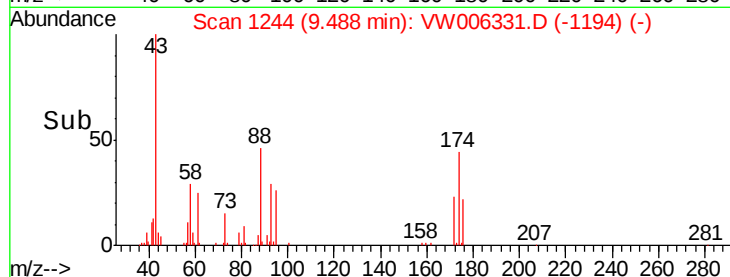
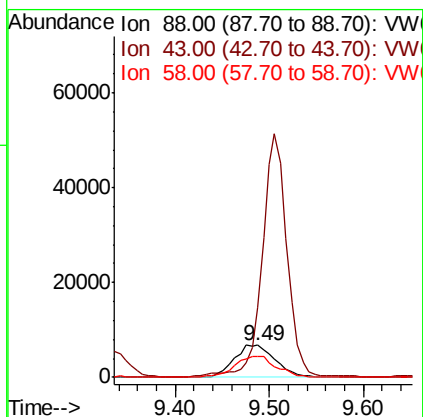
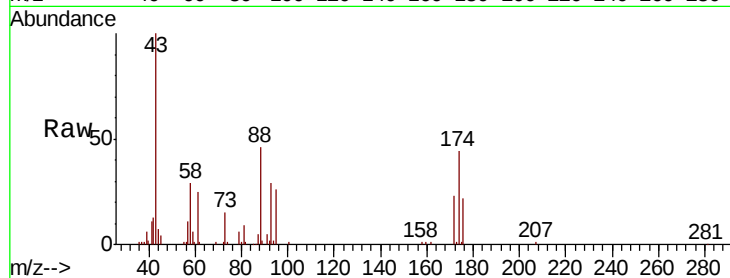
#49
1,4-Dioxane
Concen: 1136.350 ug/l
RT: 9.49 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	66.2	51.2	76.8

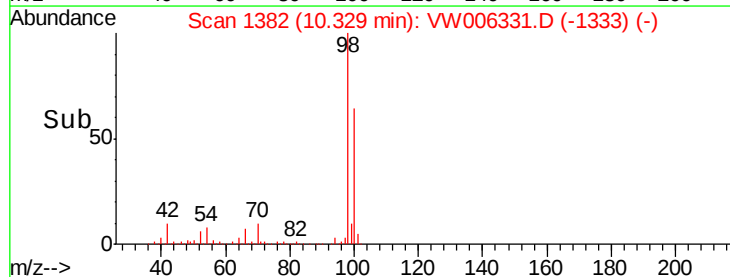
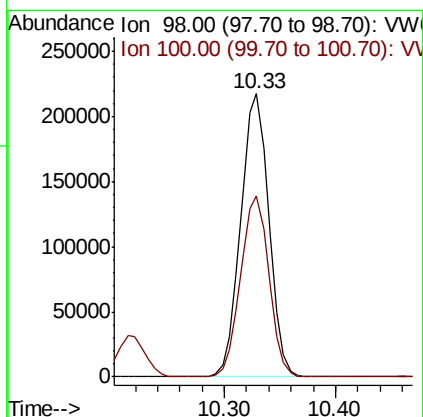
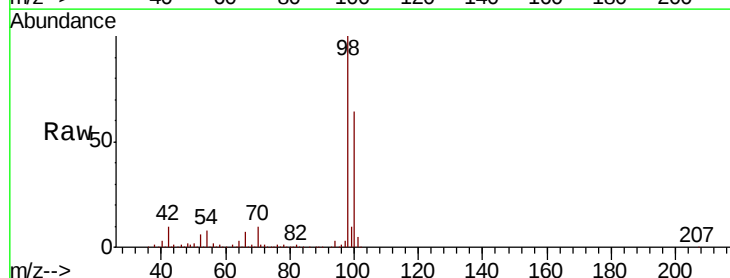
Manual Integrations
APPROVED

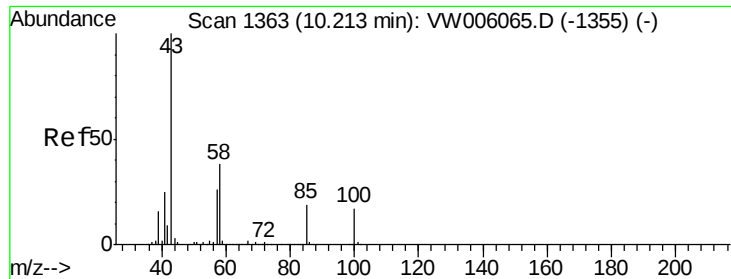
apatel
10/25/2018 12:47:38 PM



#50
Toluene-d8
Concen: 48.941 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 253.547 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 308580

Ion Ratio Lower Upper

43 100

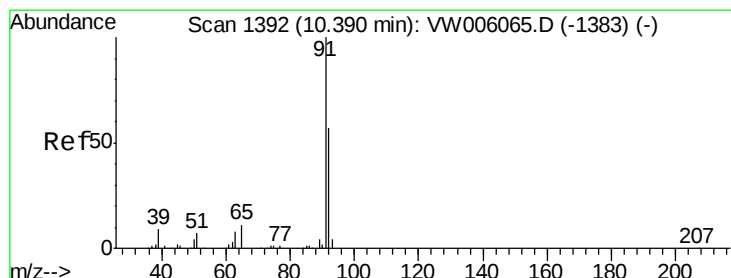
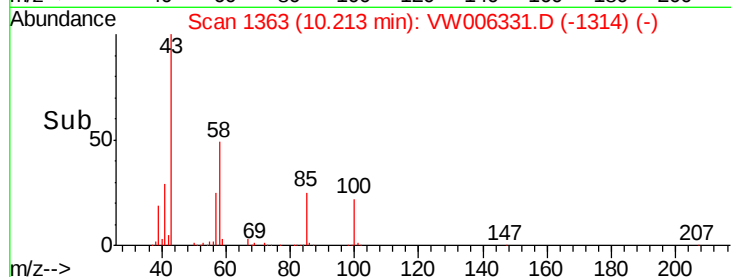
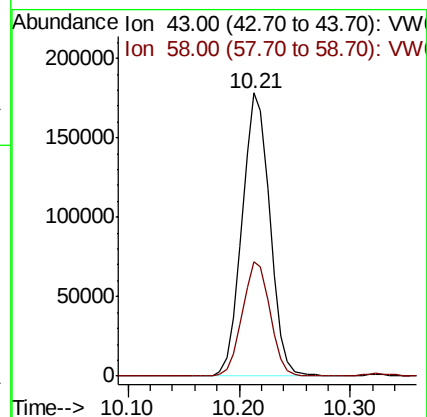
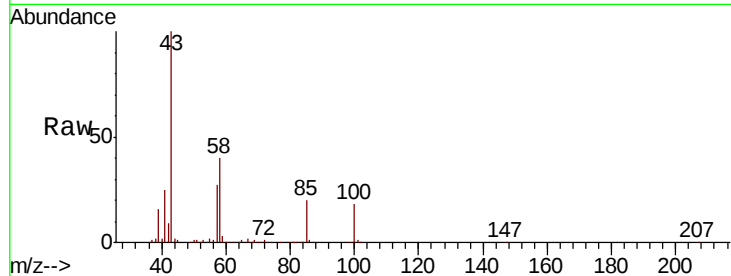
58 40.3 31.5 47.3

Manual Integrations

APPROVED

apatel

10/25/2018 12:47:38 PM



#52

Toluene

Concen: 55.660 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006331.D

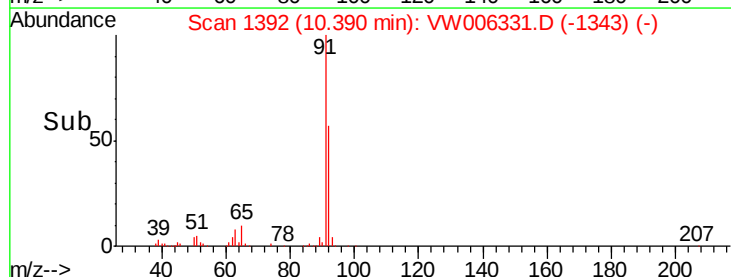
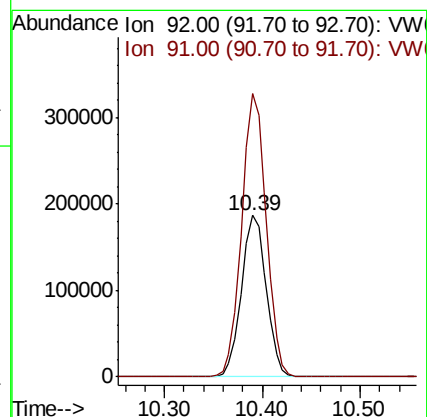
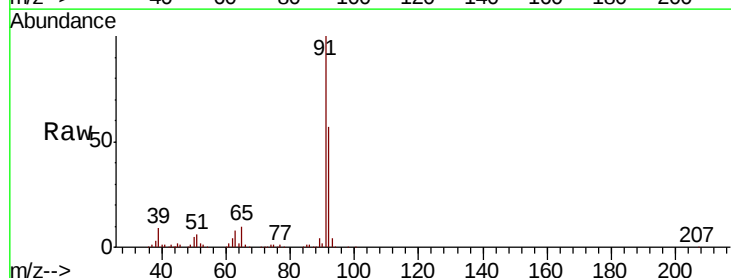
Acq: 24 Oct 2018 22:27

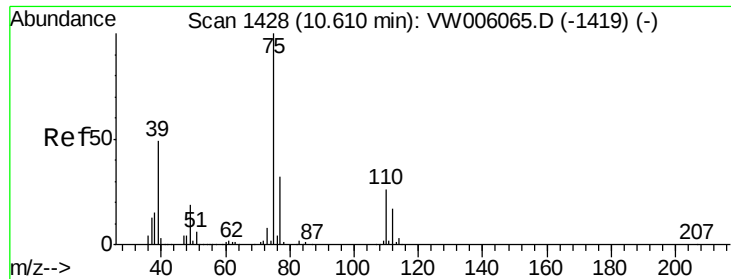
Tgt Ion: 92 Resp: 327302

Ion Ratio Lower Upper

92 100

91 174.1 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 52.259 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 151008

Ion Ratio Lower Upper

75 100

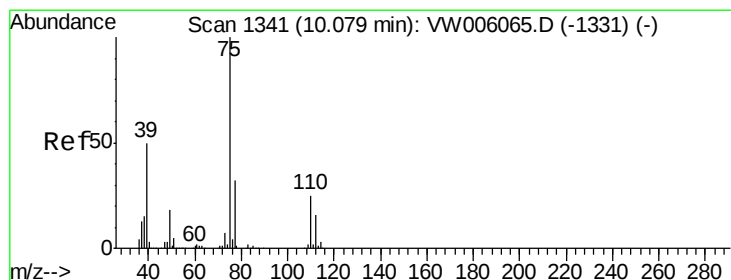
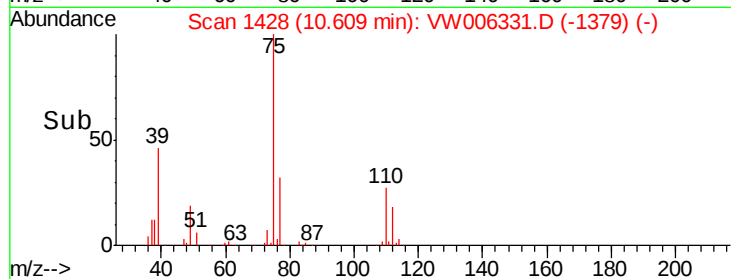
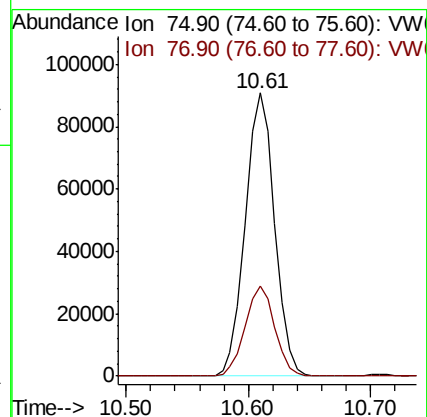
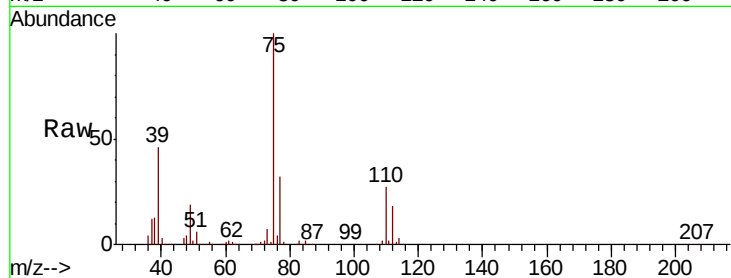
77 31.9 25.4 38.2

Manual Integrations

APPROVED

apatel

10/25/2018 12:47:38 PM



#54

cis-1,3-Dichloropropene

Concen: 53.908 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

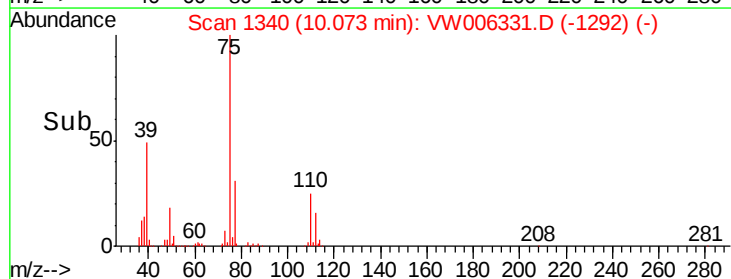
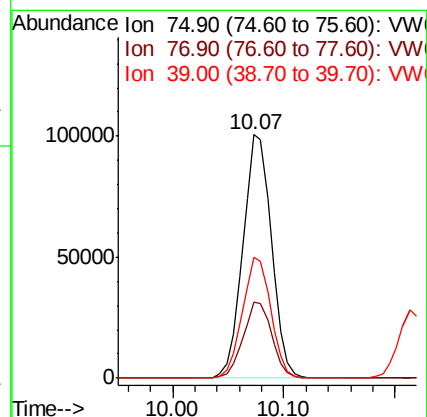
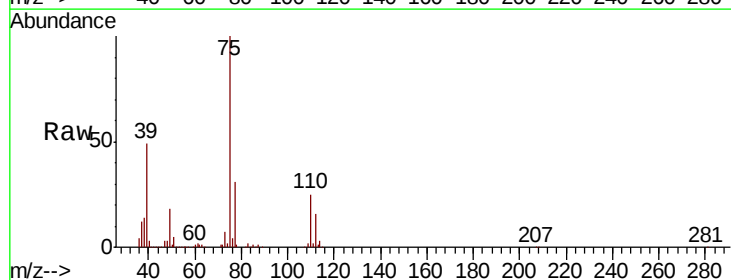
Tgt Ion: 75 Resp: 178779

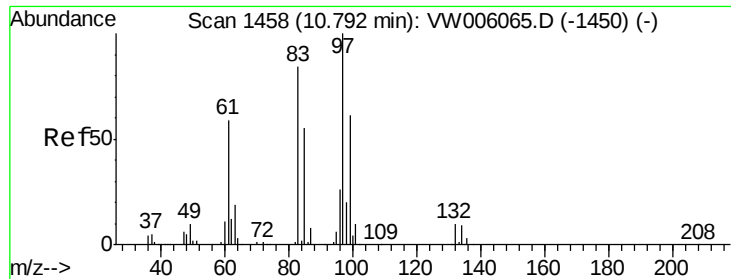
Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8

39 49.3 39.9 59.9





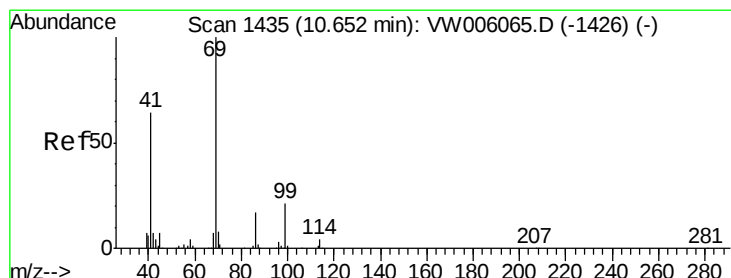
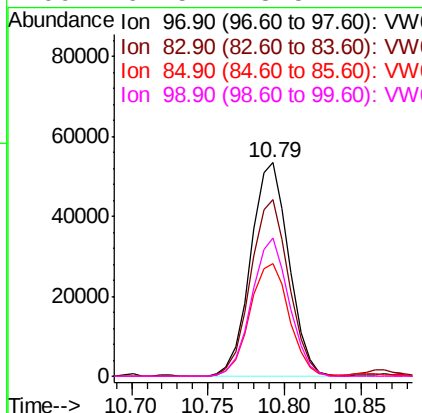
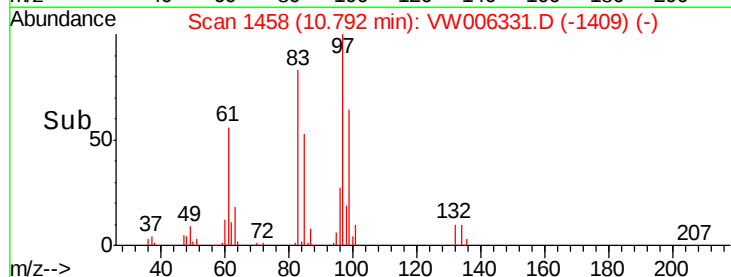
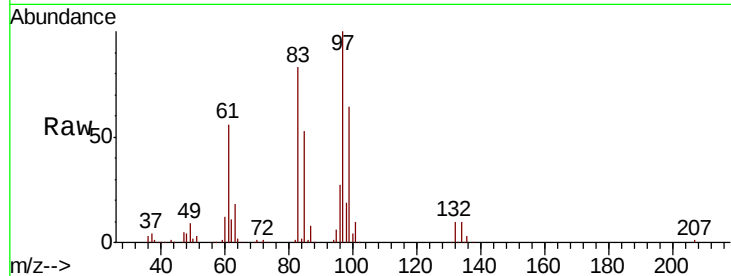
#55
 1,1,2-Trichloroethane
 Concen: 55.575 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	93034
Ion	Ratio	Lower	Upper
97	100		
83	82.6	67.2	100.8
85	53.0	43.7	65.5
99	64.5	48.5	72.7

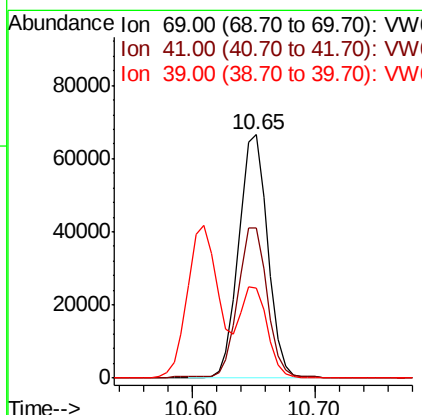
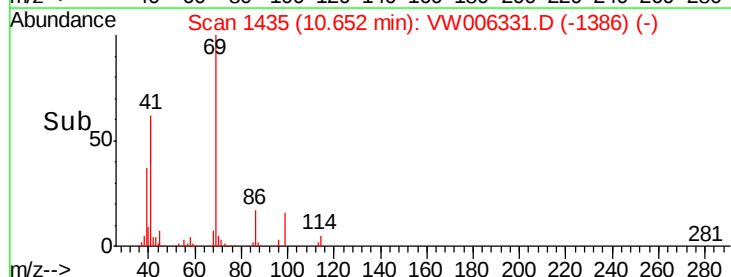
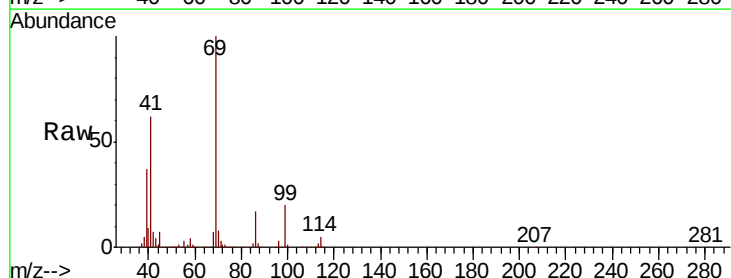
Manual Integrations
 APPROVED

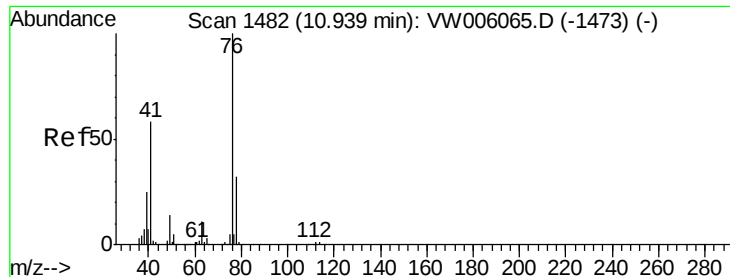
apatel
 10/25/2018 12:47:38 PM



#56
 Ethyl methacrylate
 Concen: 53.289 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Tgt Ion:	69	Resp:	109361
Ion	Ratio	Lower	Upper
69	100		
41	62.2	52.8	79.2
39	34.2	30.6	45.8





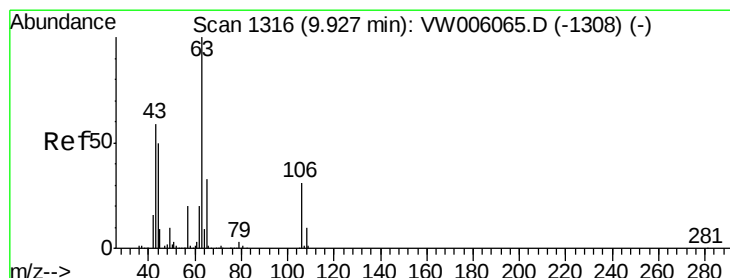
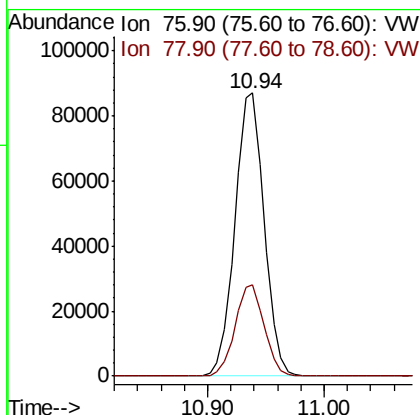
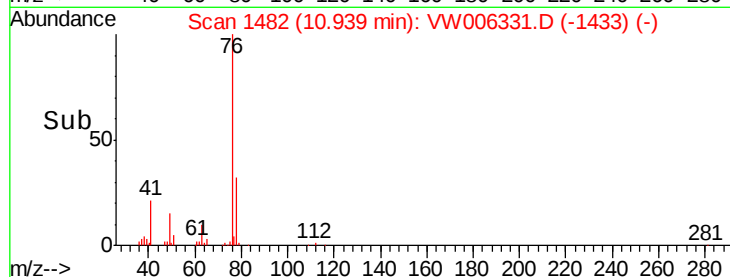
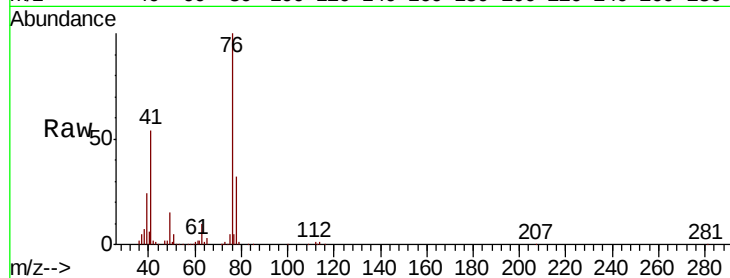
#57
 1,3-Dichloropropane
 Concen: 54.941 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 152253
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.9 38.9

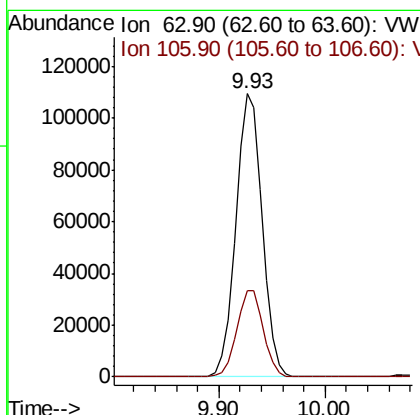
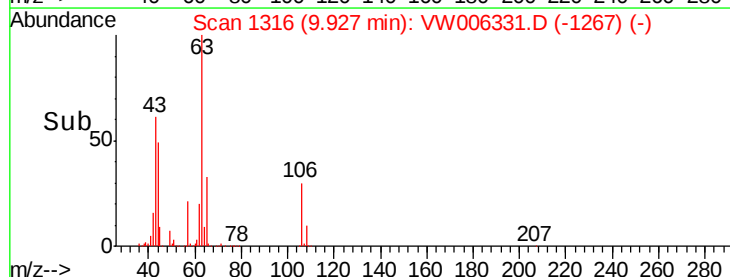
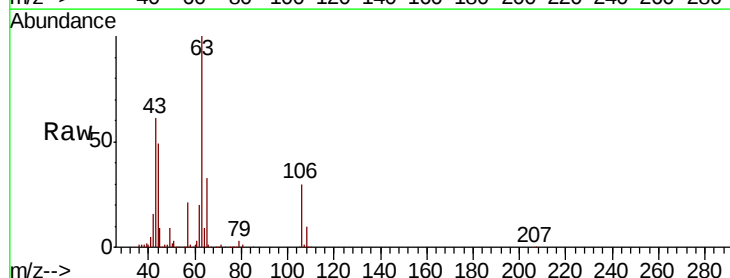
Manual Integrations
 APPROVED

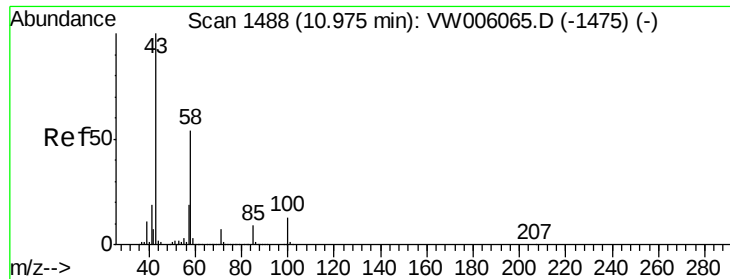
apatel
 10/25/2018 12:47:38 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.927 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Tgt Ion: 63 Resp: 189714
 Ion Ratio Lower Upper
 63 100
 106 30.7 24.5 36.7





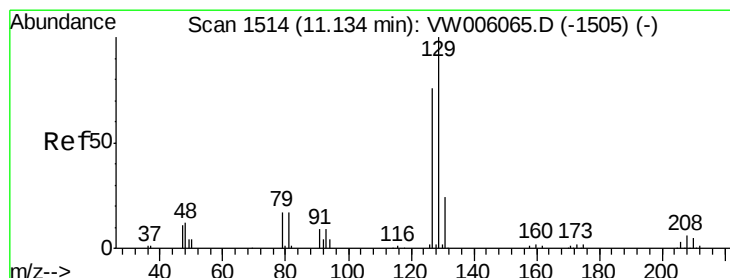
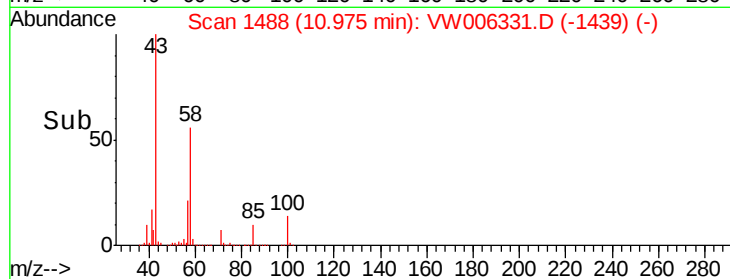
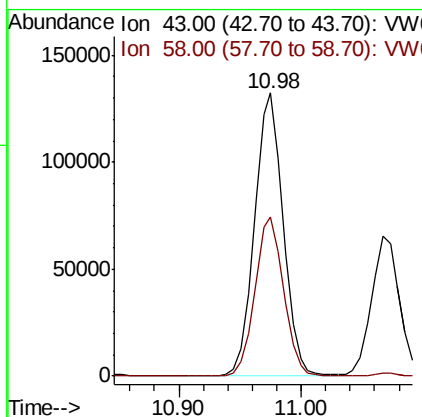
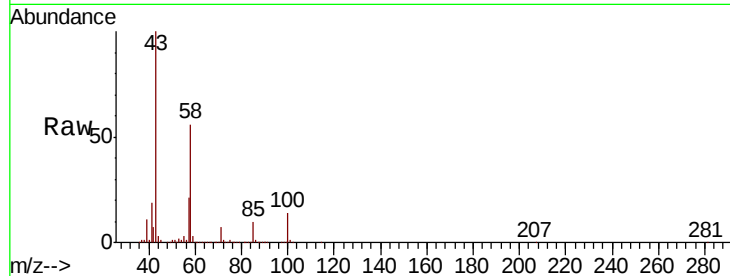
#59
2-Hexanone
Concen: 249.306 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43.00	Resp	216591
Ion	Ratio	Lower	Upper
43	100		
58	56.1	26.9	80.6

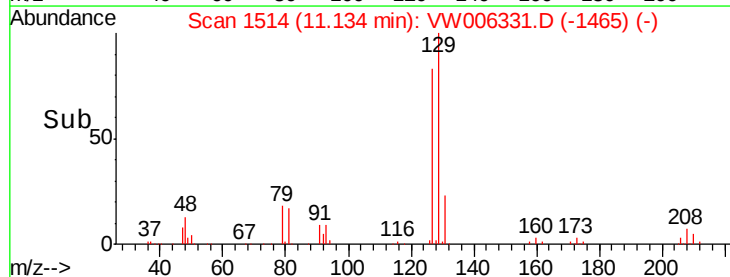
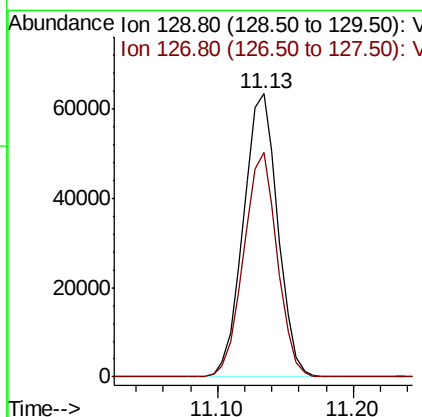
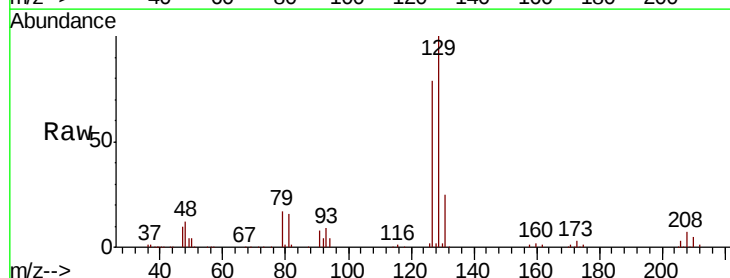
Manual Integrations
APPROVED

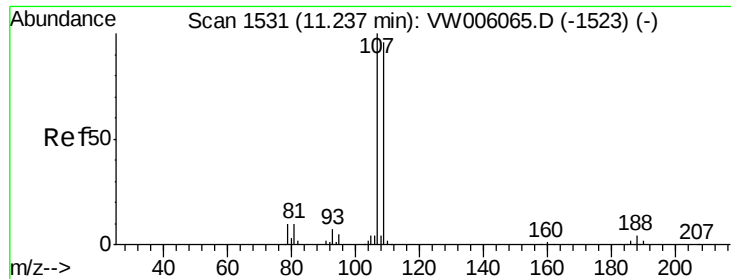
apatel
10/25/2018 12:47:38 PM



#60
Dibromochloromethane
Concen: 53.802 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion	129	Resp	112186
Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.6	115.7





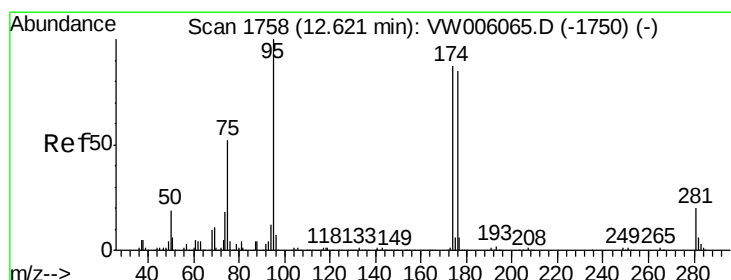
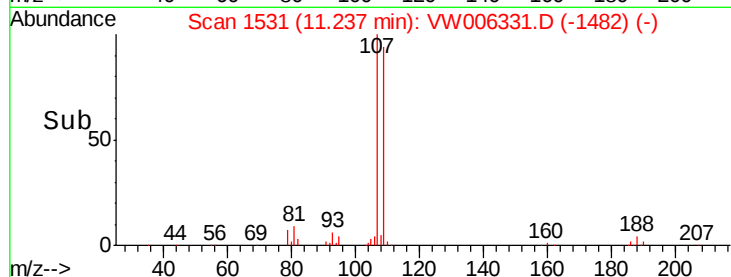
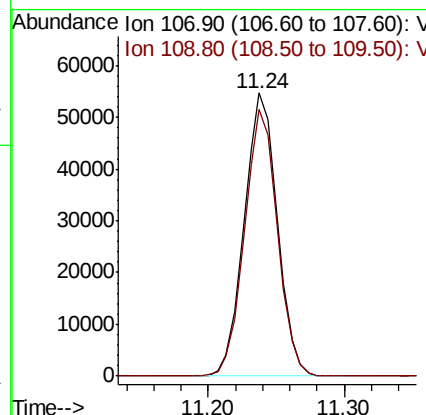
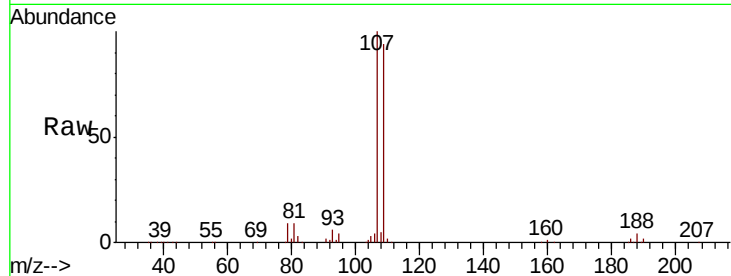
#61
 1,2-Dibromoethane
 Concen: 55.477 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	76.3	114.5

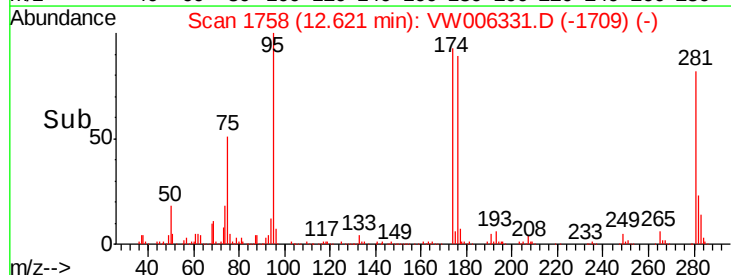
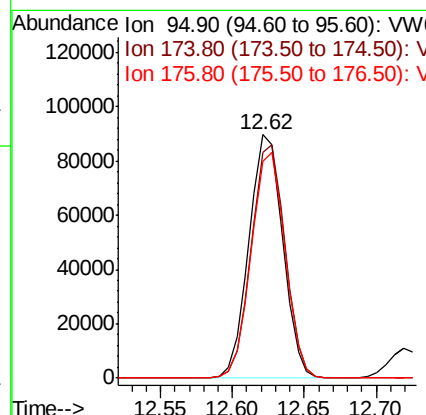
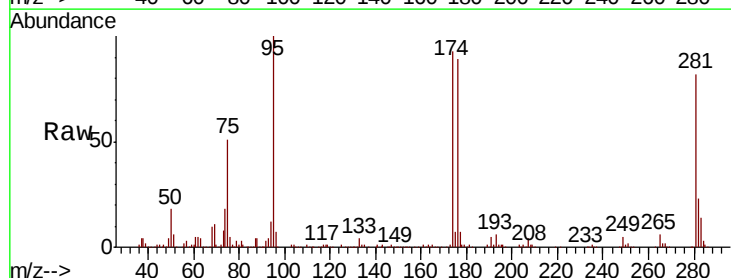
Manual Integrations
 APPROVED

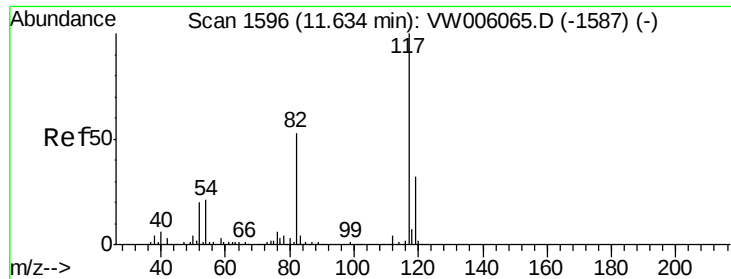
apatel
 10/25/2018 12:47:38 PM



#62
 4-Bromofluorobenzene
 Concen: 49.838 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.1	0.0	186.0
176	92.6	0.0	181.6





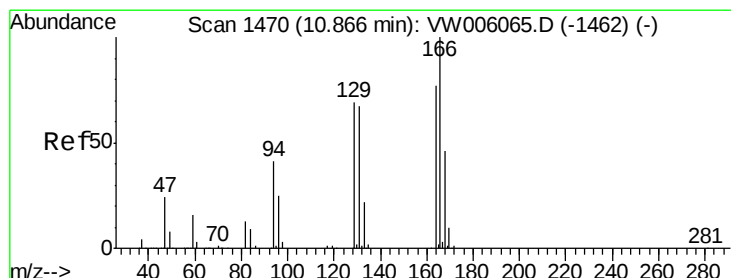
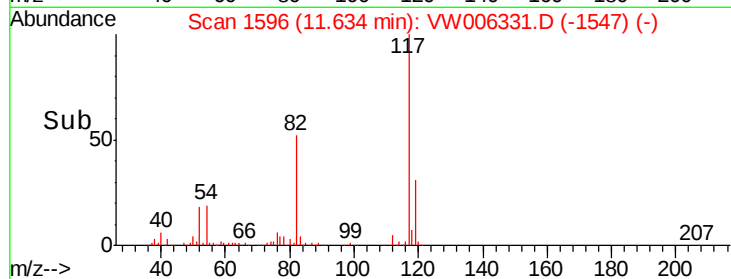
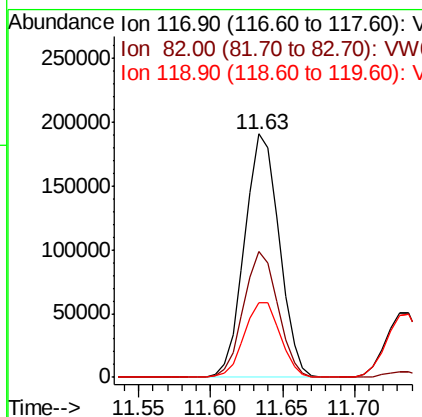
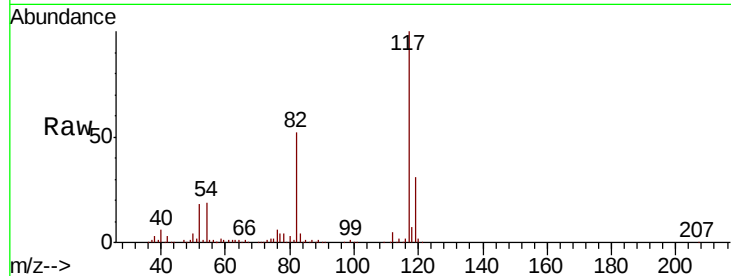
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.1	63.1
119	30.8	25.8	38.6

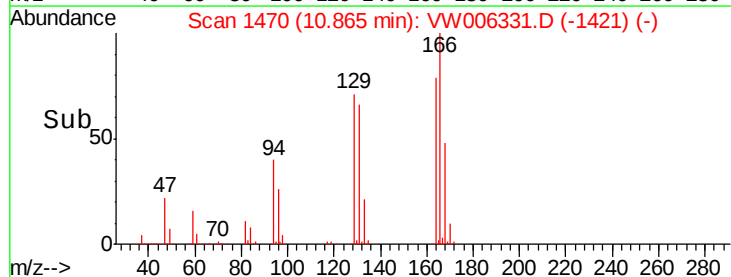
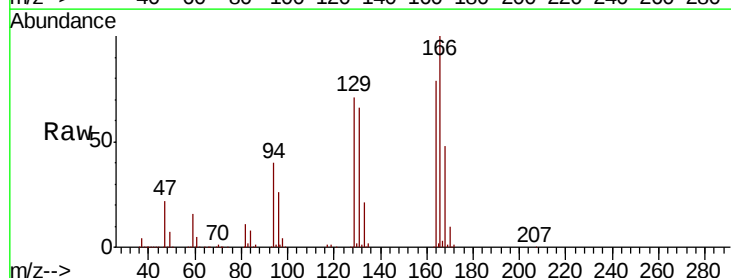
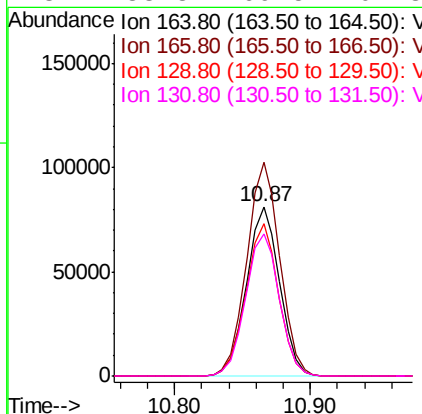
Manual Integrations
APPROVED

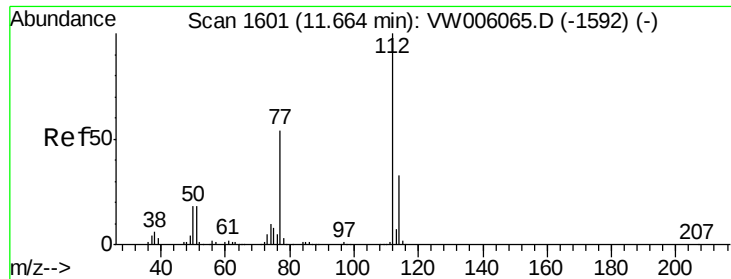
apatel
10/25/2018 12:47:38 PM



#64
Tetrachloroethene
Concen: 55.893 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	103.4	155.0
129	89.9	71.8	107.8
131	83.8	69.5	104.3





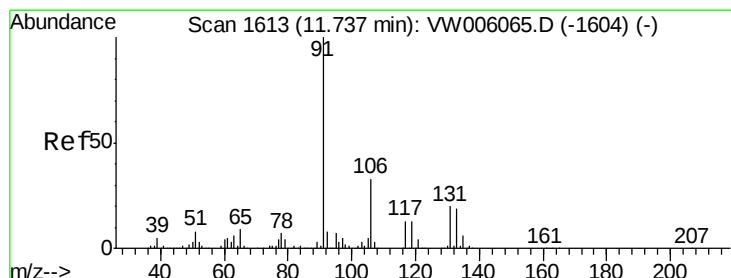
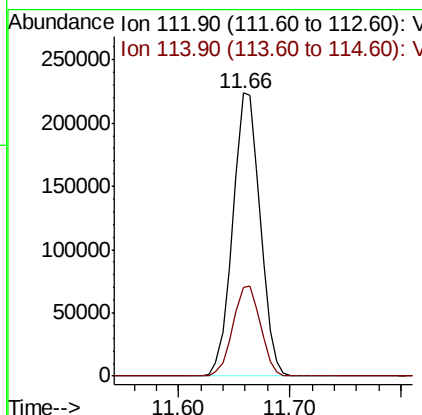
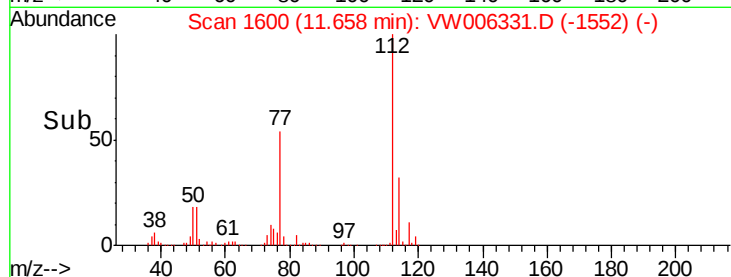
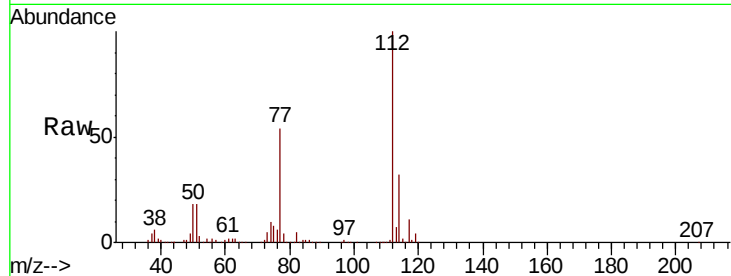
#65
Chlorobenzene
Concen: 55.856 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	26.2	39.2

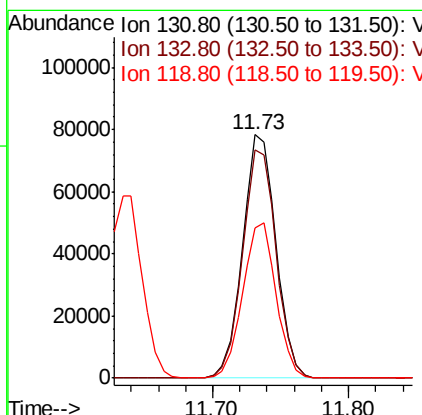
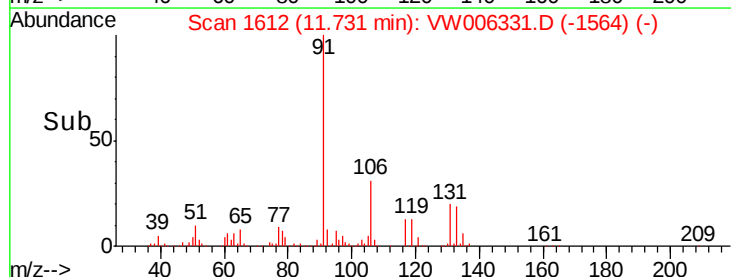
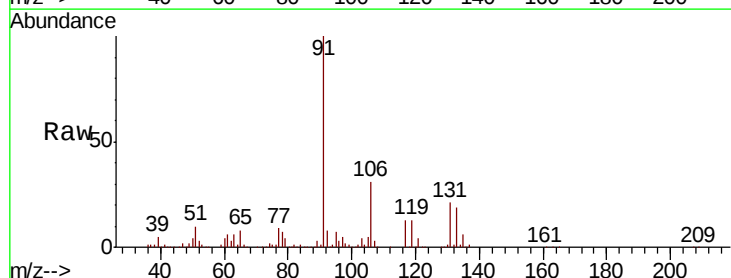
Manual Integrations
APPROVED

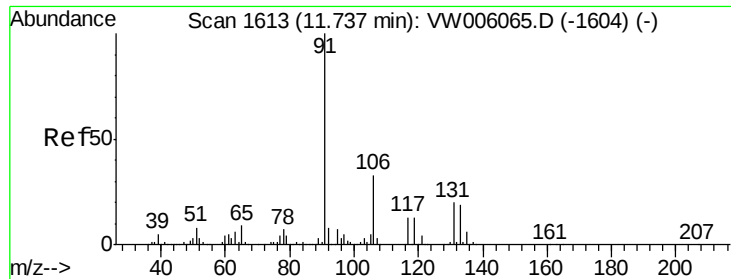
apatel
10/25/2018 12:47:38 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.350 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.1	144.3
119	63.7	31.6	94.7





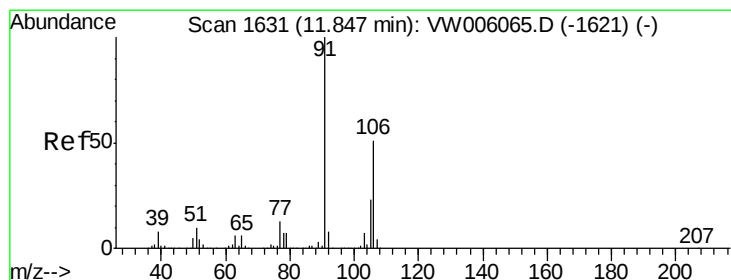
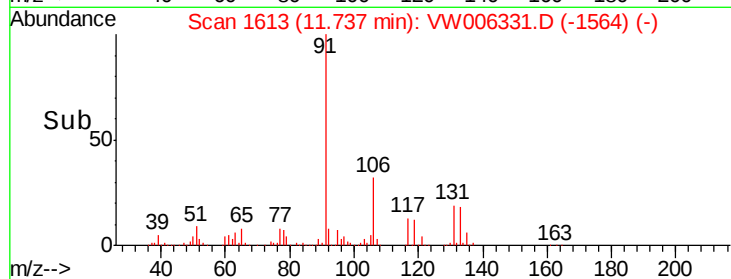
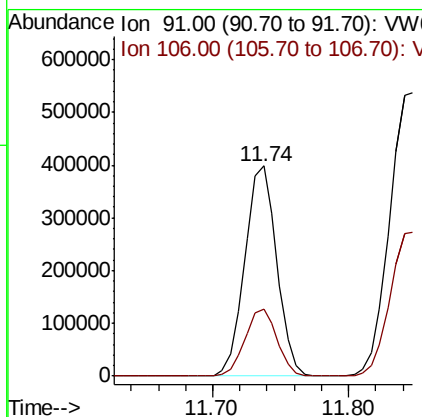
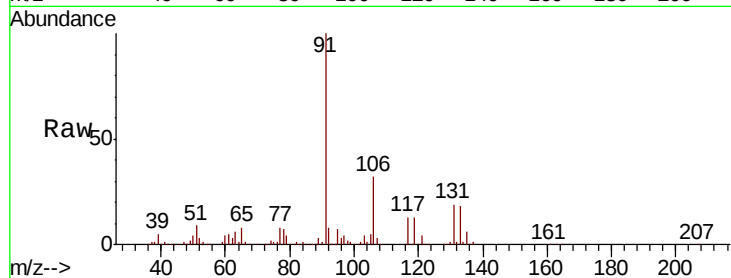
#67
Ethyl Benzene
Concen: 55.376 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 654193
Ion Ratio Lower Upper
91 100
106 32.0 26.1 39.1

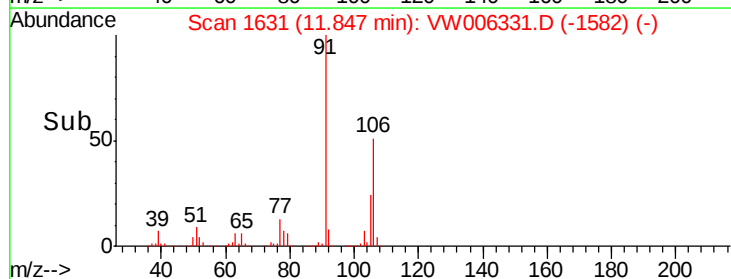
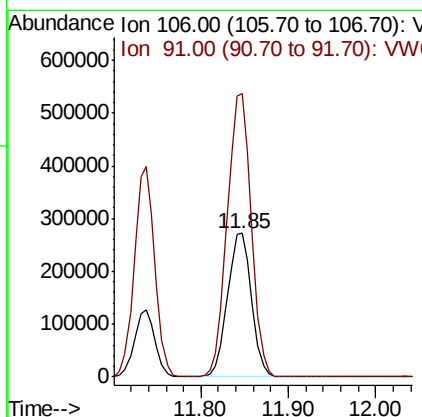
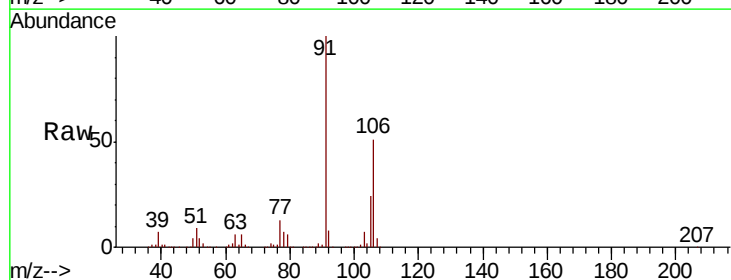
Manual Integrations
APPROVED

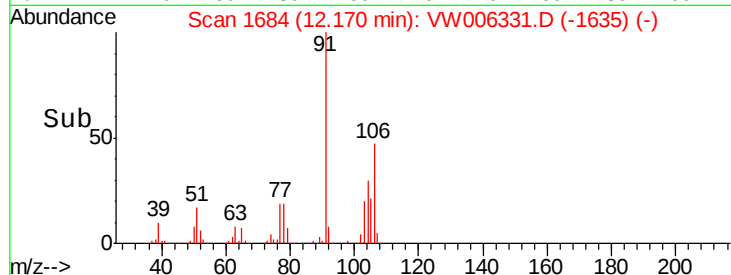
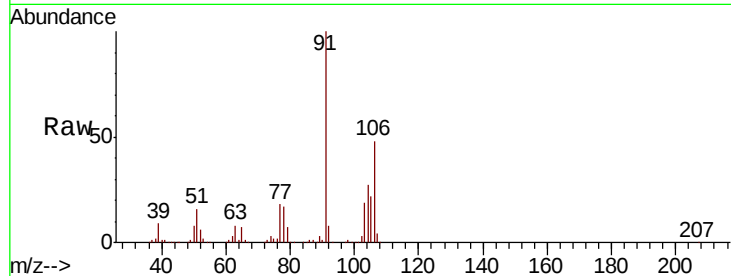
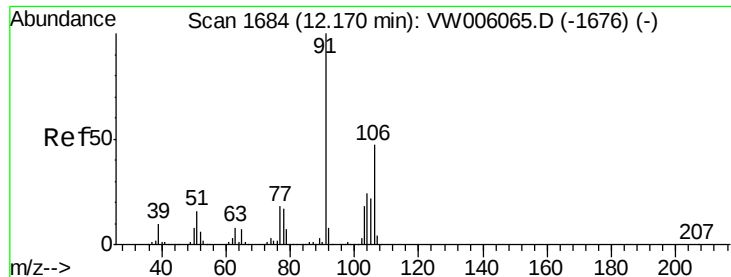
apatel
10/25/2018 12:47:38 PM



#68
m/p-Xylenes
Concen: 110.699 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion: 106 Resp: 516899
Ion Ratio Lower Upper
106 100
91 197.9 159.1 238.7





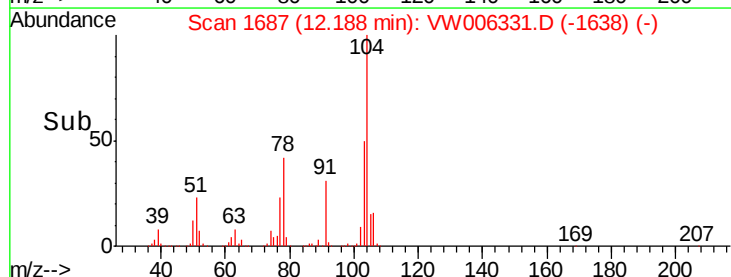
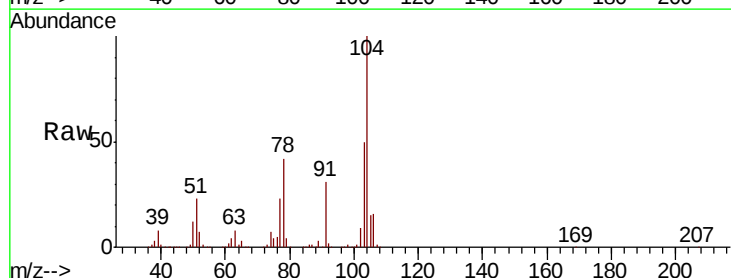
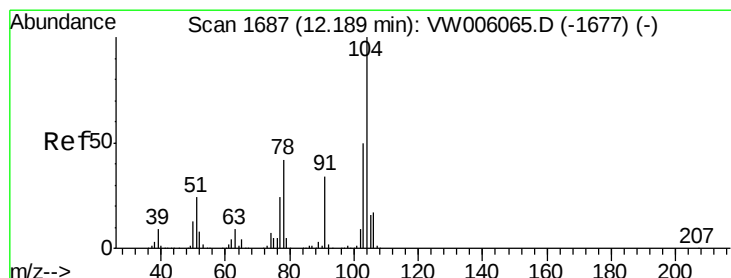
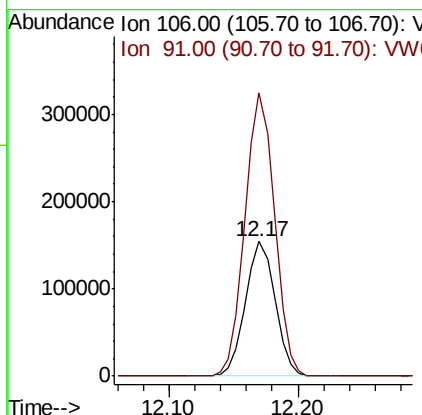
#69
o-Xylene
Concen: 55.087 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tot Ion: 106 Resp: 245141
Ion Ratio Lower Upper
106 100
91 210.1 105.4 316.1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

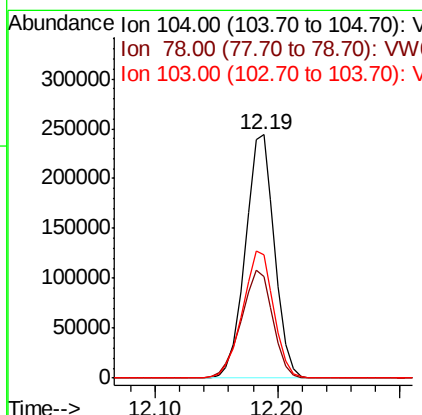
Manual Integrations
APPROVED

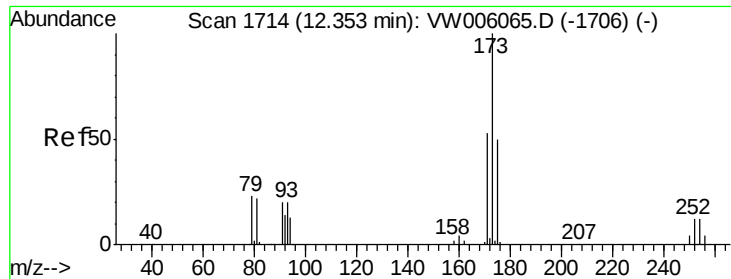
apatel
10/25/2018 12:47:38 PM



#70
Styrene
Concen: 55.664 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion: 104 Resp: 402809
Ion Ratio Lower Upper
104 100
78 48.1 39.1 58.7
103 55.7 44.3 66.5





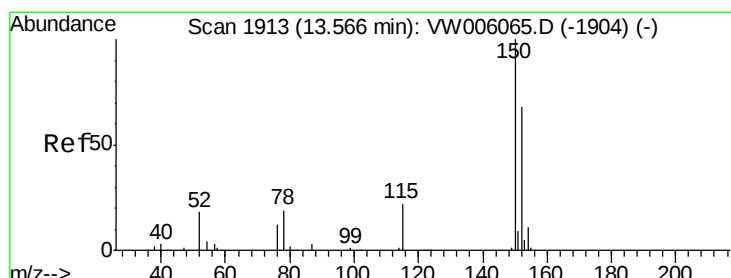
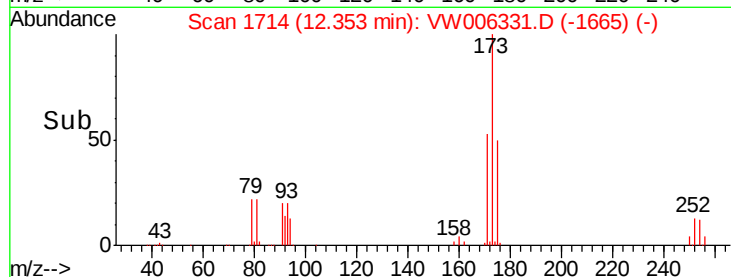
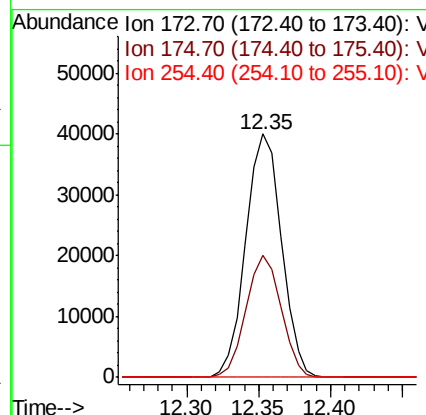
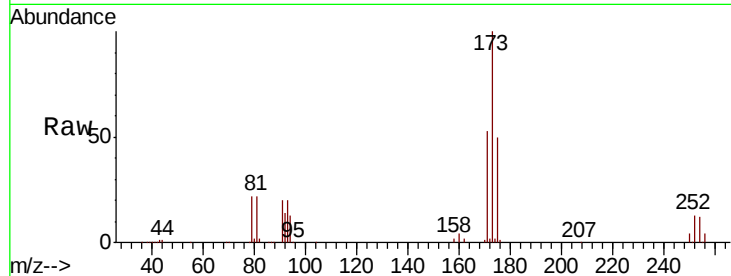
#71
Bromoform
Concen: 51.074 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.2	72.6
254	0.1	0.1	0.1

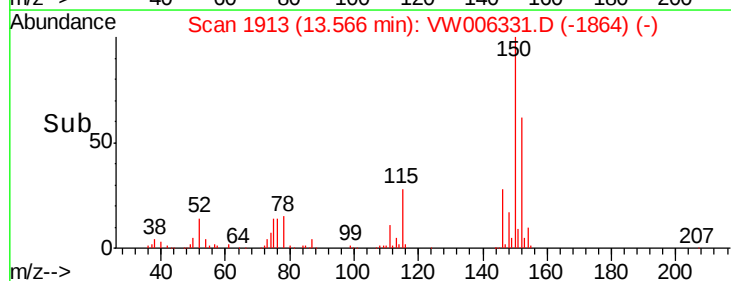
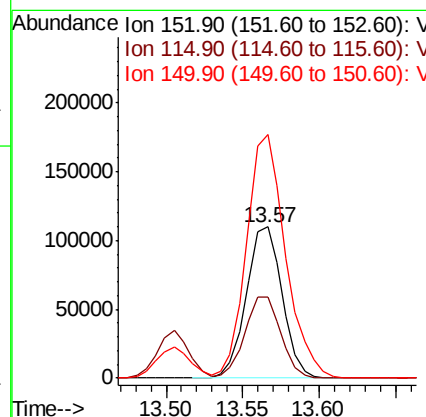
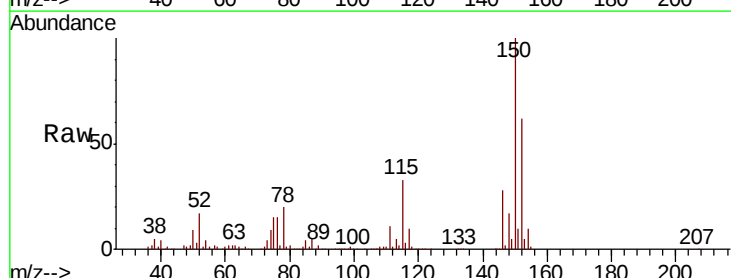
Manual Integrations
APPROVED

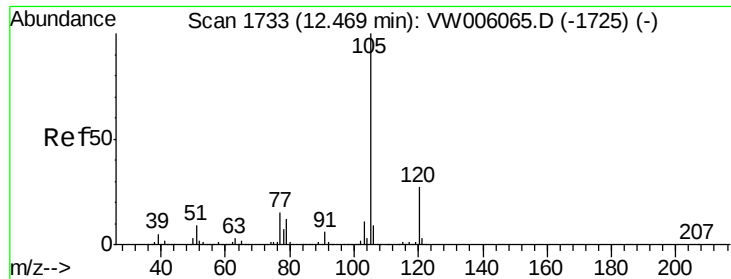
apatel
10/25/2018 12:47:38 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.8	83.3
150	175.1	0.0	349.2





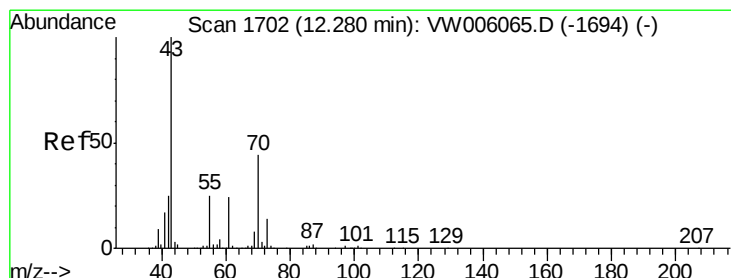
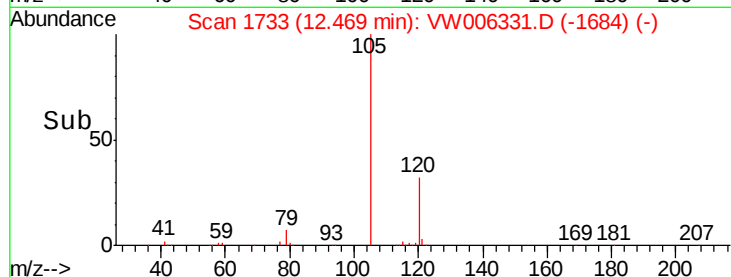
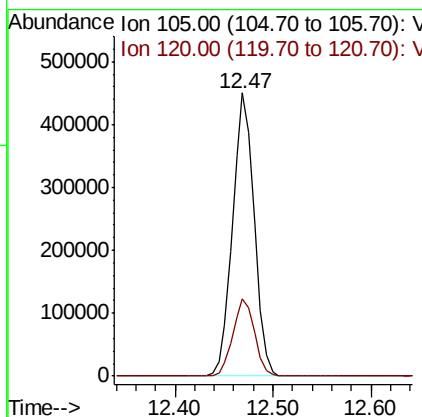
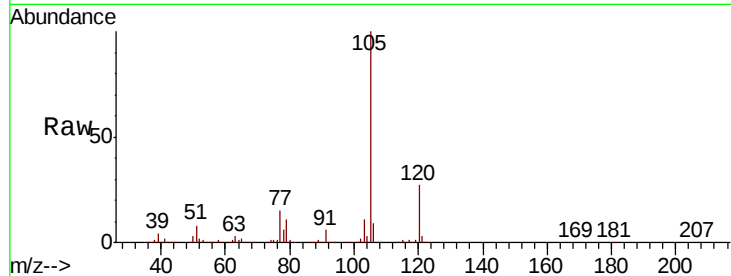
#73
Isopropylbenzene
Concen: 54.541 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.6	40.7

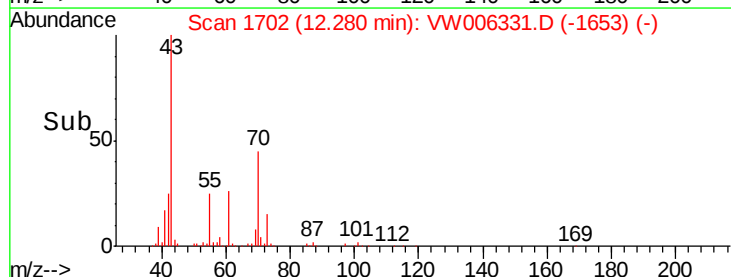
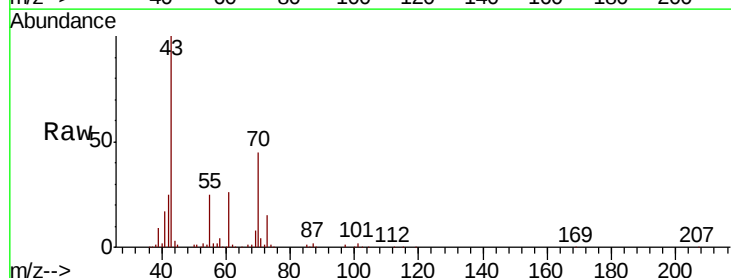
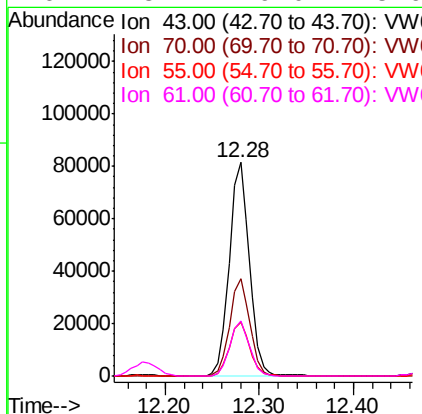
Manual Integrations
APPROVED

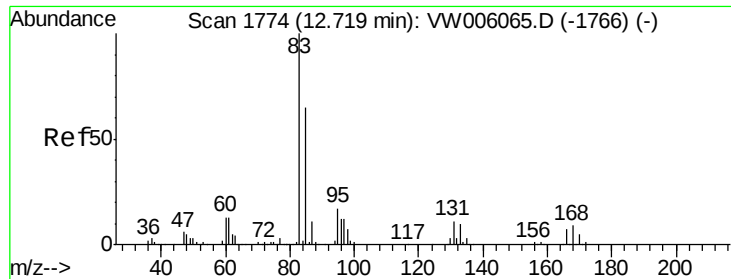
apatel
10/25/2018 12:47:38 PM



#74
N-ethyl acetate
Concen: 49.216 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.4	34.2	51.4
55	25.7	19.2	28.8
61	25.1	19.0	28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 55.018 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

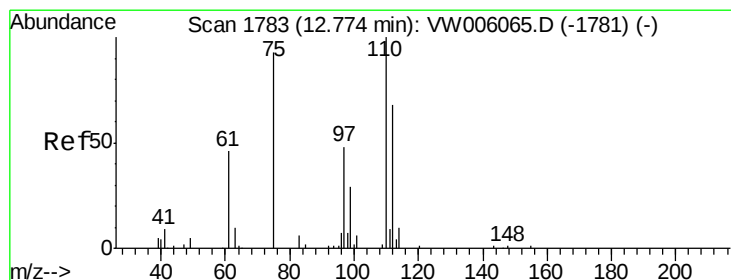
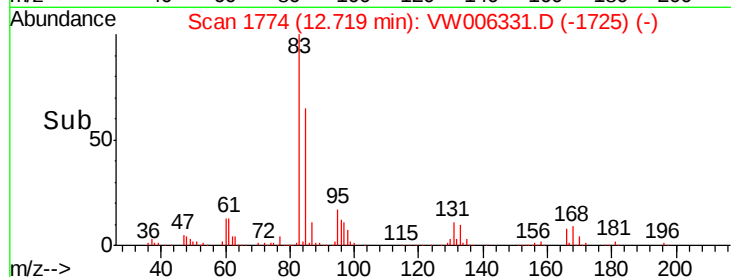
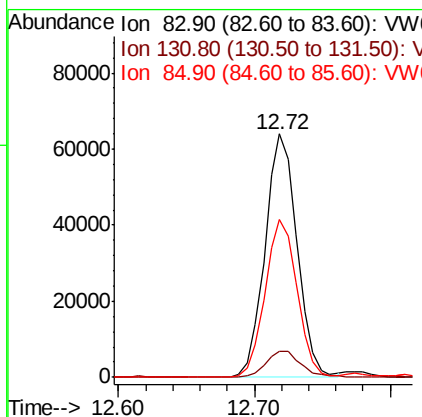
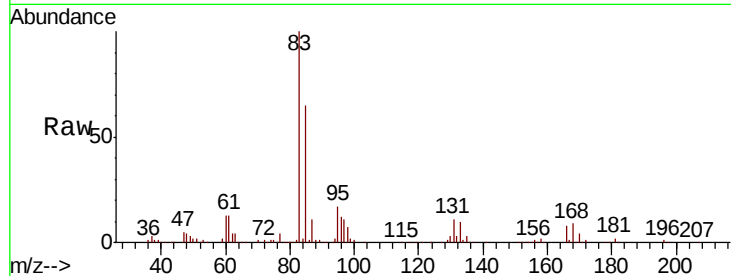
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	105612
Ion Ratio	Lower	Upper	
83	100		
131	12.0	5.9	17.7
85	64.7	31.9	95.9

Manual Integrations
APPROVED

apatel
10/25/2018 12:47:38 PM



#76

1,2,3-Trichloropropane

Concen: 48.632 ug/l m

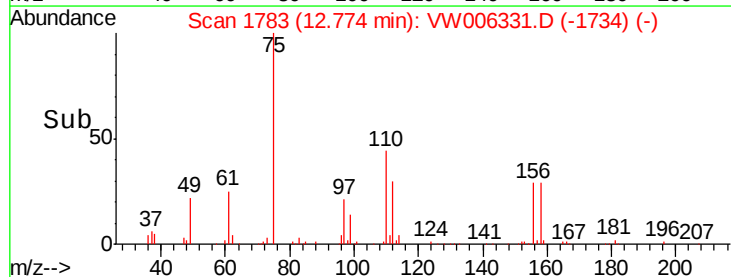
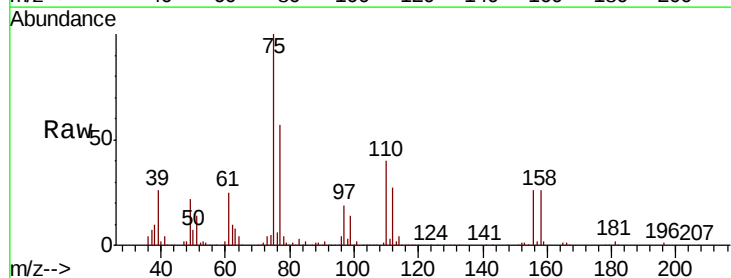
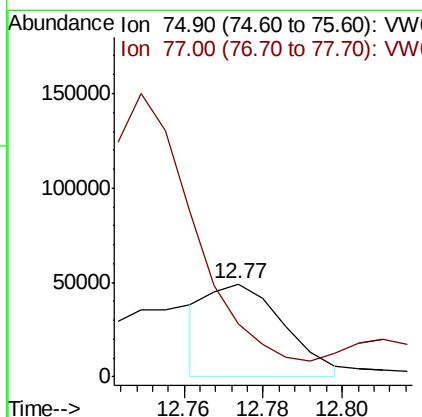
RT: 12.77 min Scan# 1783

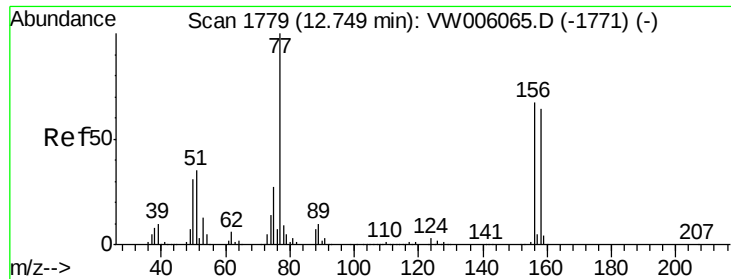
Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Tgt Ion:	75	Resp:	66359
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





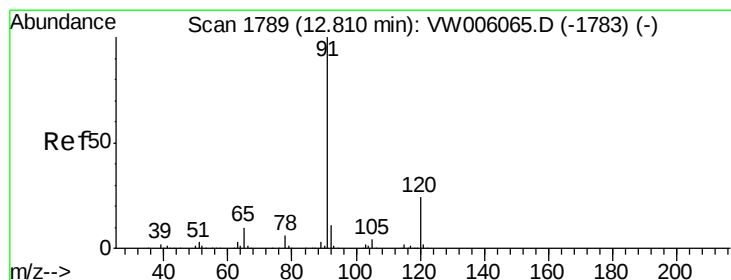
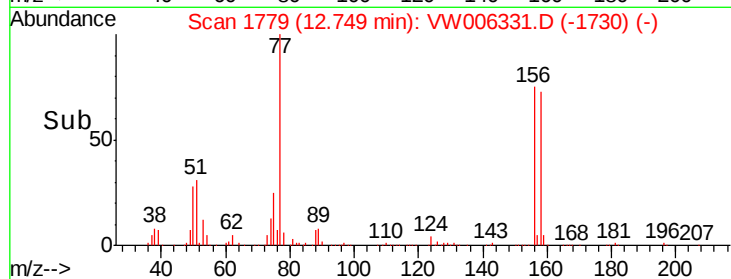
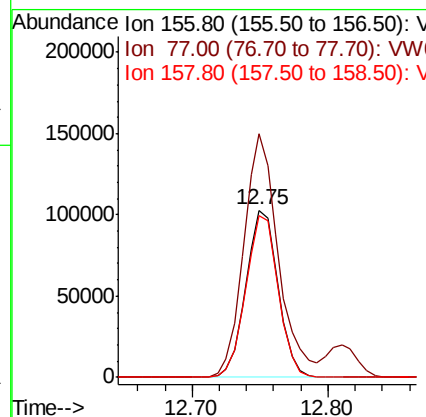
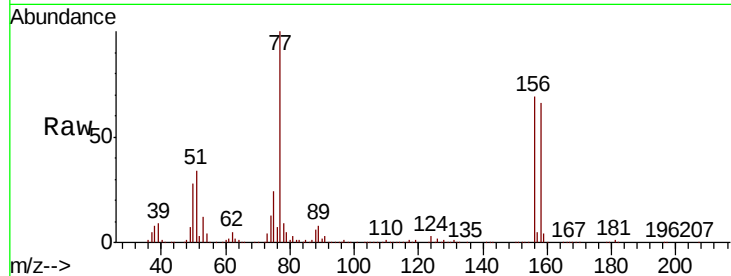
#77
Bromobenzene
Concen: 55.072 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	156.2	79.1	237.4
158	97.3	48.5	145.6

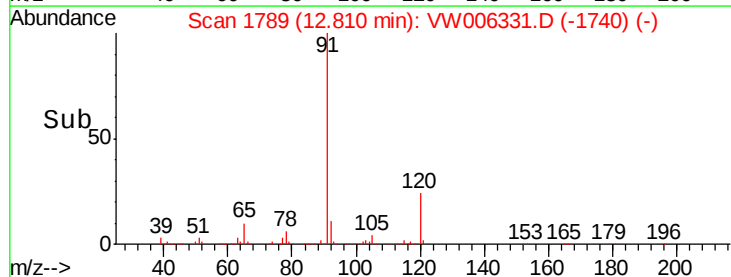
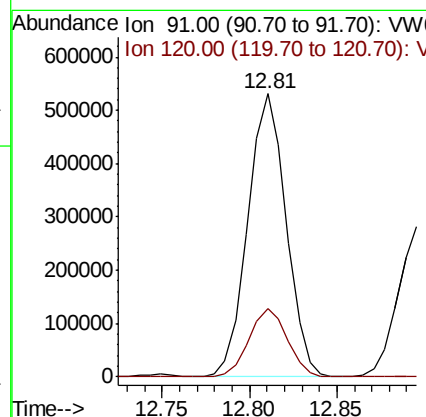
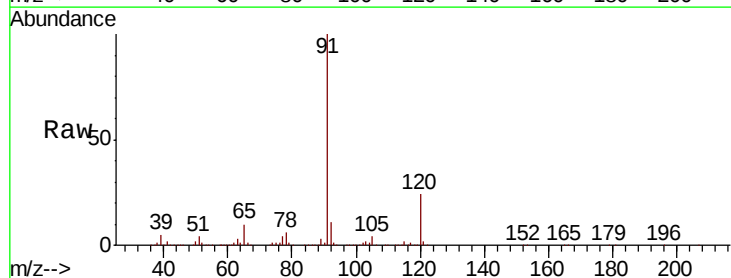
Manual Integrations
APPROVED

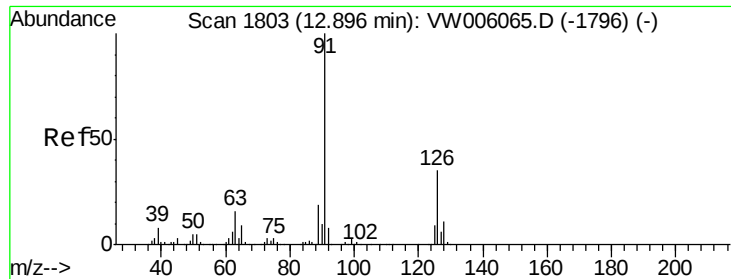
apatel
10/25/2018 12:47:38 PM



#78
n-propylbenzene
Concen: 54.996 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	12.2	36.6





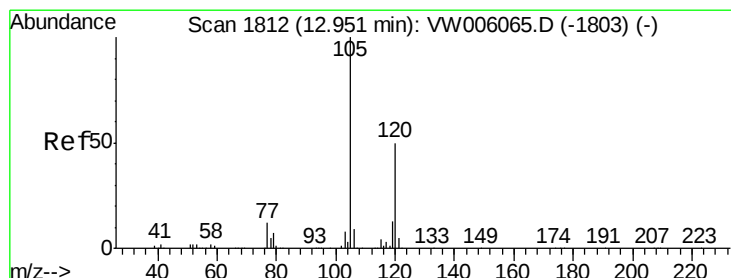
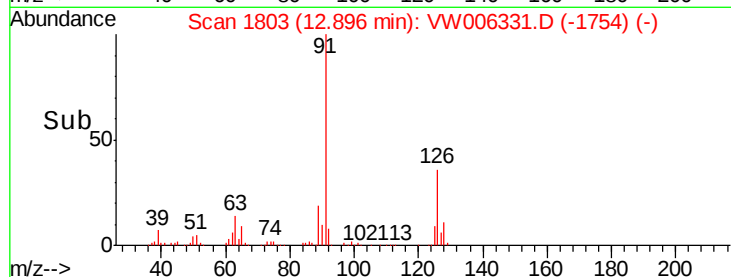
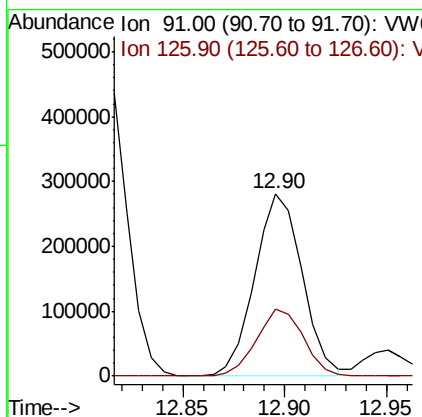
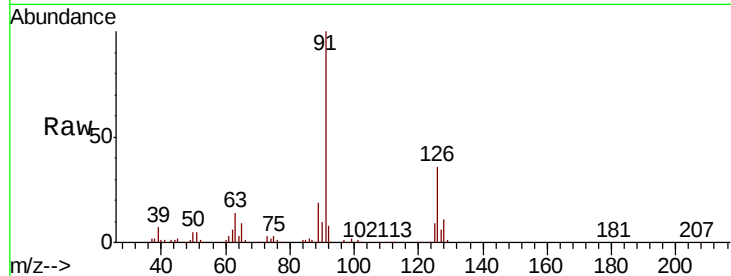
#79
2-Chlorotoluene
Concen: 55.027 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 453979
Ion Ratio Lower Upper
91 100
126 36.5 17.9 53.8

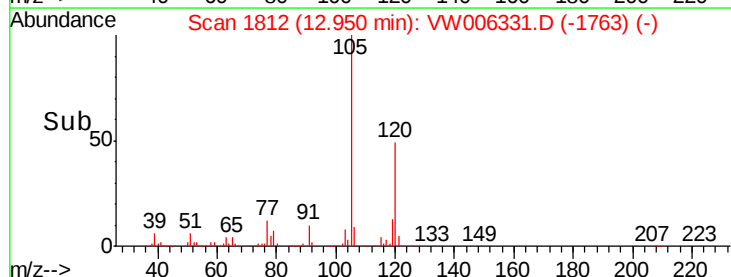
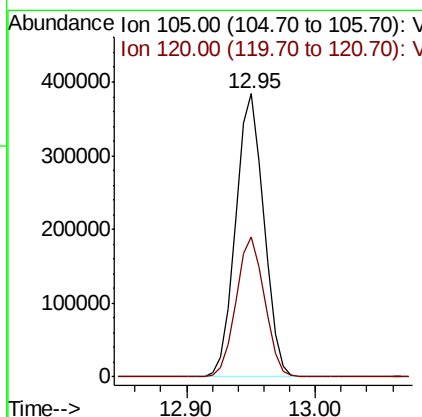
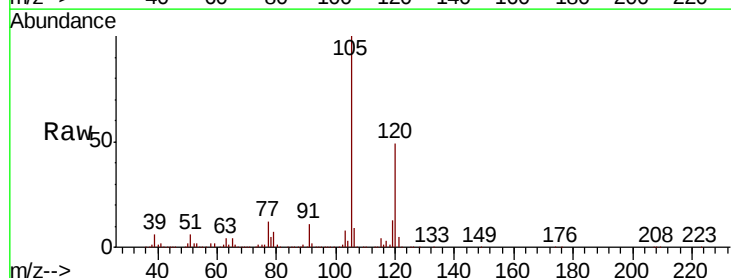
Manual Integrations
APPROVED

apatel
10/25/2018 12:47:38 PM



#80
1,3,5-Trimethylbenzene
Concen: 54.854 ug/l
RT: 12.95 min Scan# 1812
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion: 105 Resp: 583634
Ion Ratio Lower Upper
105 100
120 49.7 24.9 74.6





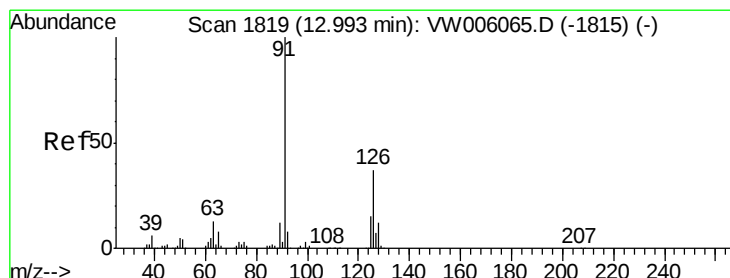
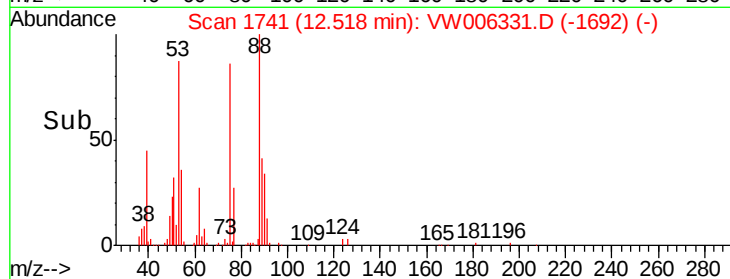
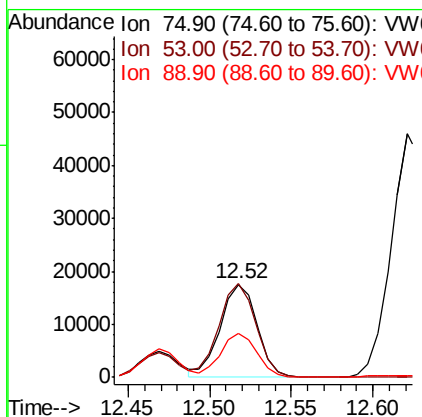
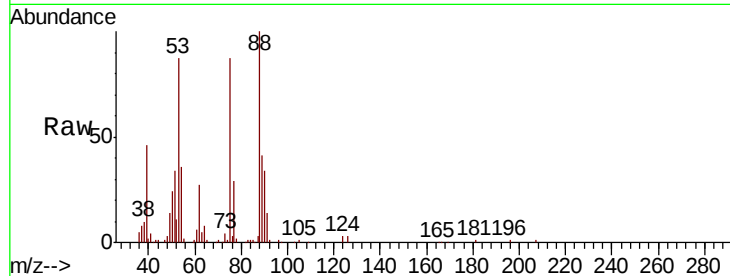
#81
trans-1,4-Dichloro-2-butene
Concen: 47.968 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.1	79.8	119.6
89	46.7	37.5	56.3

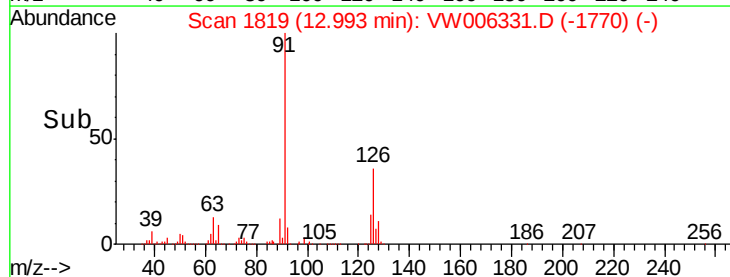
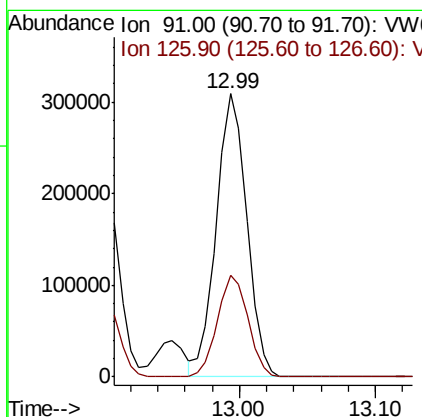
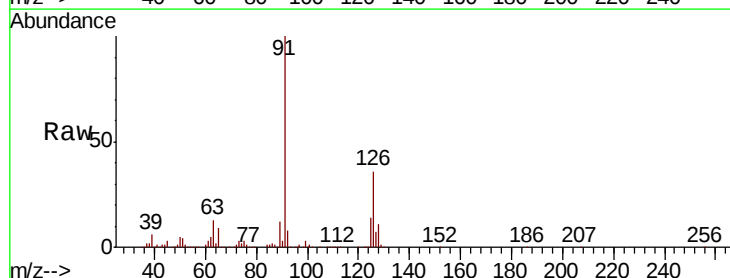
Manual Integrations
APPROVED

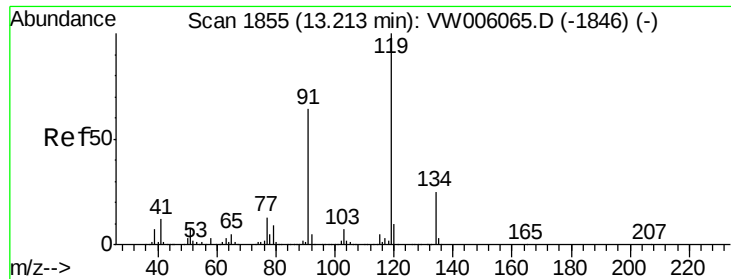
apatel
10/25/2018 12:47:38 PM



#82
4-Chlorotoluene
Concen: 55.767 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	18.1	54.3





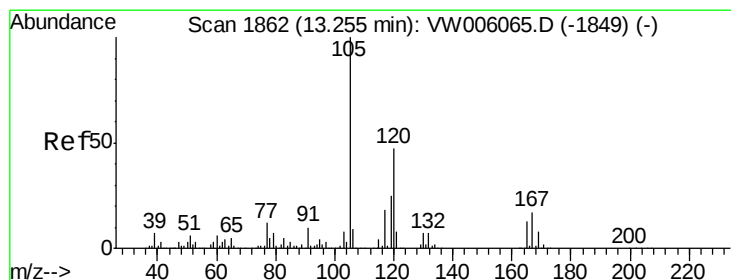
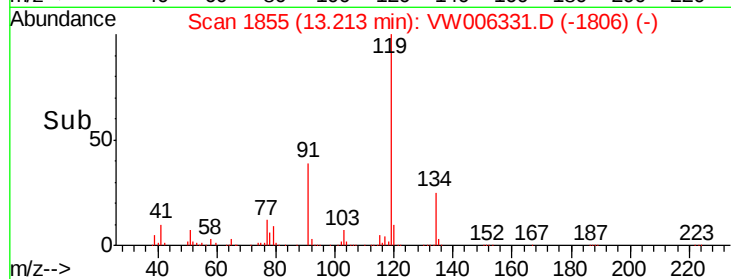
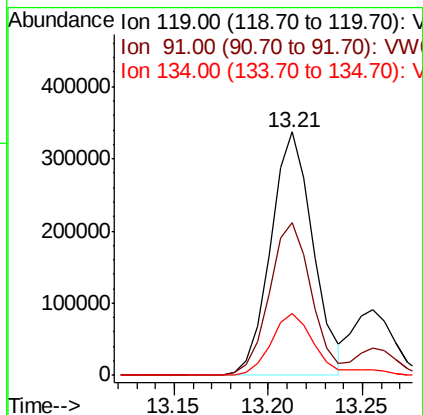
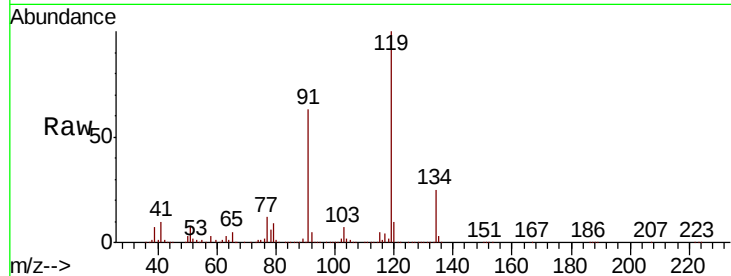
#83
 tert-Butylbenzene
 Concen: 55.106 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.4	32.3	96.9
134	27.2	13.6	40.8

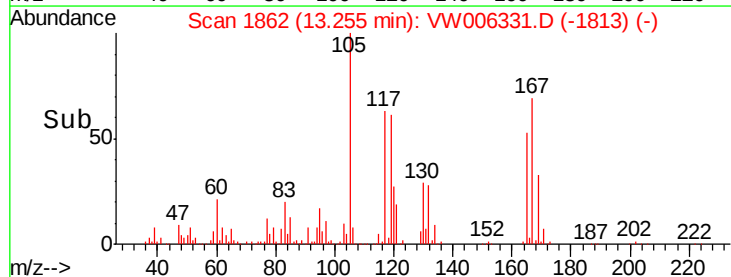
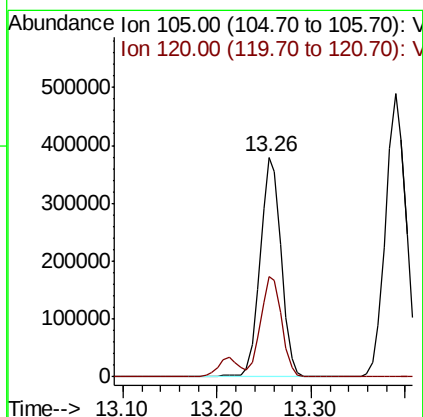
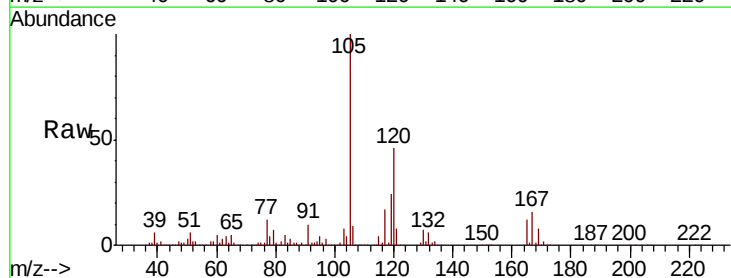
Manual Integrations
 APPROVED

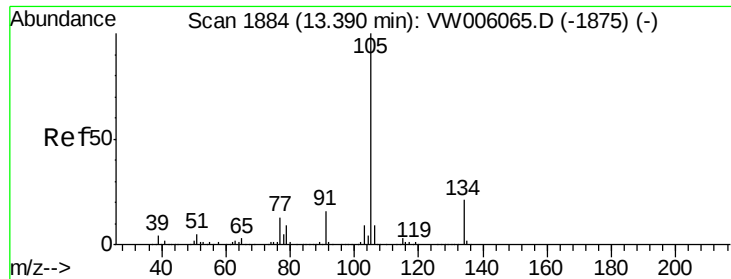
apatel
 10/25/2018 12:47:38 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 55.476 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.1	69.3





#85

sec-Butylbenzene

Concen: 55.075 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 740669

Ion Ratio Lower Upper

105 100

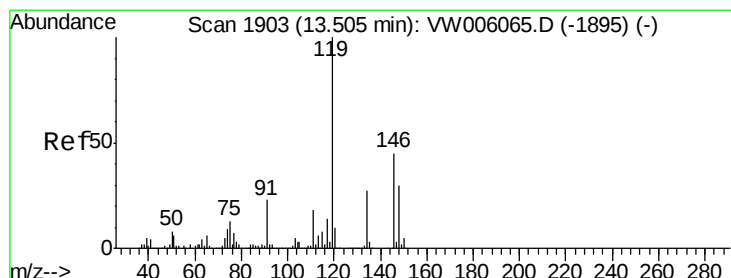
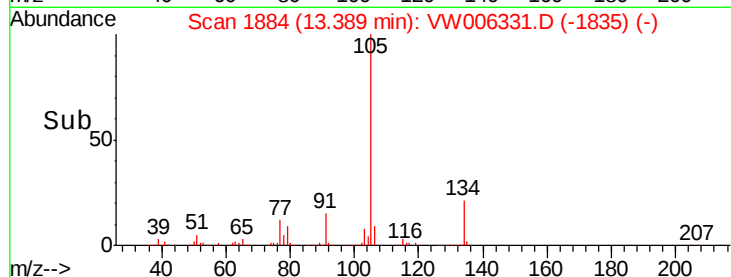
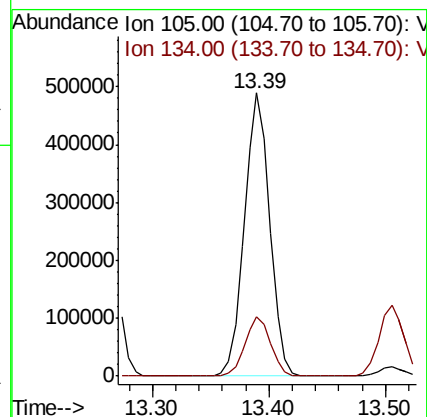
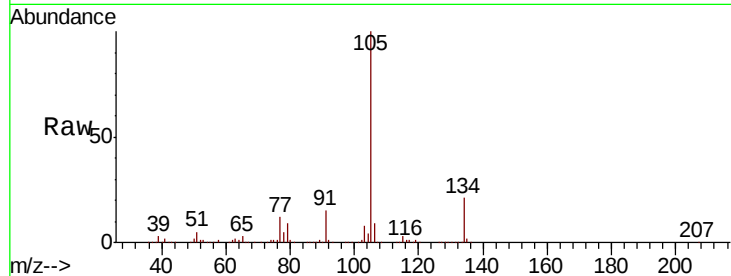
134 21.1 10.5 31.6

Manual Integrations

APPROVED

apatel

10/25/2018 12:47:38 PM



#86

p-Isopropyltoluene

Concen: 55.375 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

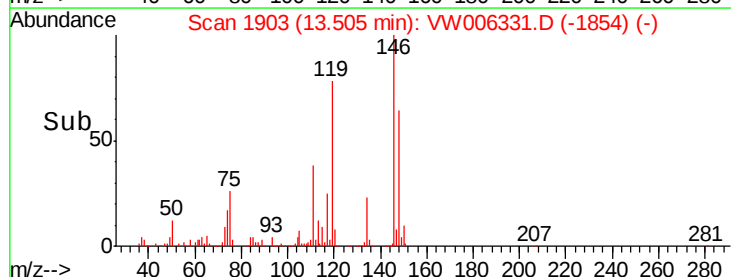
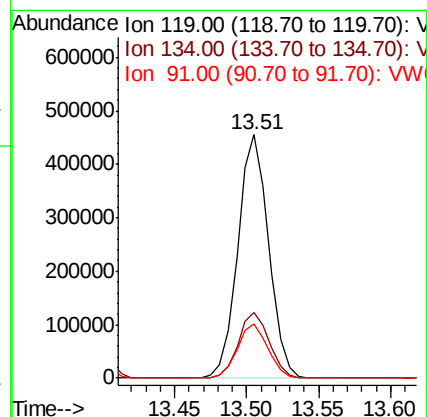
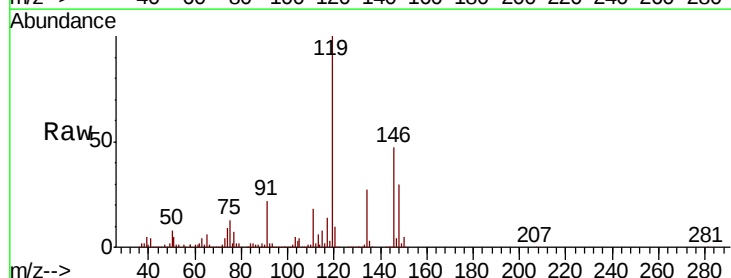
Tgt Ion:119 Resp: 673594

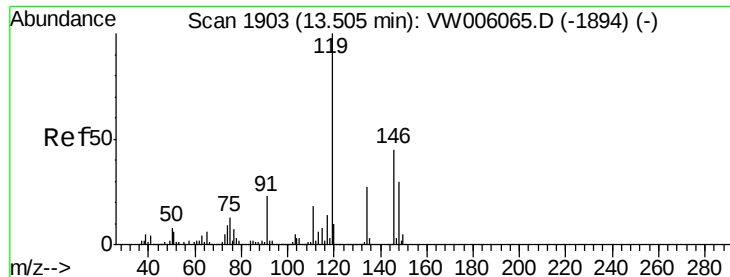
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

91 22.2 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 55.341 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

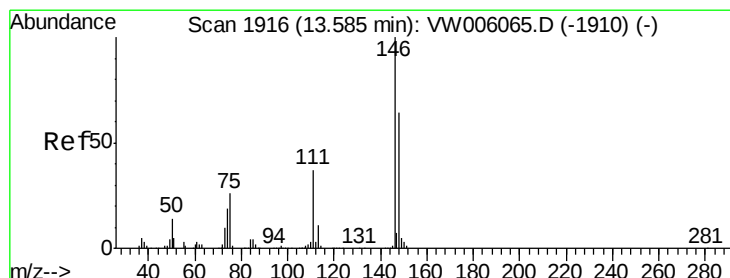
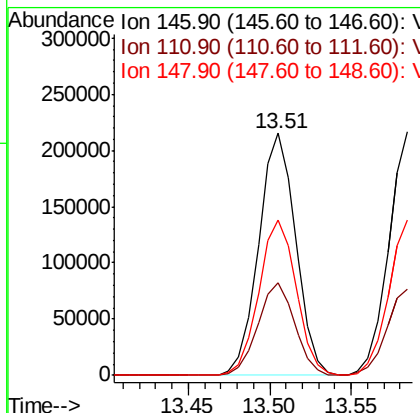
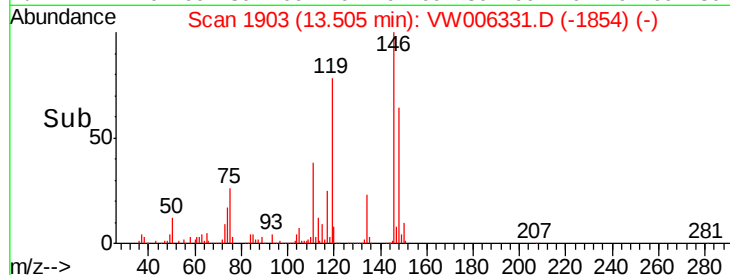
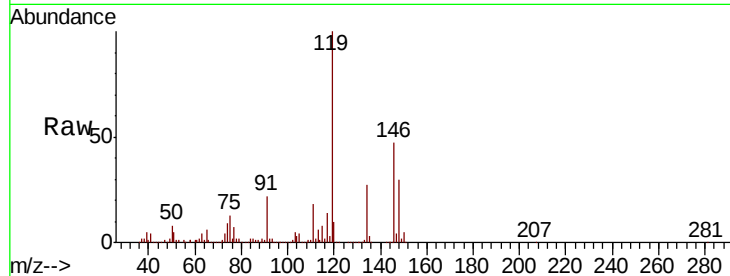
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	340471
Ion Ratio	Lower	Upper	
146	100		
111	38.0	19.1	57.5
148	64.7	32.0	96.2

Manual Integrations
APPROVED

apatel
10/25/2018 12:47:38 PM



#88

1,4-Dichlorobenzene

Concen: 55.255 ug/l

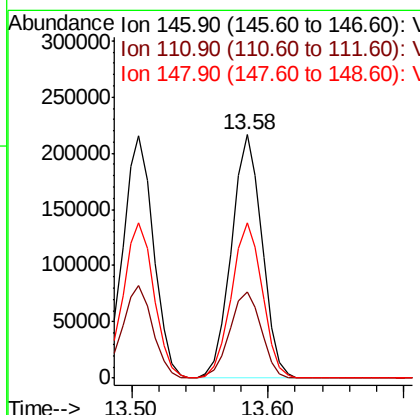
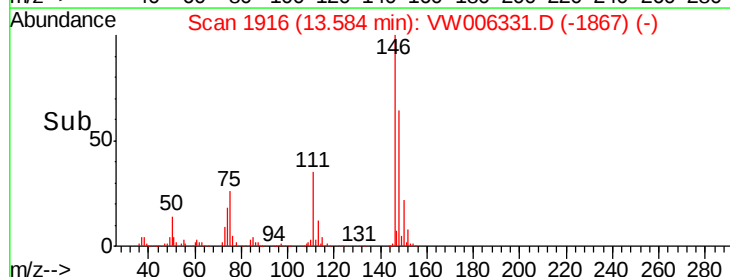
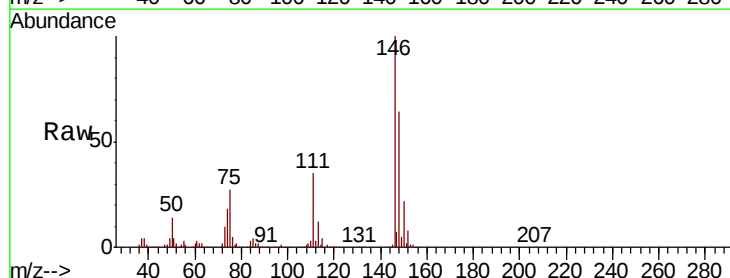
RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Tgt Ion:	146	Resp:	338468
Ion Ratio	Lower	Upper	
146	100		
111	36.5	18.6	56.0
148	64.2	32.1	96.5





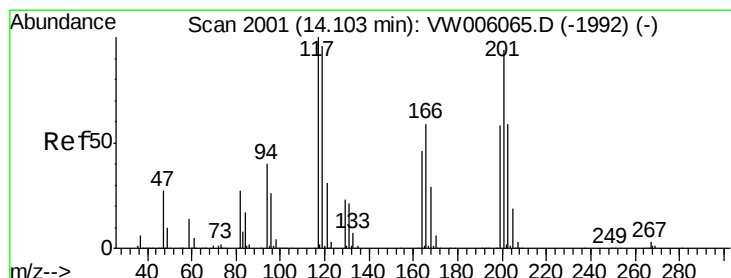
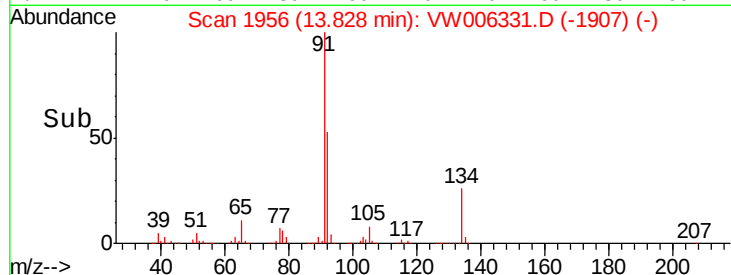
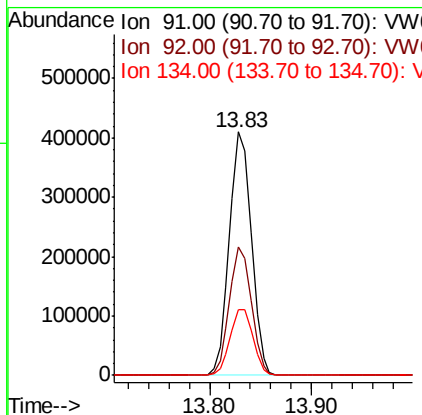
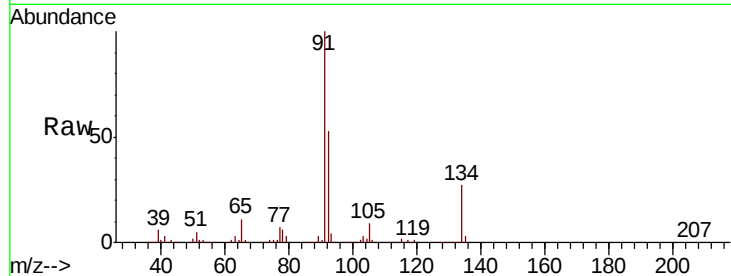
#89
n-Butylbenzene
Concen: 55.173 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.6	79.7
134	28.0	14.0	41.9

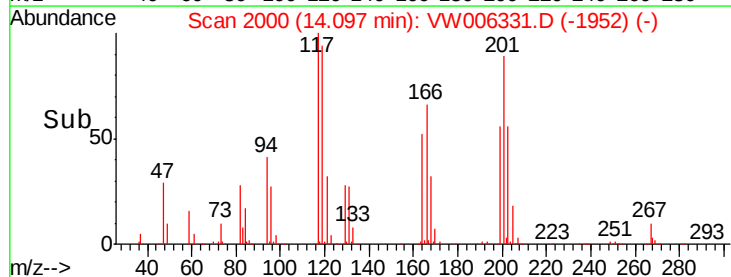
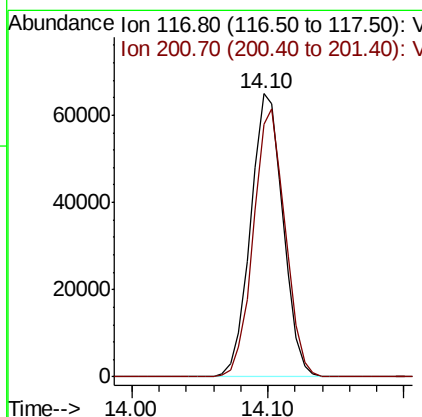
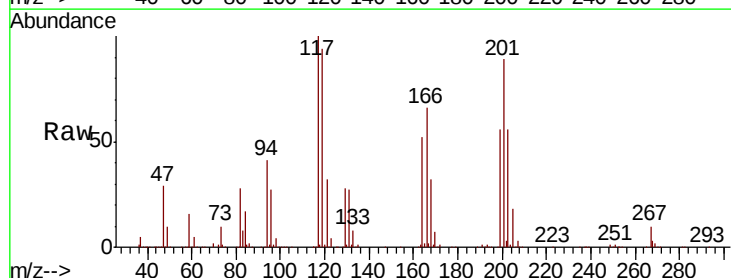
Manual Integrations
APPROVED

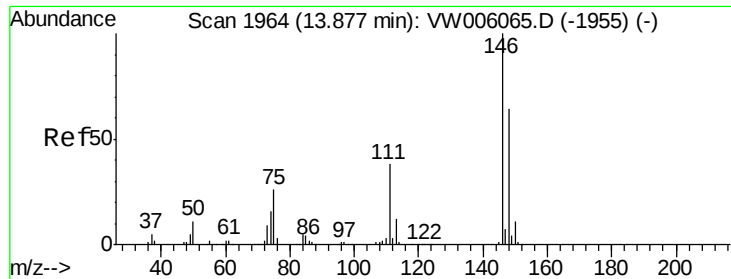
apatel
10/25/2018 12:47:38 PM



#90
Hexachloroethane
Concen: 52.648 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.01 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.8	45.3	135.9





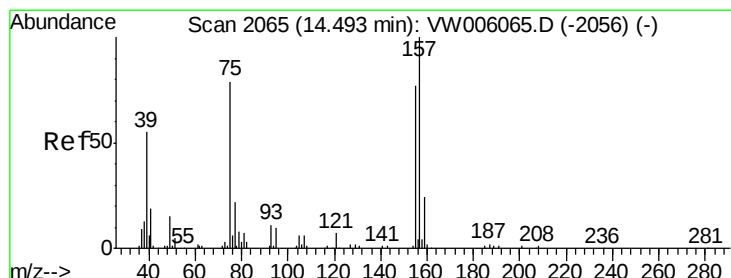
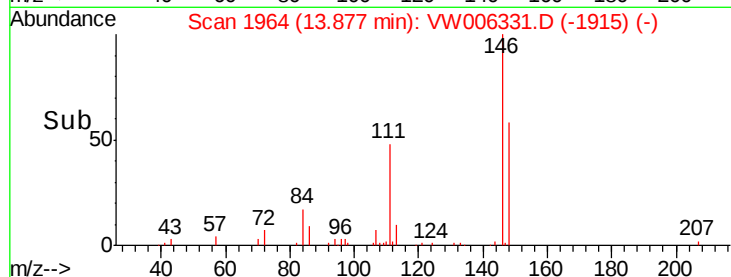
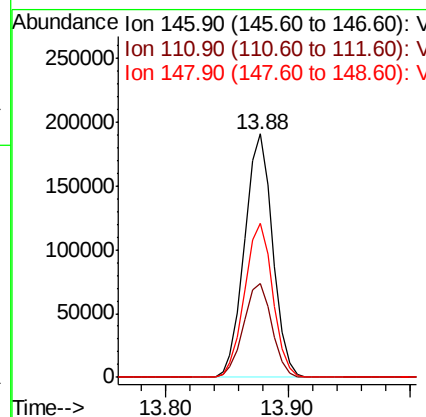
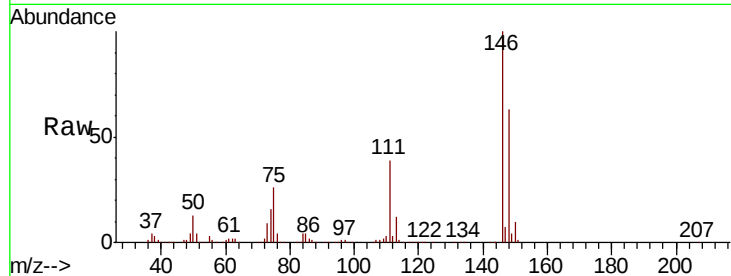
#91
 1,2-Dichlorobenzene
 Concen: 55.307 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.6	58.7
148	63.6	32.2	96.6

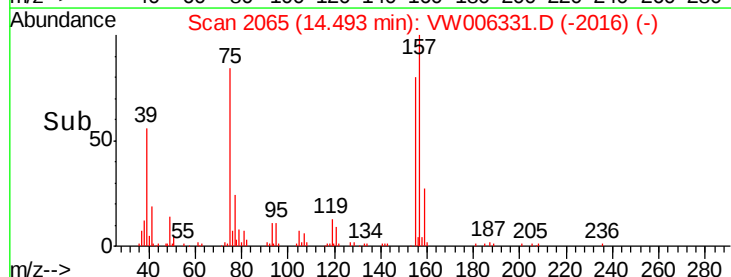
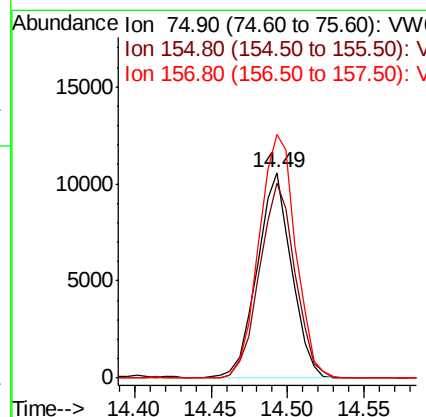
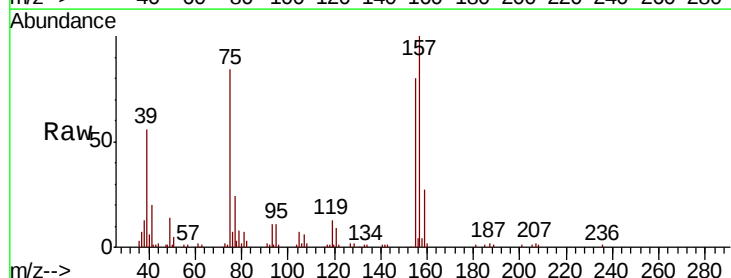
Manual Integrations
 APPROVED

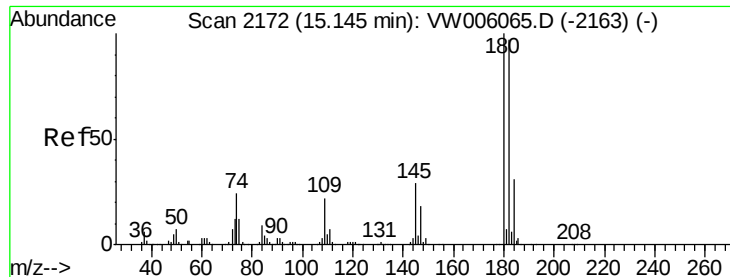
apatel
 10/25/2018 12:47:38 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.230 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.7	46.5	139.5
157	126.3	59.8	179.4





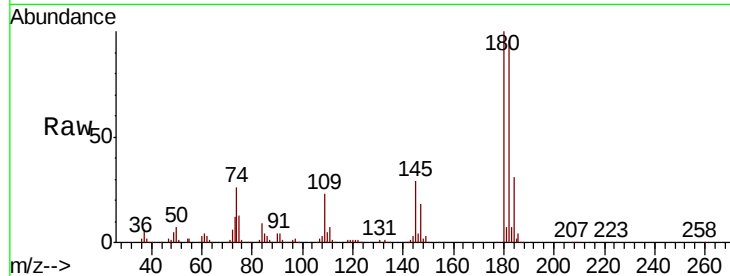
#93
 1,2,4-Trichlorobenzene
 Concen: 57.425 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	242476		
182	95.8	47.9	143.6	
145	28.2	14.2	42.8	

Manual Integrations
 APPROVED

apatel
 10/25/2018 12:47:38 PM

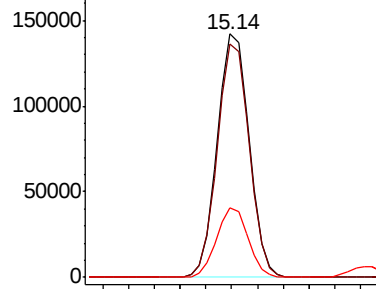


Abundance

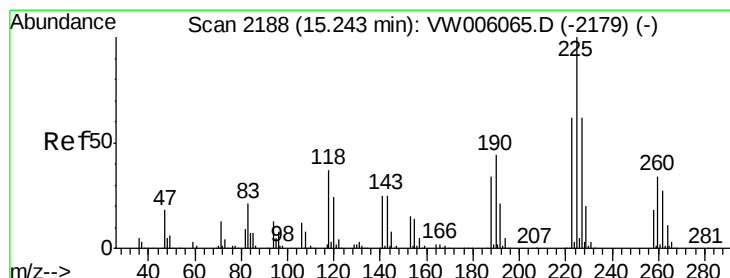
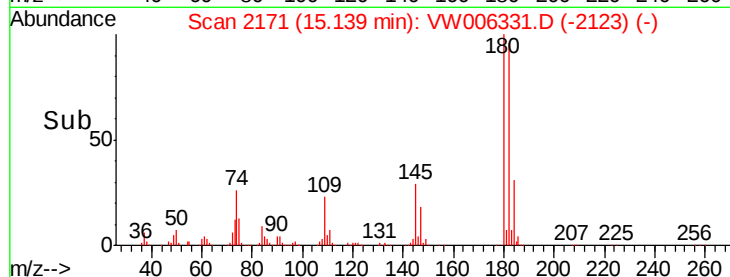
Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

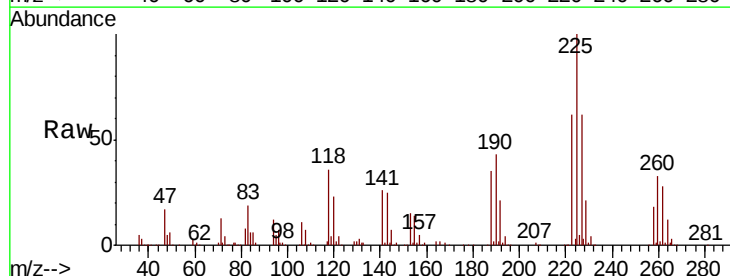


Time-->



#94
 Hexachlorobutadiene
 Concen: 53.834 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	142797		
223	63.0	31.1	93.5	
227	63.6	32.4	97.0	

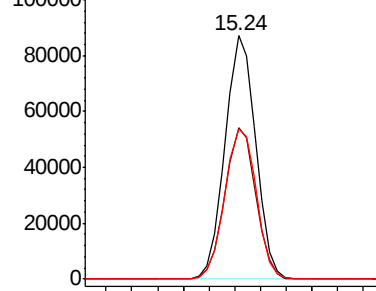


Abundance

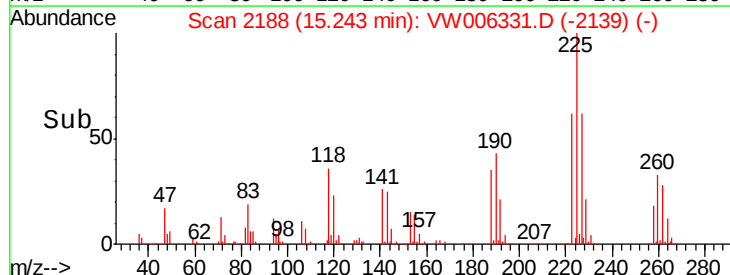
Ion 224.70 (224.40 to 225.40): V

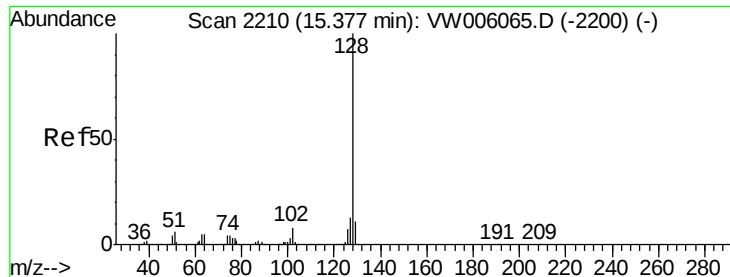
Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time-->





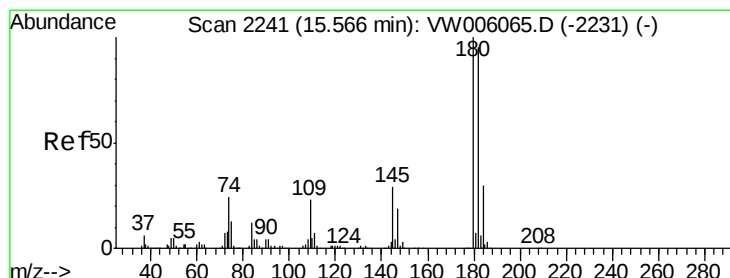
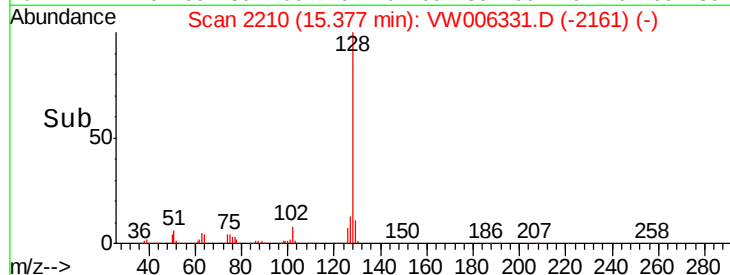
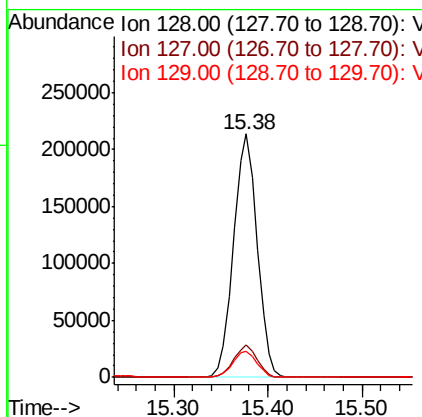
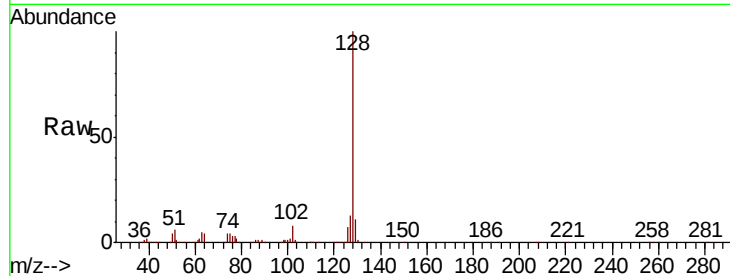
#95
Naphthalene
Concen: 52.957 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

apatel
10/25/2018 12:47:38 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.499 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.8	143.3
145	30.1	15.0	45.1

