

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101518\
 Data File : VW006067.D
 Acq On : 15 Oct 2018 19:12
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 10/16/2018 10:34:06 AM

Quant Time: Oct 16 05:16:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 04:19:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	293799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	425795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	391708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	222915	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	238176	85.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	170.74%	
35) Dibromofluoromethane	7.88	113	241838	90.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	180.14%	
50) Toluene-d8	10.33	98	926286	89.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	179.92%	
62) 4-Bromofluorobenzene	12.62	95	352874	90.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	180.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	156776	108.050	ug/l	95
3) Chloromethane	2.22	50	188319	108.961	ug/l	98
4) Vinyl Chloride	2.37	62	271747	101.372	ug/l	97
5) Bromomethane	2.79	94	244498	113.773	ug/l	98
6) Chloroethane	2.93	64	197870	113.644	ug/l	99
7) Trichlorofluoromethane	3.26	101	255120	116.743	ug/l	100
8) Diethyl Ether	3.68	74	124741	93.772	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	254570	95.205	ug/l	99
10) Methyl Iodide	4.27	142	434166	98.912	ug/l	99
11) Tert butyl alcohol	5.23	59	80383	398.535	ug/l	99
12) 1,1-Dichloroethene	4.04	96	239888	93.909	ug/l	96
13) Acrolein	3.90	56	73677	402.012	ug/l	97
14) Allyl chloride	4.67	41	347235	81.243	ug/l	99
15) Acrylonitrile	5.38	53	238532	429.101	ug/l	100
16) Acetone	4.15	43	215220	394.063	ug/l	99
17) Carbon Disulfide	4.38	76	736179	95.355	ug/l	100
18) Methyl Acetate	4.68	43	121677	86.963	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	362507	91.322	ug/l	97
20) Methylene Chloride	4.92	84	252805	89.197	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	267729	95.878	ug/l	97
22) Diisopropyl ether	6.32	45	703088	87.485	ug/l	98
23) Vinyl Acetate	6.26	43	2105249	428.920	ug/l	99
24) 1,1-Dichloroethane	6.22	63	446824	90.139	ug/l	99
25) 2-Butanone	7.18	43	316845	405.506	ug/l	99
26) 2,2-Dichloropropane	7.17	77	289398	83.467	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	299513	95.029	ug/l	99
28) Bromochloromethane	7.52	49	185491	98.852	ug/l	98
29) Tetrahydrofuran	7.54	42	205983	416.722	ug/l	99
30) Chloroform	7.68	83	488964	95.400	ug/l	100
31) Cyclohexane	7.96	56	404668	82.733	ug/l	97
32) 1,1,1-Trichloroethane	7.88	97	428694	93.765	ug/l	100
36) 1,1-Dichloropropene	8.09	75	378863	94.066	ug/l	99
37) Ethyl Acetate	7.26	43	145835	87.107	ug/l	99
38) Carbon Tetrachloride	8.07	117	423361	97.518	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101518\
 Data File : VW006067.D
 Acq On : 15 Oct 2018 19:12
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 10/16/2018 10:34:06 AM

Quant Time: Oct 16 05:16:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 04:19:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	504006	95.010	ug/l	99
40) Benzene	8.33	78	1054110	95.584	ug/l	100
41) Methacrylonitrile	7.49	41	93027	88.092	ug/l	98
42) 1,2-Dichloroethane	8.40	62	315217	94.643	ug/l	99
43) Isopropyl Acetate	8.43	43	305385	87.586	ug/l	98
44) Trichloroethene	9.09	130	320880	99.672	ug/l	99
45) 1,2-Dichloropropane	9.37	63	253208	92.148	ug/l	99
46) Dibromomethane	9.46	93	147374	96.986	ug/l	100
47) Bromodichloromethane	9.65	83	362794	95.225	ug/l	99
48) Methyl methacrylate	9.44	41	145403	87.307	ug/l	98
49) 1,4-Dioxane	9.48	88	46043	1984.500	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	757524	444.080	ug/l	100
52) Toluene	10.39	92	711210	97.786	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	371470	94.090	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	417612	93.730	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	207387	98.261	ug/l	98
56) Ethyl methacrylate	10.65	69	263702	94.035	ug/l	98
57) 1,3-Dichloropropane	10.94	76	338406	95.644	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	469122	414.671	ug/l	100
59) 2-Hexanone	10.98	43	530414	436.013	ug/l	99
60) Dibromochloromethane	11.13	129	271411	100.049	ug/l	100
61) 1,2-Dibromoethane	11.24	107	211110	100.015	ug/l	99
64) Tetrachloroethene	10.87	164	295372	101.427	ug/l	100
65) Chlorobenzene	11.66	112	815973	98.187	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	305033	100.115	ug/l	99
67) Ethyl Benzene	11.74	91	1406124	96.129	ug/l	100
68) m/p-Xylenes	11.85	106	1125932	196.387	ug/l	99
69) o-Xylene	12.17	106	542001	98.660	ug/l	100
70) Styrene	12.19	104	898976	98.823	ug/l	100
71) Bromoform	12.35	173	179158	99.393	ug/l #	99
73) Isopropylbenzene	12.47	105	1525113	94.901	ug/l	100
74) N-amyl acetate	12.28	43	312847	84.045	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	240118	91.728	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	156832m	81.644	ug/l	
77) Bromobenzene	12.75	156	375992	98.186	ug/l	99
78) n-propylbenzene	12.81	91	1750787	92.691	ug/l	100
79) 2-Chlorotoluene	12.90	91	1001726	93.834	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	1284448	94.540	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	75752	83.731	ug/l	98
82) 4-Chlorotoluene	12.99	91	1037081	92.708	ug/l	99
83) tert-Butylbenzene	13.21	119	1149331	95.227	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1294053	94.521	ug/l	100
85) sec-Butylbenzene	13.39	105	1606579	94.754	ug/l	100
86) p-Isopropyltoluene	13.51	119	1459499	95.577	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	740745	97.489	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	729424	96.617	ug/l	100
89) n-Butylbenzene	13.83	91	1325613	92.683	ug/l	100
90) Hexachloroethane	14.10	117	260066	91.544	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	665589	98.485	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	42846	88.479	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101518\
Data File : VW006067.D
Acq On : 15 Oct 2018 19:12
Operator : VA/AP
Sample : VSTDICC100
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

apatel
10/16/2018 10:34:06 AM

Quant Time: Oct 16 05:16:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 16 04:19:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	504022	96.866	ug/l	100
94) Hexachlorobutadiene	15.24	225	315024	96.943	ug/l	100
95) Naphthalene	15.38	128	872413	97.571	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	442466	98.171	ug/l	100

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

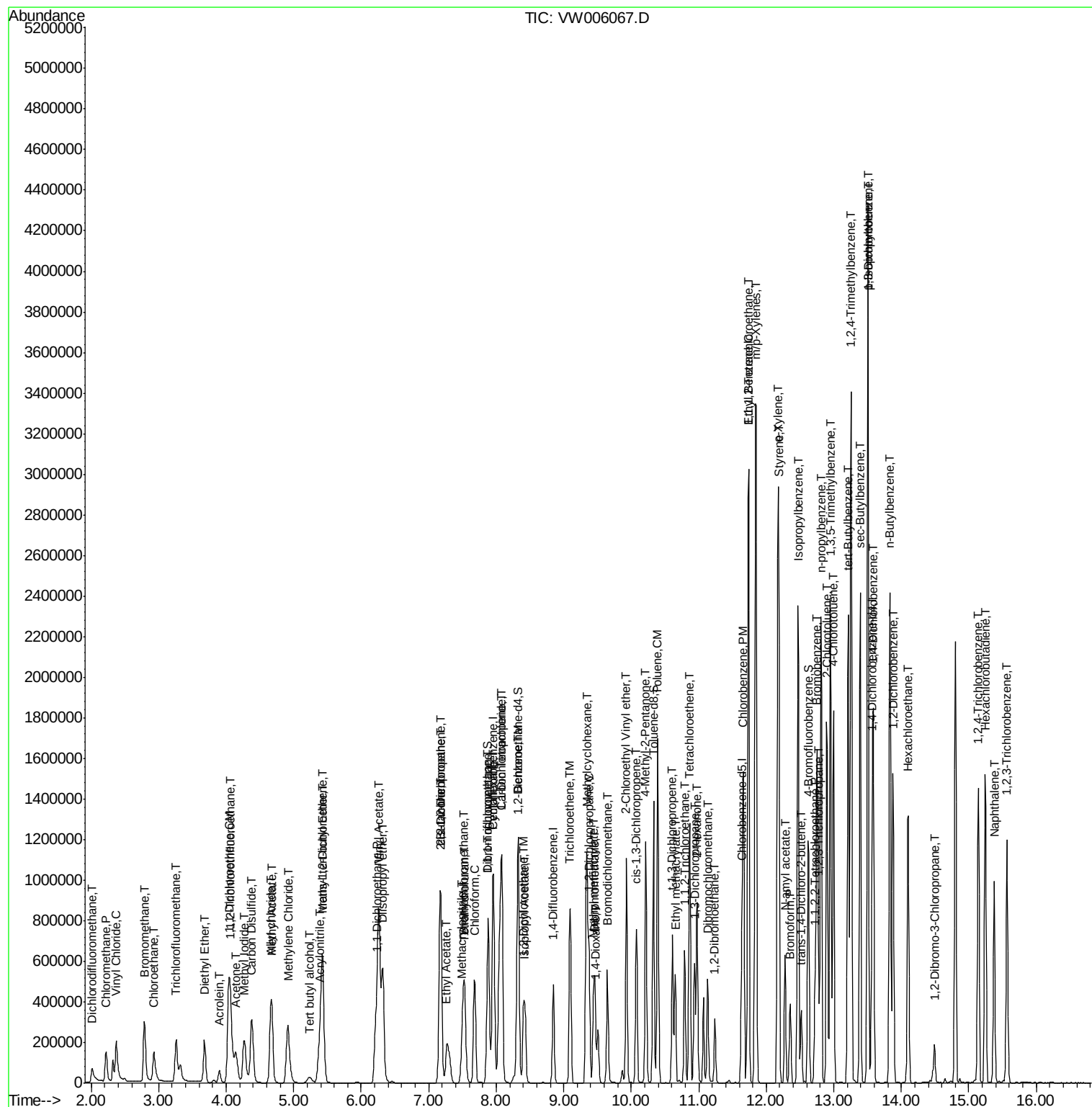
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW101518\
Data File : VW006067.D
Acq On : 15 Oct 2018 19:12
Operator : VA/AP
Sample : VSTDICC100
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

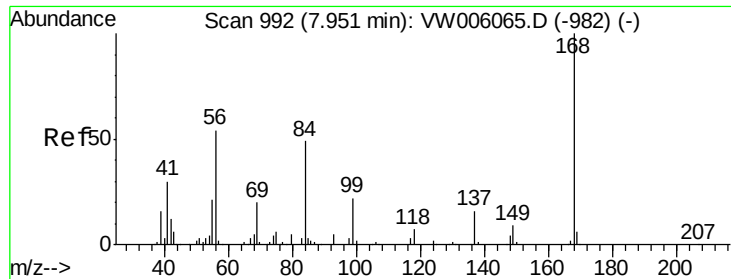
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

apatel
10/16/2018 10:34:06 AM

Quant Time: Oct 16 05:16:41 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 16 04:19:21 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 293799

Ion Ratio Lower Upper

168 100

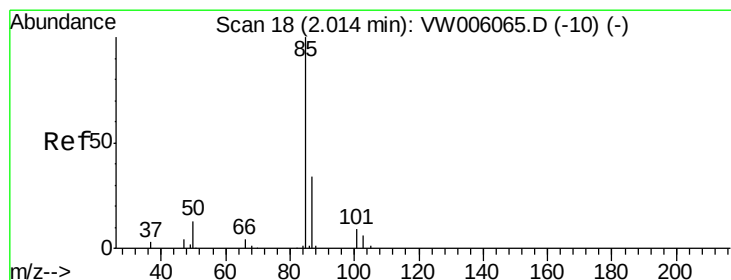
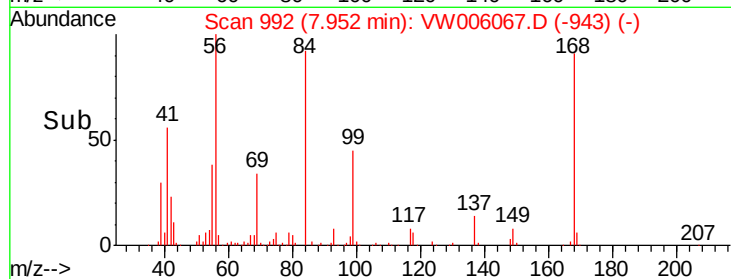
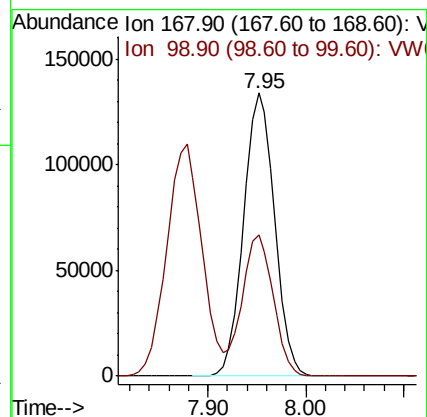
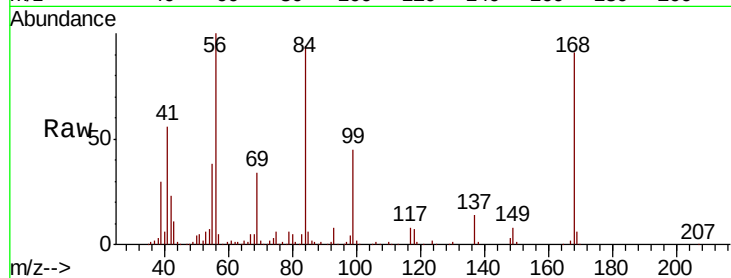
99 49.9 39.9 59.9

Manual Integrations

APPROVED

apatel

10/16/2018 10:34:06 AM



#2

Dichlorodifluoromethane

Concen: 108.050 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006067.D

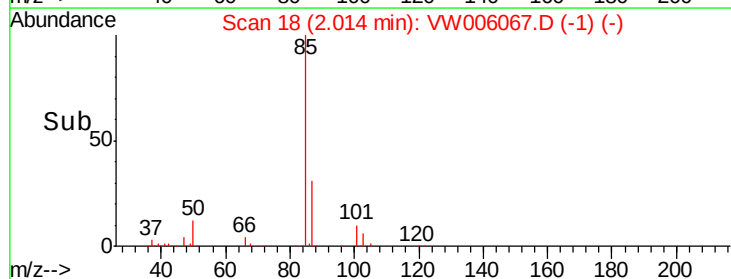
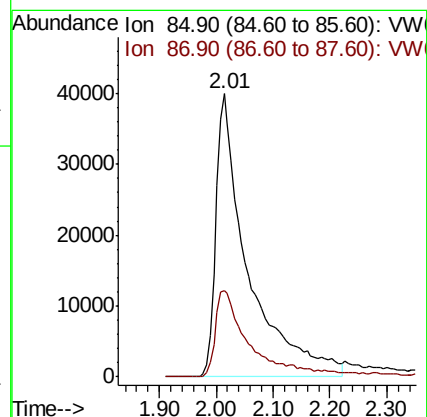
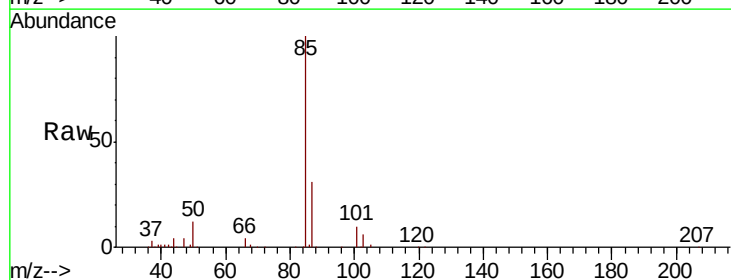
Acq: 15 Oct 2018 19:12

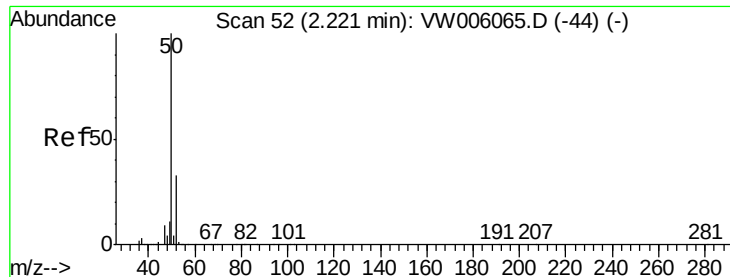
Tgt Ion: 85 Resp: 156776

Ion Ratio Lower Upper

85 100

87 30.7 16.9 50.6





#3

Chloromethane

Concen: 108.961 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 188319

Ion Ratio Lower Upper

50 100

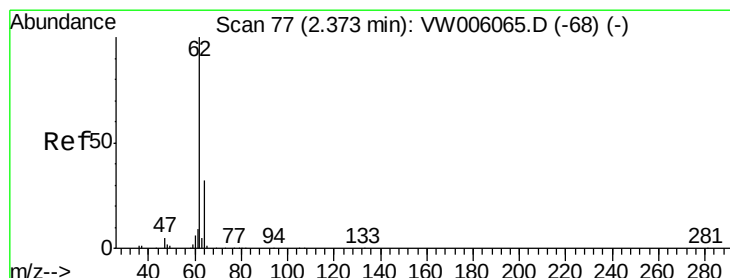
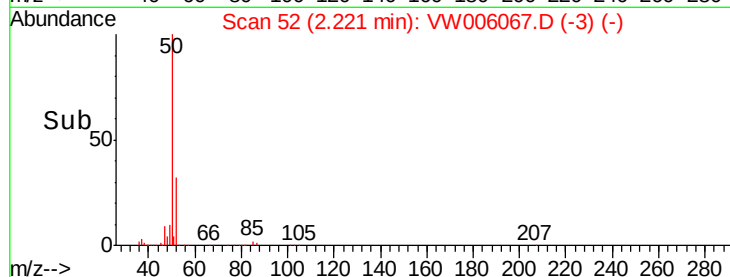
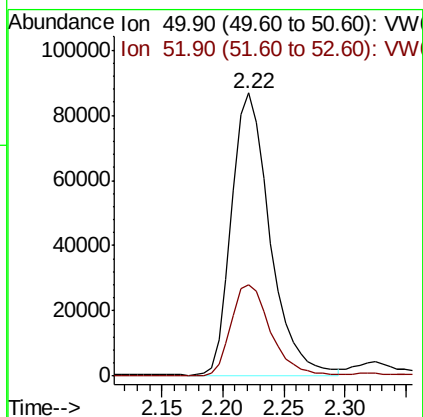
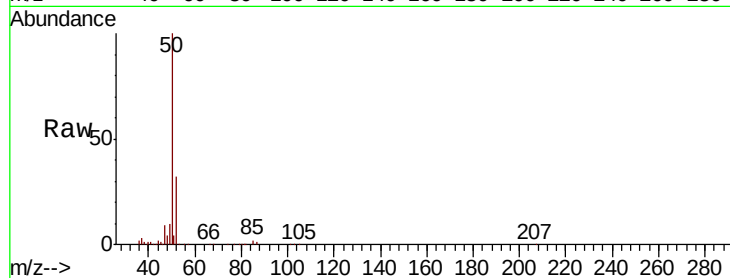
52 32.5 26.8 40.2

Manual Integrations

APPROVED

apatel

10/16/2018 10:34:06 AM



#4

Vinyl Chloride

Concen: 101.372 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW006067.D

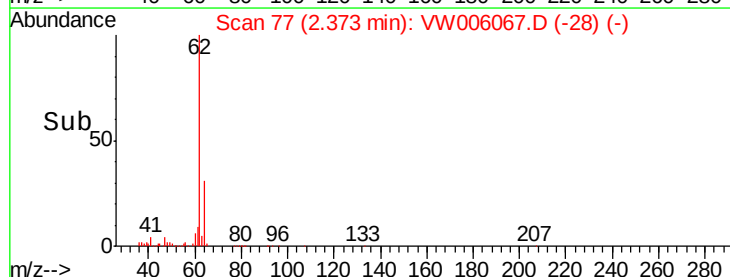
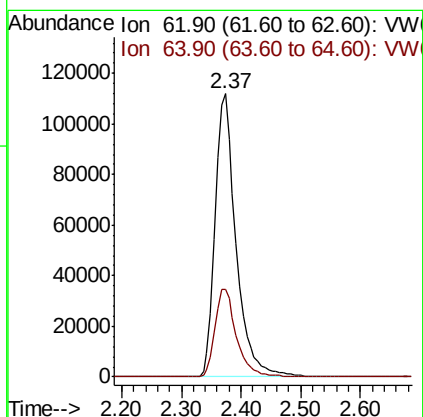
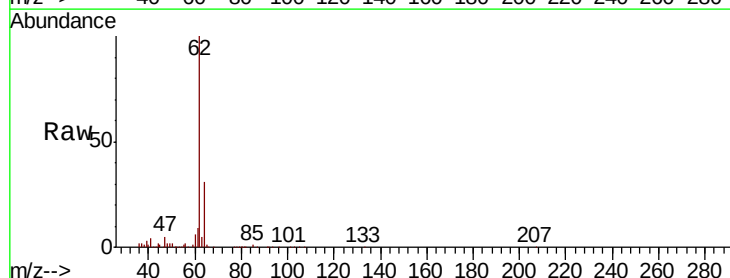
Acq: 15 Oct 2018 19:12

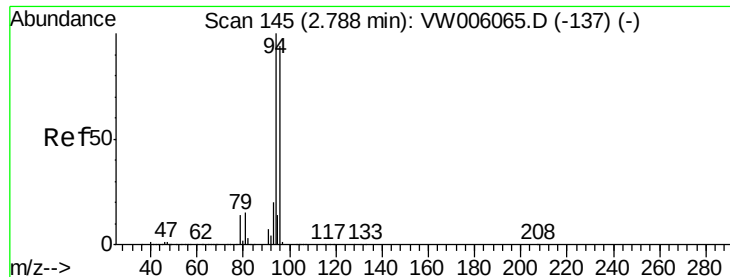
Tgt Ion: 62 Resp: 271747

Ion Ratio Lower Upper

62 100

64 30.9 25.9 38.9





#5

Bromomethane

Concen: 113.773 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 244498

Ion Ratio Lower Upper

94 100

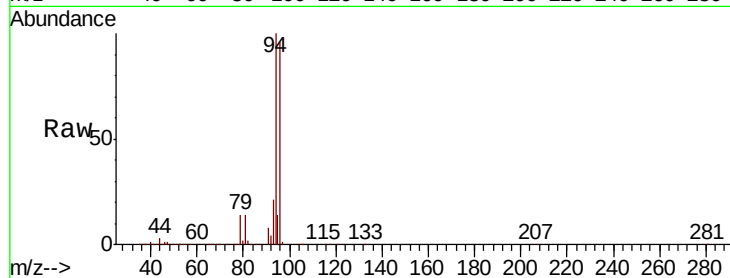
96 95.7 74.9 112.3

Manual Integrations

APPROVED

apatel

10/16/2018 10:34:06 AM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

120000

100000

80000

60000

40000

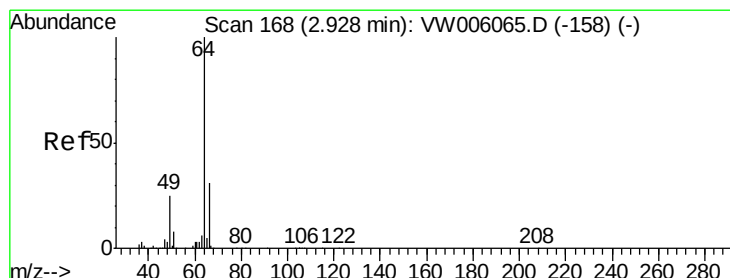
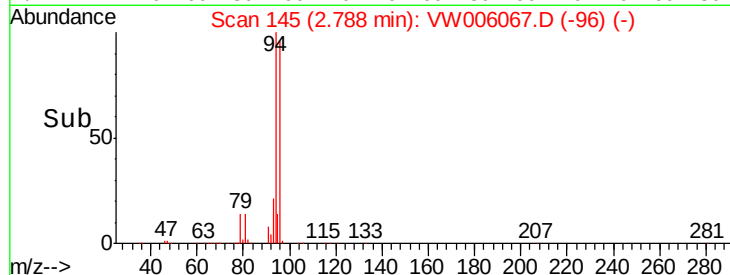
20000

0

2.79

2.70 2.80 2.90 3.00

Time-->



#6

Chloroethane

Concen: 113.644 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW006067.D

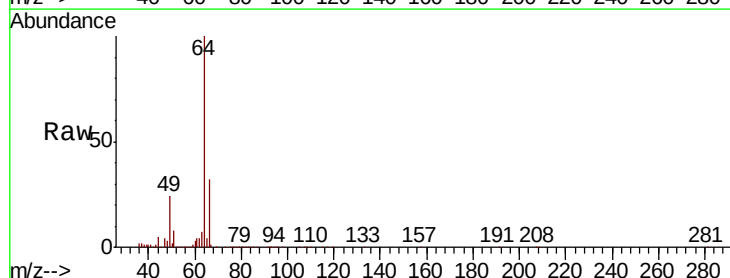
Acq: 15 Oct 2018 19:12

Tgt Ion: 64 Resp: 197870

Ion Ratio Lower Upper

64 100

66 31.8 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

80000

60000

40000

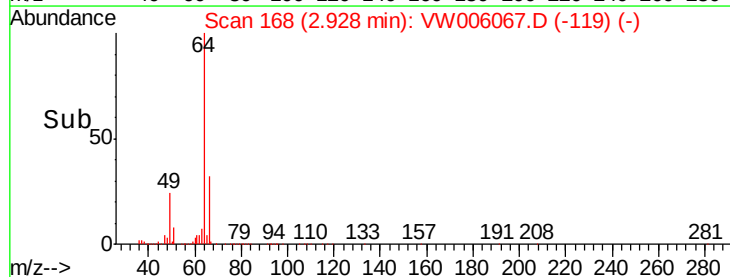
20000

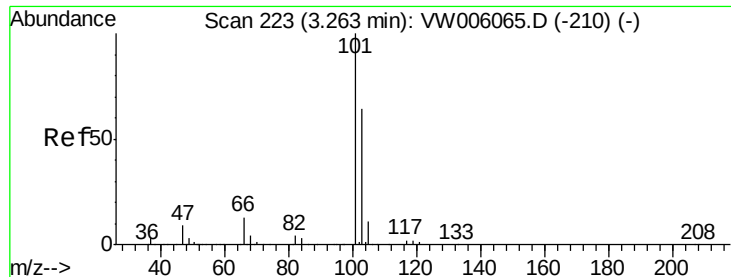
0

2.93

2.80 2.90 3.00 3.10

Time-->





#7

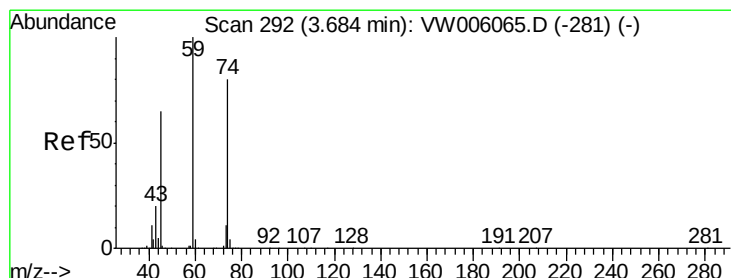
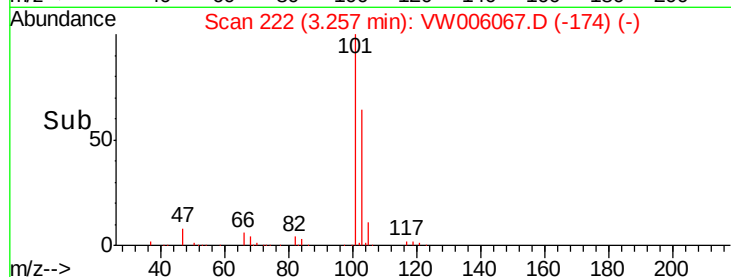
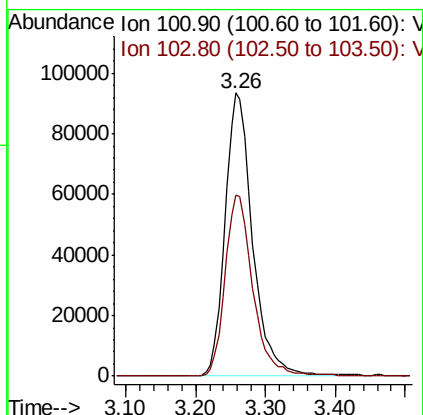
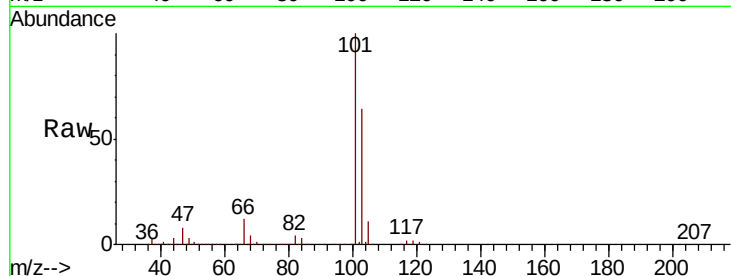
Trichlorofluoromethane
Concen: 116.743 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.2	76.8

Manual Integrations
APPROVED

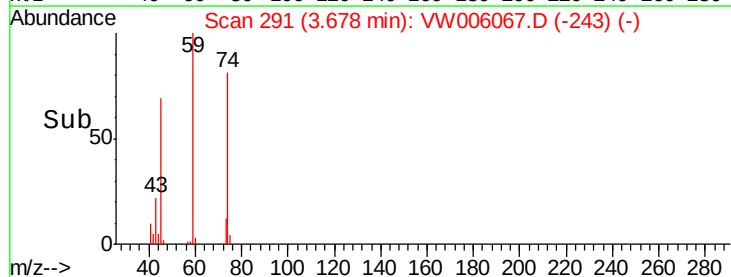
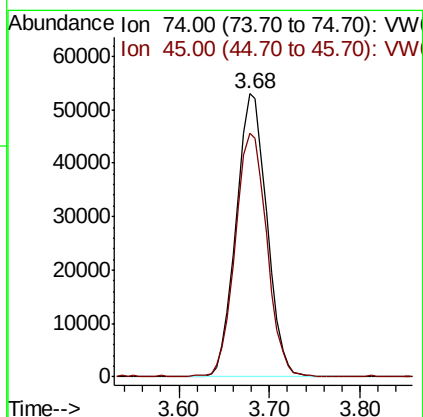
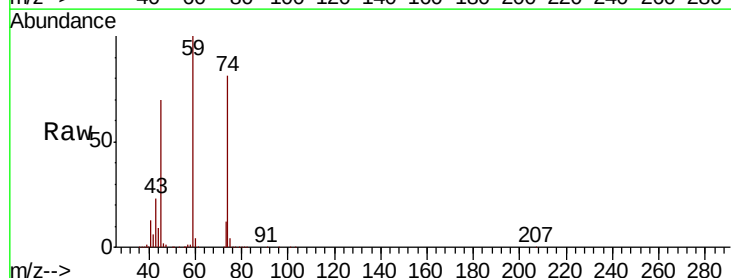
apatel
10/16/2018 10:34:06 AM

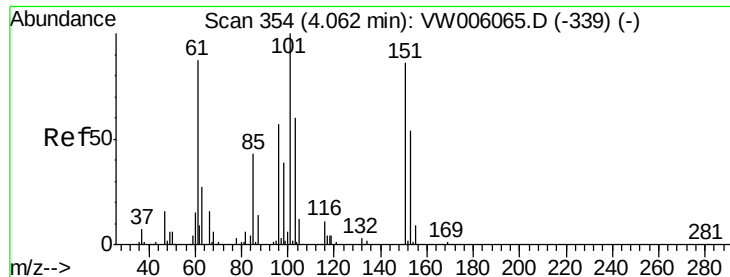


#8

Diethyl Ether
Concen: 93.772 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.7	42.8	128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 95.205 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

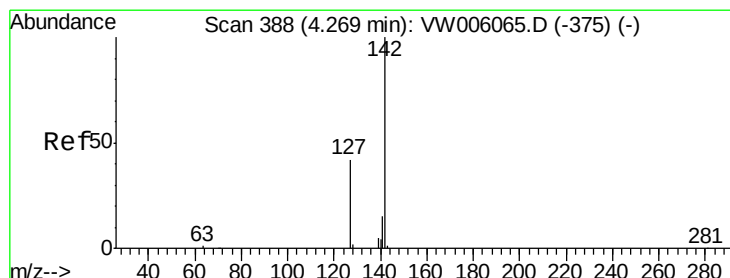
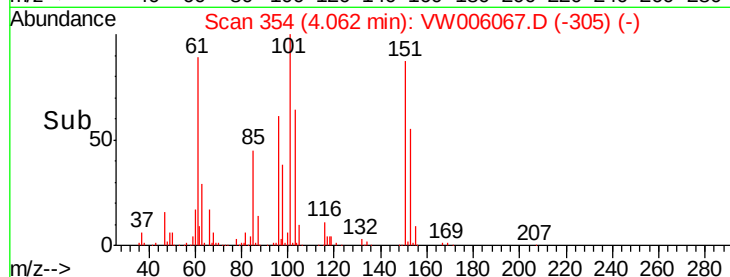
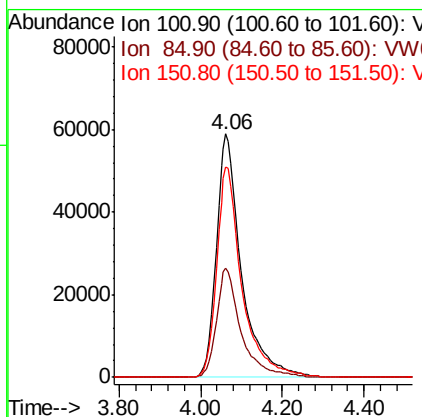
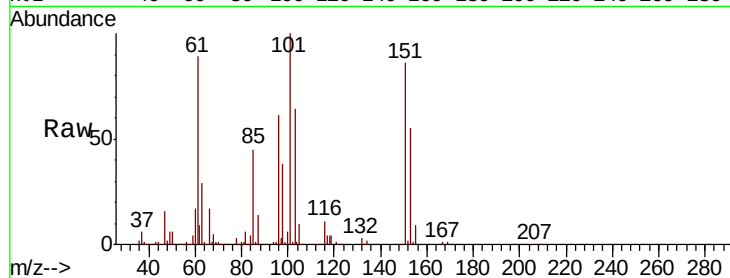
ClientSampleId :

VSTDICC100

Tot Ion:	101	Resp:	254570
Ion Ratio	Lower	Upper	
101	100		
85	43.9	34.9	52.3
151	86.9	70.4	105.6

Manual Integrations
APPROVED

apatel
10/16/2018 10:34:06 AM



#10

Methyl Iodide

Concen: 98.912 ug/l

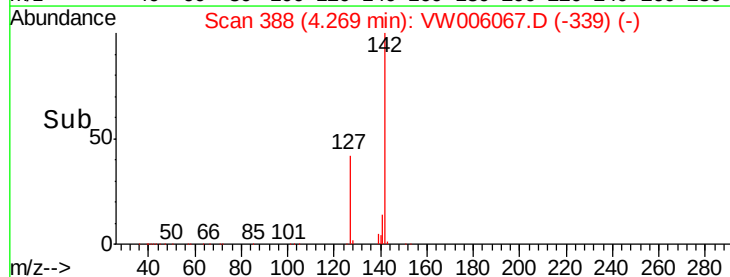
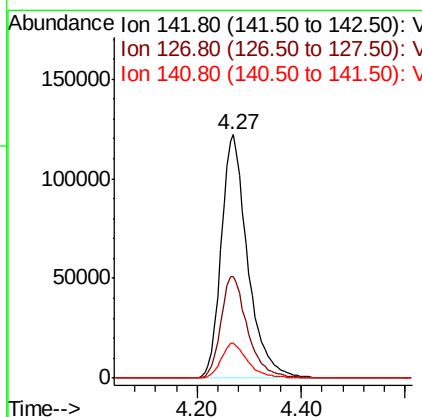
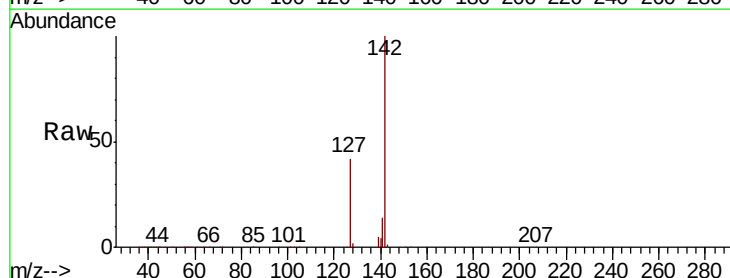
RT: 4.27 min Scan# 388

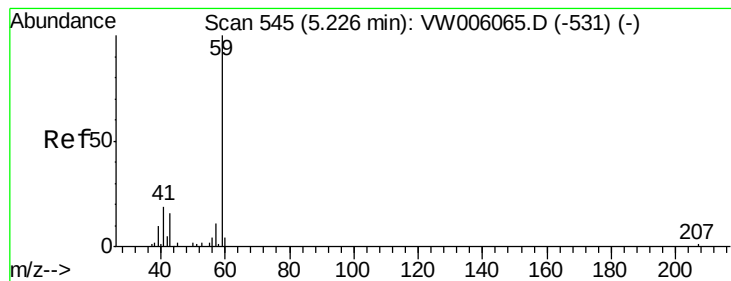
Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Tgt Ion:	142	Resp:	434166
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.6	50.4
141	14.3	11.6	17.4





#11

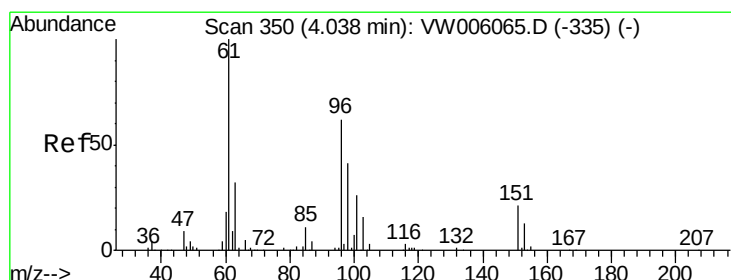
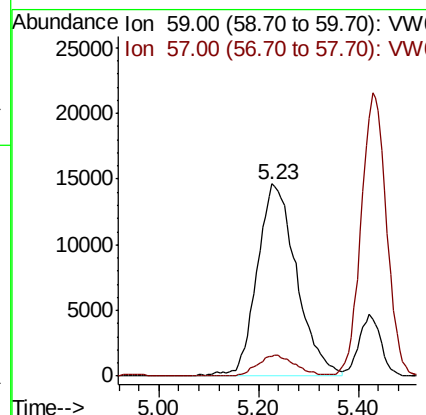
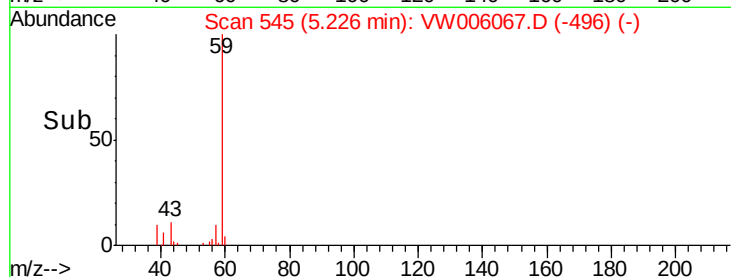
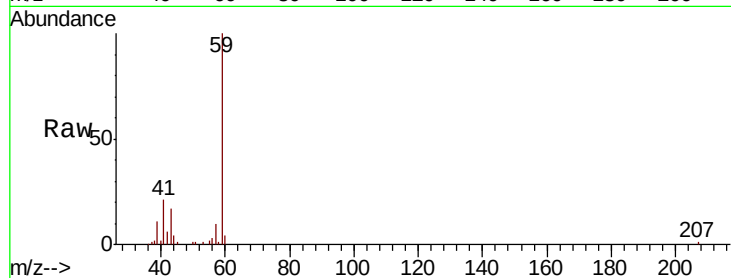
Tert butyl alcohol
Concen: 398.535 ug/l
RT: 5.23 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	59	57	Ratio	100	10.4	Resp	80383	Lower	Upper
59	100								
57		10.4						8.7	13.1

Manual Integrations
APPROVED

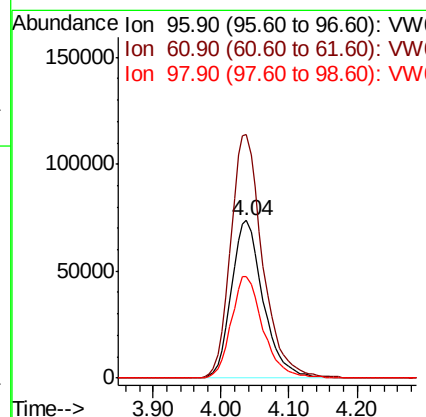
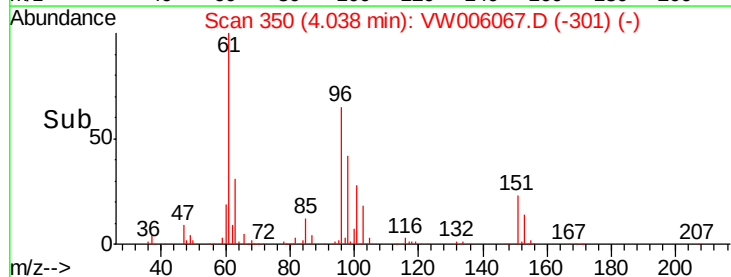
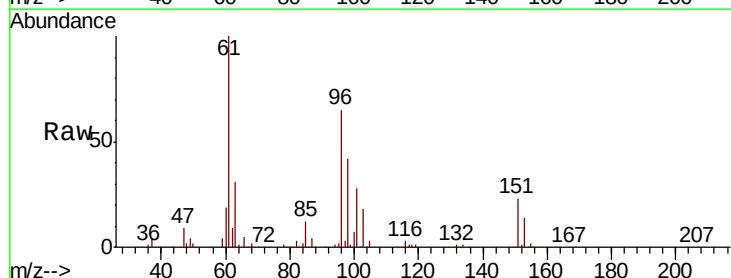
apatel
10/16/2018 10:34:06 AM

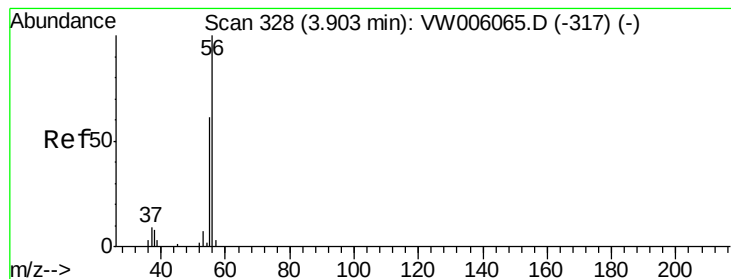


#12

1,1-Dichloroethene
Concen: 93.909 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion	96	61	98	Ratio	100	154.6	64.6	Resp	239888	Lower	Upper
96	100										
61		154.6								129.3	193.9
98		64.6								53.1	79.7





#13

Acrolein

Concen: 402.012 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 73677

Ion Ratio Lower Upper

56 100

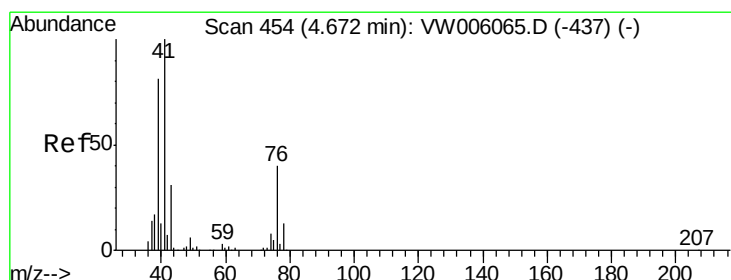
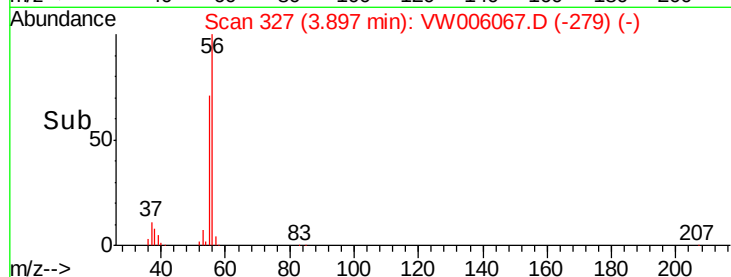
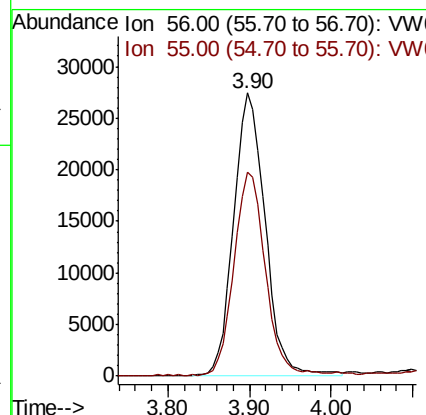
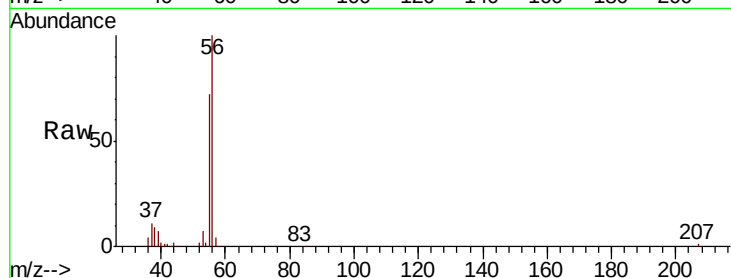
55 70.5 54.5 81.7

Manual Integrations

APPROVED

apatel

10/16/2018 10:34:06 AM



#14

Allyl chloride

Concen: 81.243 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

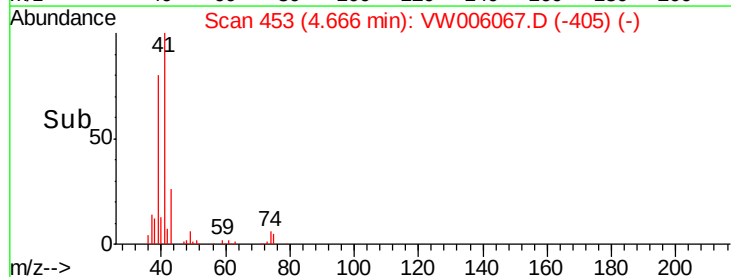
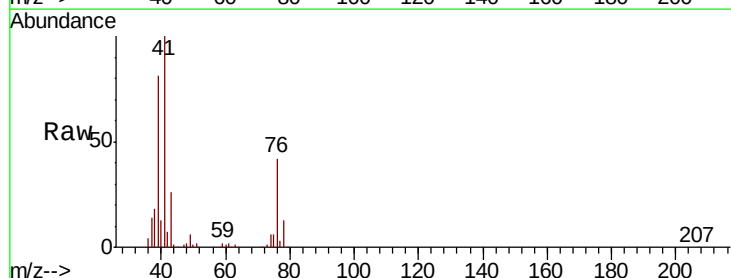
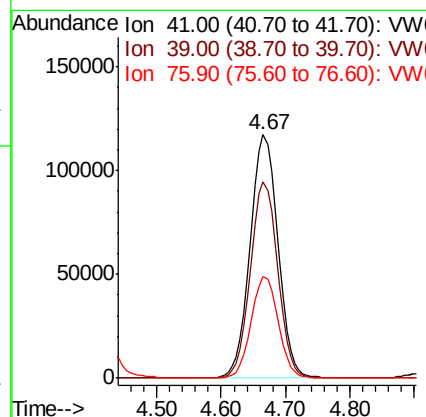
Tgt Ion: 41 Resp: 347235

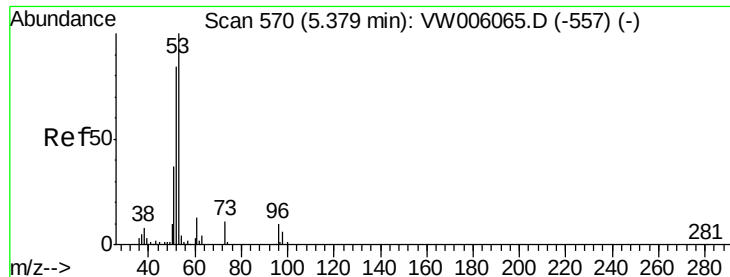
Ion Ratio Lower Upper

41 100

39 79.3 64.1 96.1

76 40.6 32.2 48.4





#15

Acrylonitrile

Concen: 429.101 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

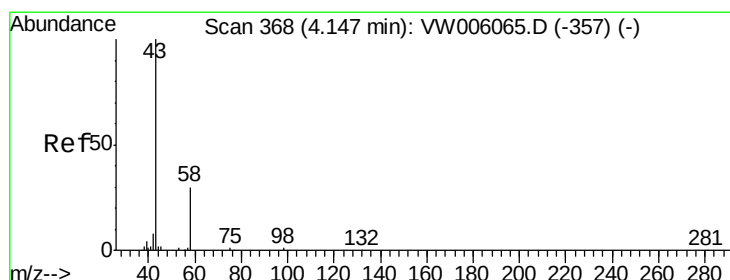
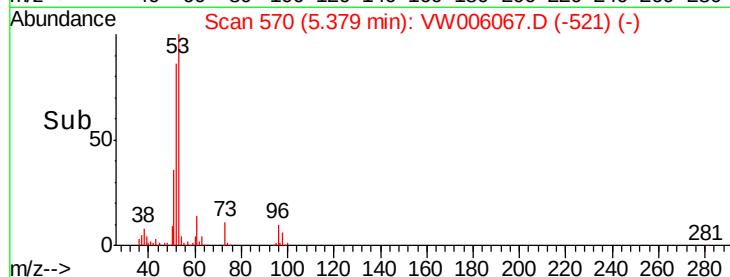
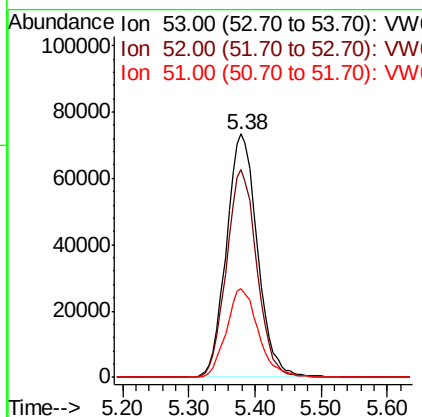
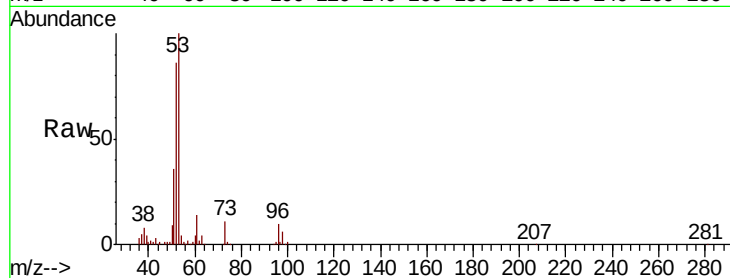
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	238532
Ion Ratio		Lower	Upper
53	100		
52	83.6	66.9	100.3
51	37.4	30.1	45.1

Manual Integrations
APPROVED

apatel
10/16/2018 10:34:06 AM



#16

Acetone

Concen: 394.063 ug/l

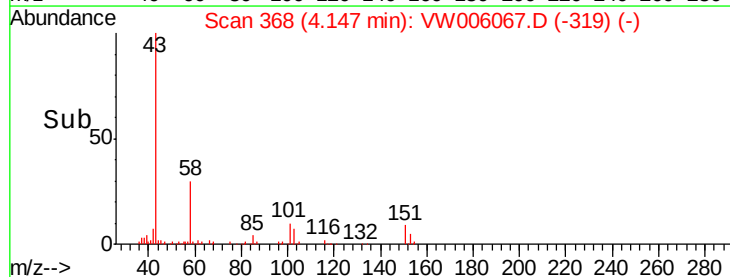
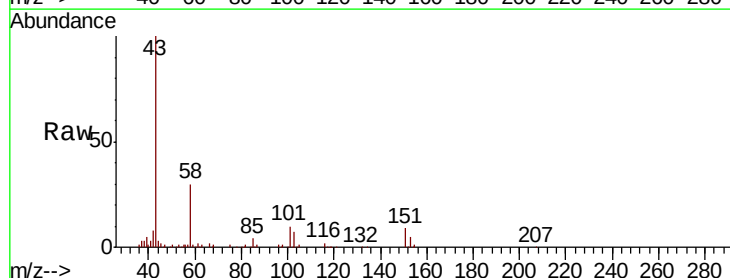
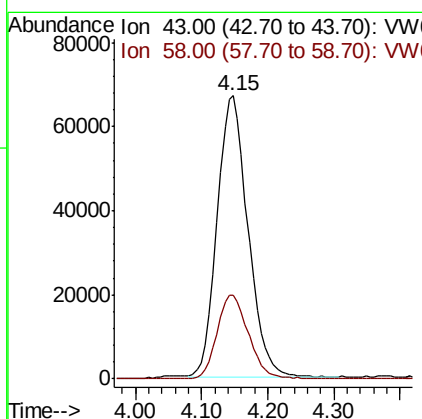
RT: 4.15 min Scan# 368

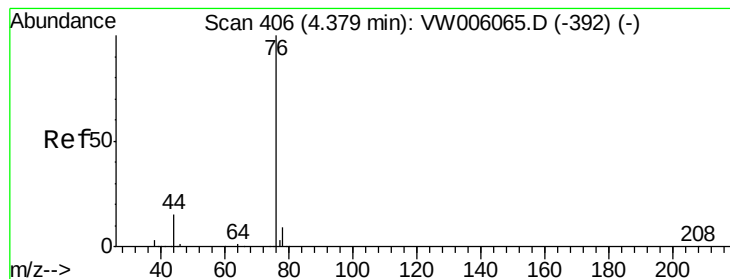
Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Tgt Ion:	43	Resp:	215220
Ion Ratio		Lower	Upper
43	100		
58	29.5	24.0	36.0





#17

Carbon Disulfide

Concen: 95.355 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 736179

Ion Ratio Lower Upper

76 100

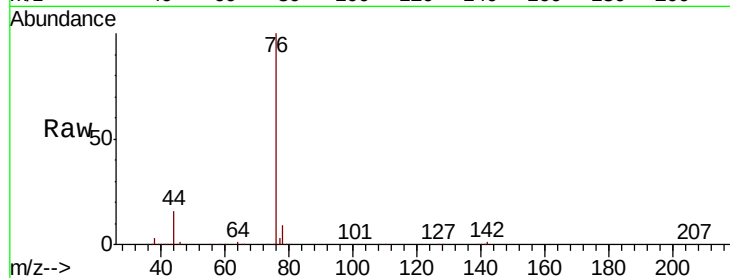
78 9.3 7.5 11.3

Manual Integrations

APPROVED

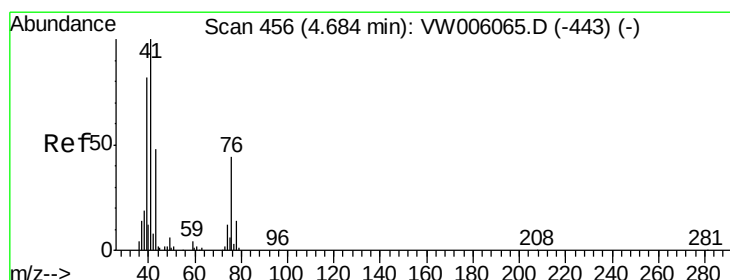
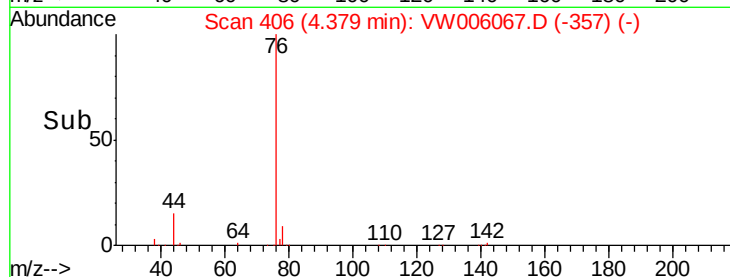
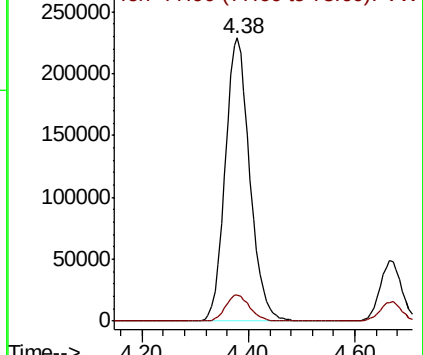
apatel

10/16/2018 10:34:06 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 86.963 ug/l

RT: 4.68 min Scan# 456

Delta R.T. -0.01 min

Lab File: VW006067.D

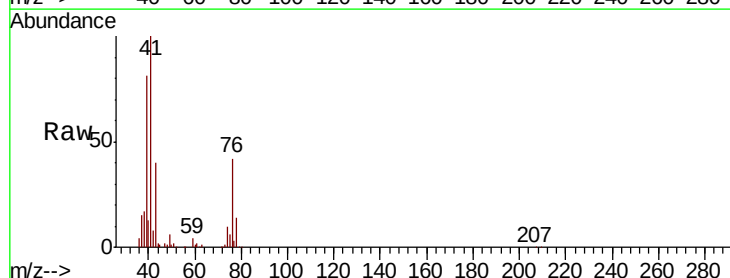
Acq: 15 Oct 2018 19:12

Tgt Ion: 43 Resp: 121677

Ion Ratio Lower Upper

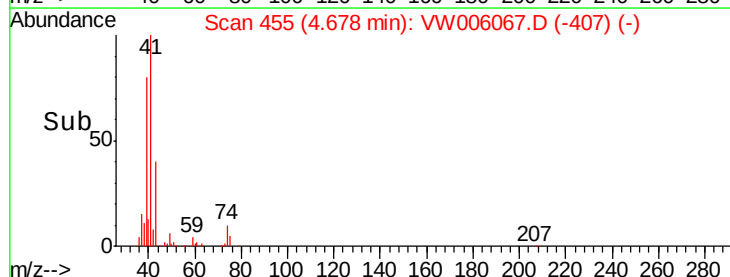
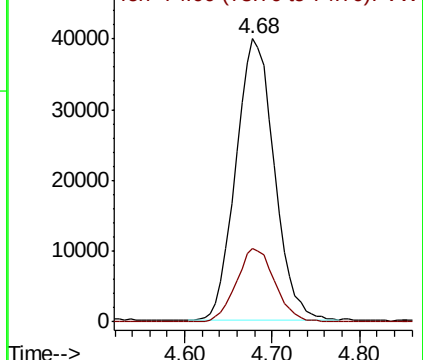
43 100

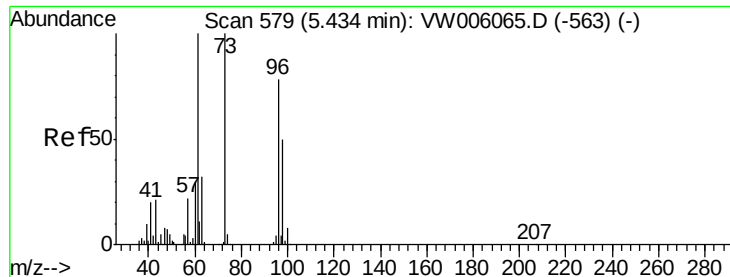
74 26.0 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





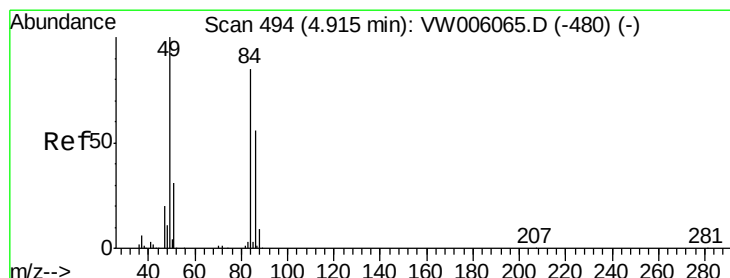
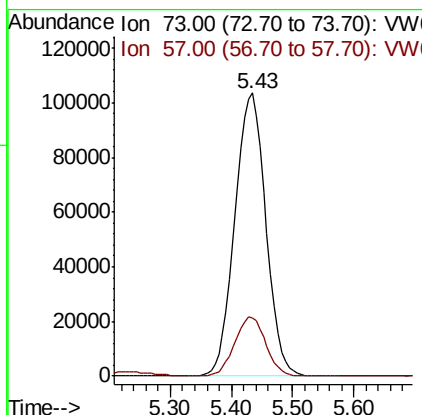
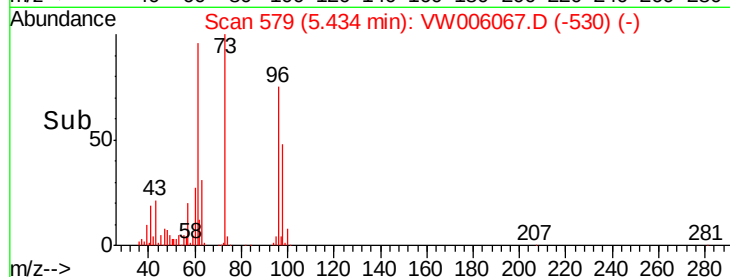
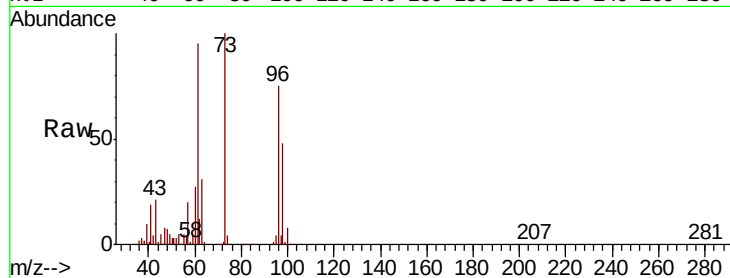
#19
Methyl tert-butyl Ether
Concen: 91.322 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.4	17.4	26.2

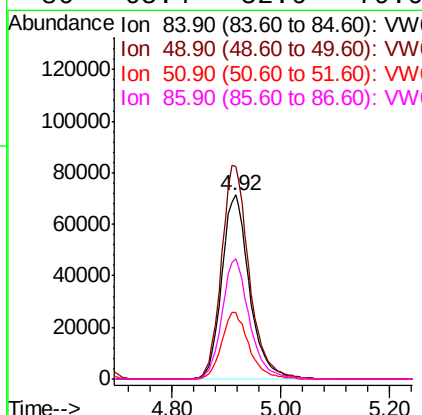
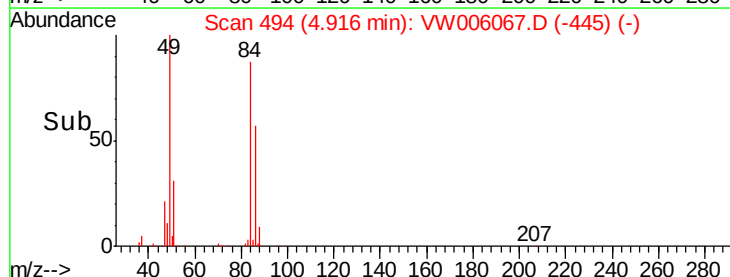
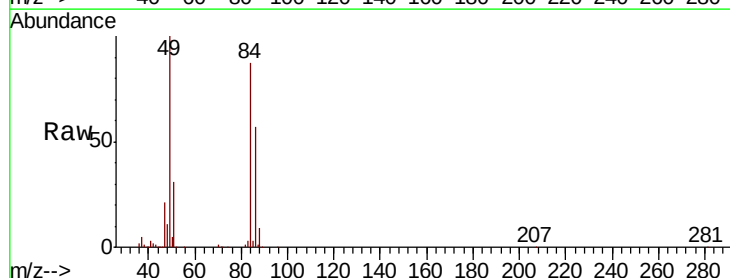
Manual Integrations
APPROVED

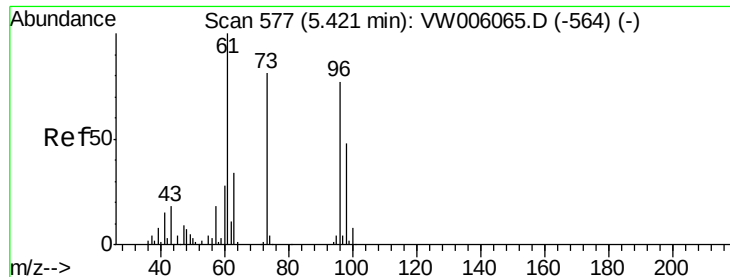
apatel
10/16/2018 10:34:06 AM



#20
Methylene Chloride
Concen: 89.197 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.1	93.6	140.4
51	36.1	29.0	43.4
86	65.4	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 95.878 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

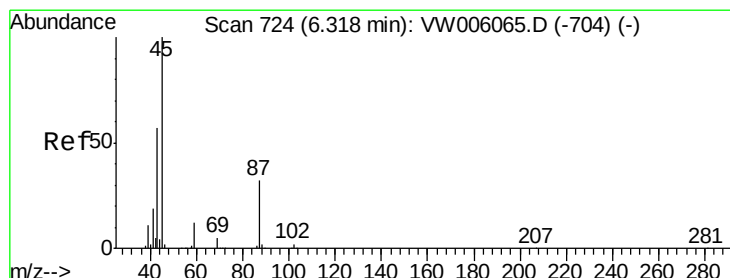
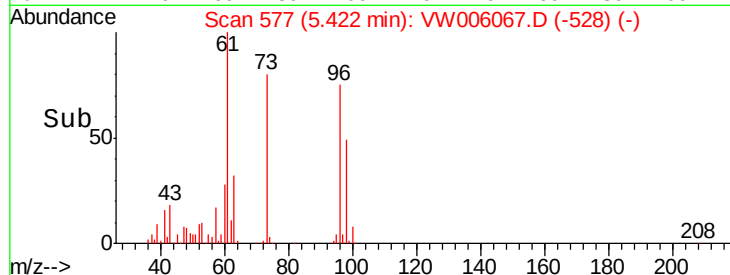
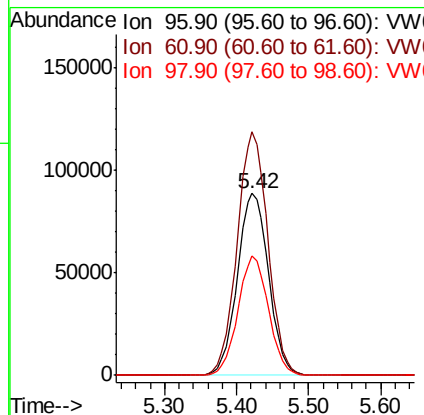
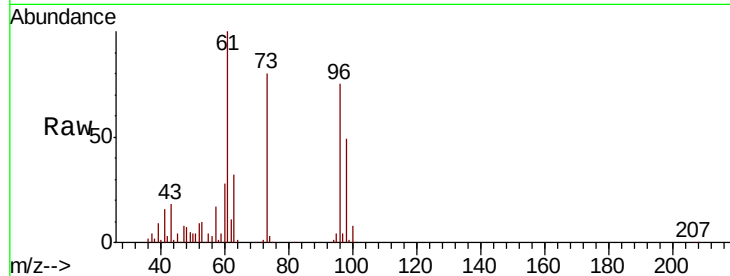
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	267729
Ion	Ratio	Lower	Upper
96	100		
61	133.8	104.5	156.7
98	65.3	50.6	75.8

Manual Integrations
APPROVED

apatel
10/16/2018 10:34:06 AM



#22

Diisopropyl ether

Concen: 87.485 ug/l

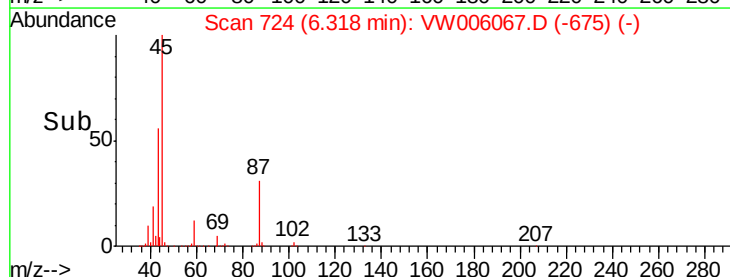
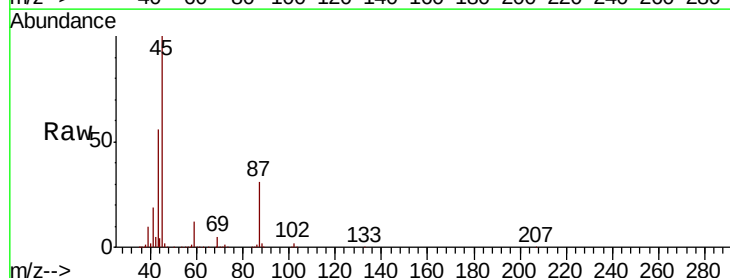
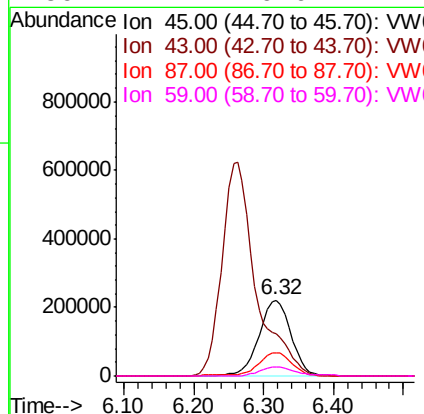
RT: 6.32 min Scan# 724

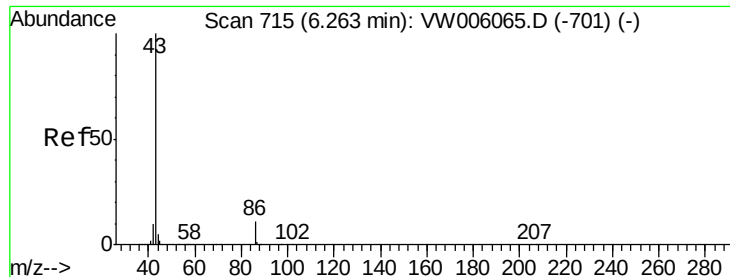
Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Tgt Ion:	45	Resp:	703088
Ion	Ratio	Lower	Upper
45	100		
43	55.9	45.7	68.5
87	31.1	25.9	38.9
59	12.1	9.6	14.4





#23

Vinyl Acetate

Concen: 428.920 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 2105249

Ion Ratio Lower Upper

43 100

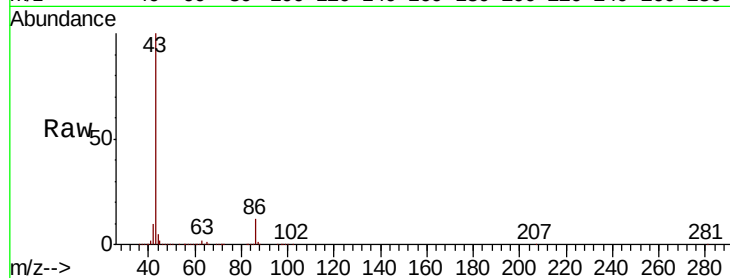
86 11.6 9.0 13.6

Manual Integrations

APPROVED

apatel

10/16/2018 10:34:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

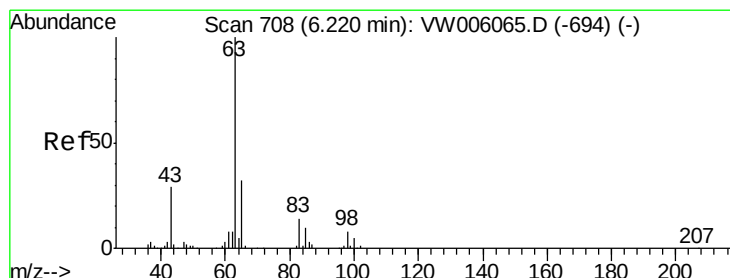
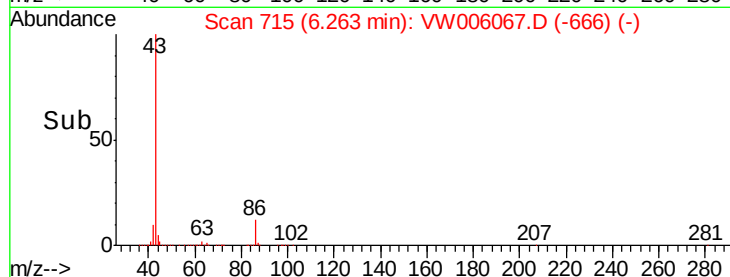
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 90.139 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

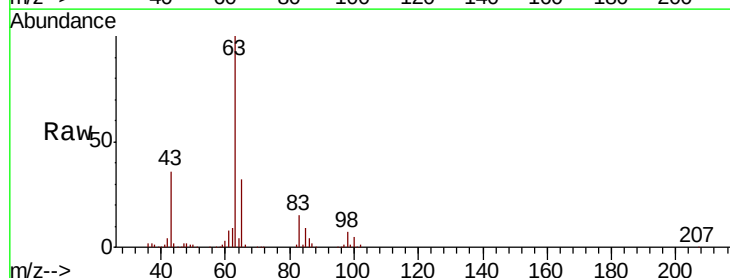
Tgt Ion: 63 Resp: 446824

Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.2

100 4.5 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

200000

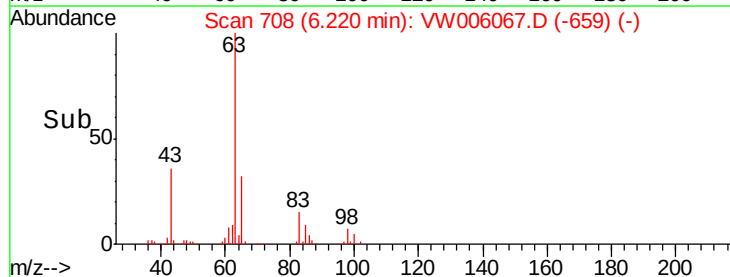
150000

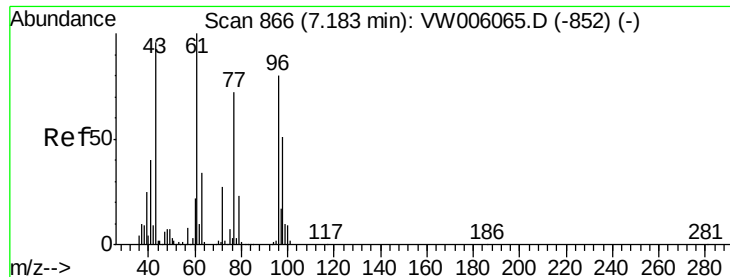
100000

50000

0

Time-->





#25

2-Butanone

Concen: 405.506 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 316845

Ion Ratio Lower Upper

43 100

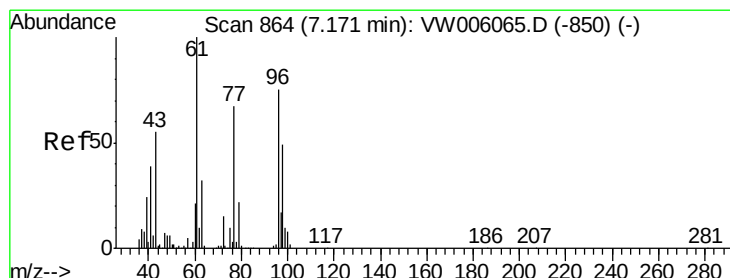
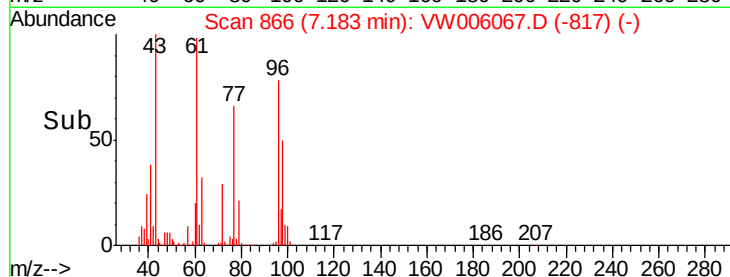
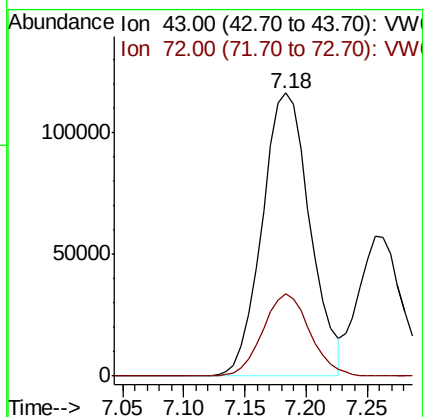
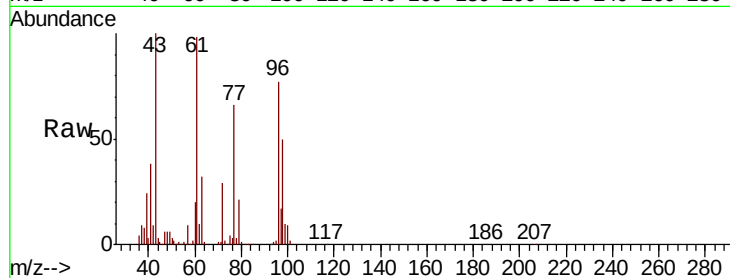
72 29.0 22.8 34.2

Manual Integrations

APPROVED

apatel

10/16/2018 10:34:06 AM



#26

2,2-Dichloropropane

Concen: 83.467 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006067.D

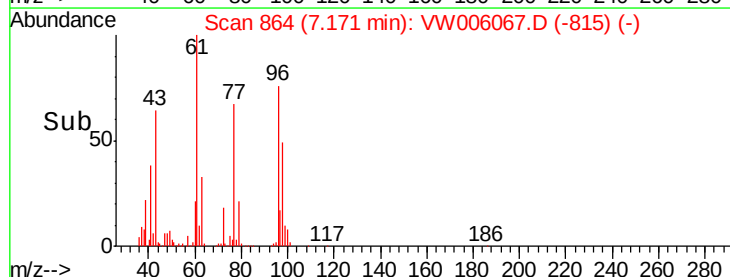
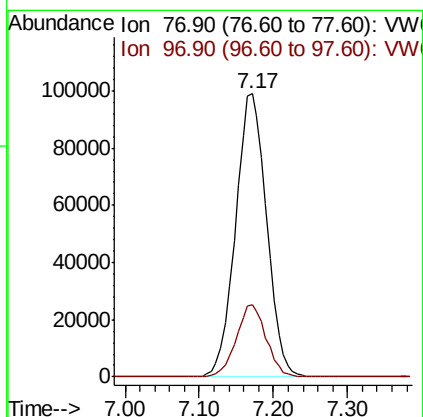
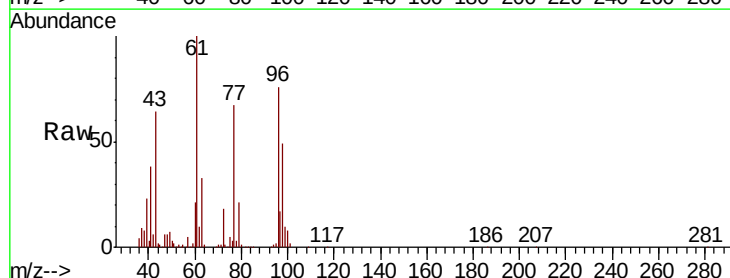
Acq: 15 Oct 2018 19:12

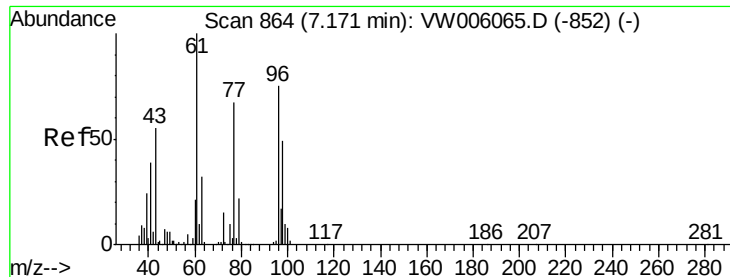
Tgt Ion: 77 Resp: 289398

Ion Ratio Lower Upper

77 100

97 24.4 12.2 36.4





#27

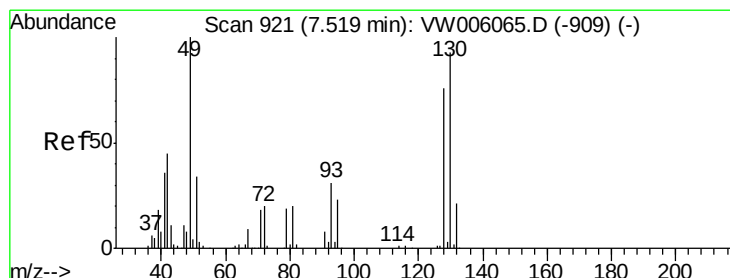
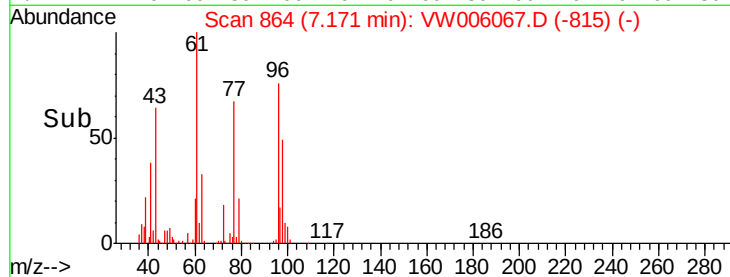
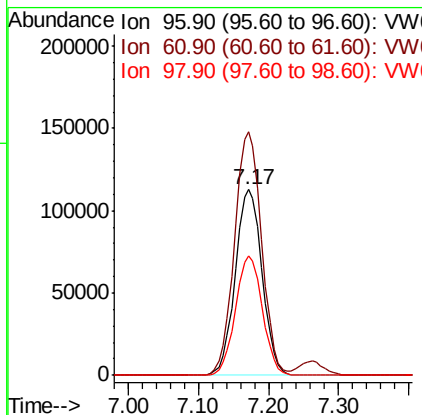
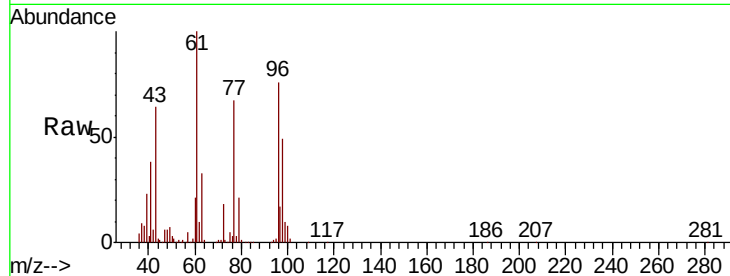
cis-1,2-Dichloroethene
Concen: 95.029 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	299513		
61	132.3	0.0	267.2	
98	64.7	0.0	128.6	

Manual Integrations
APPROVED

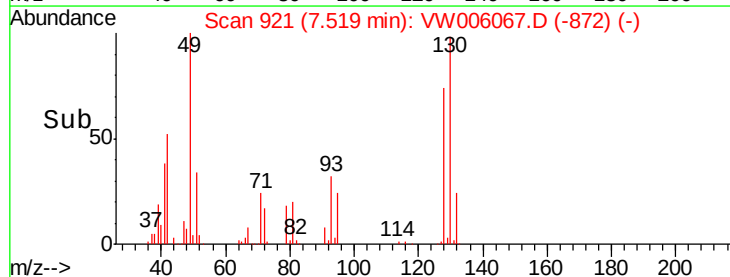
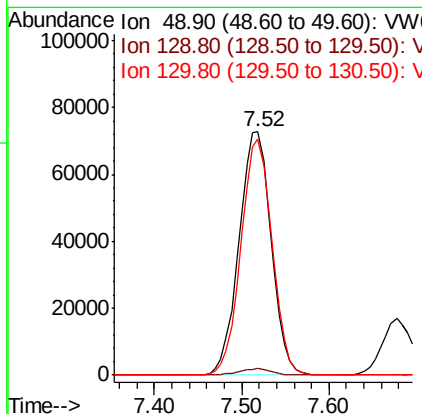
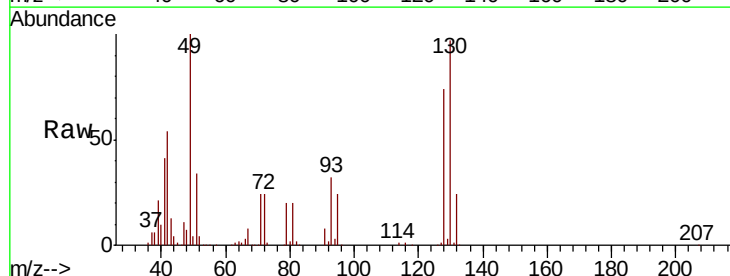
apatel
10/16/2018 10:34:06 AM

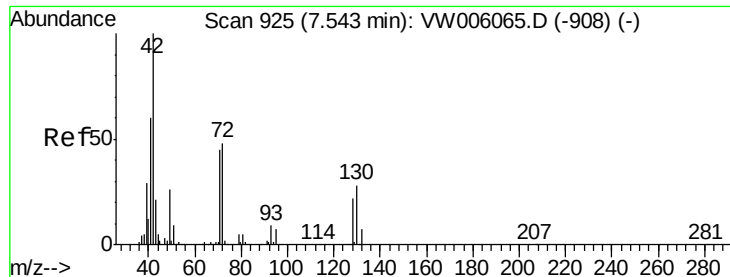


#28

Bromochloromethane
Concen: 98.852 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	185491		
129	2.6	0.0	5.0	
130	93.8	73.8	110.8	





#29

Tetrahydrofuran

Concen: 416.722 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

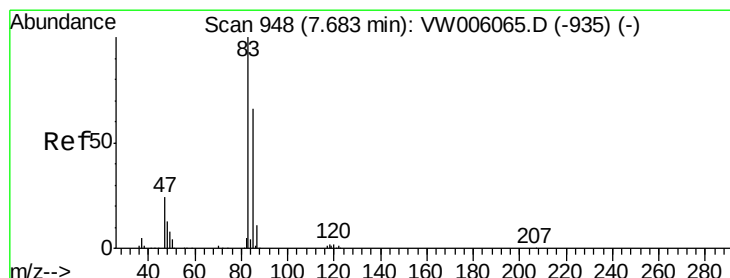
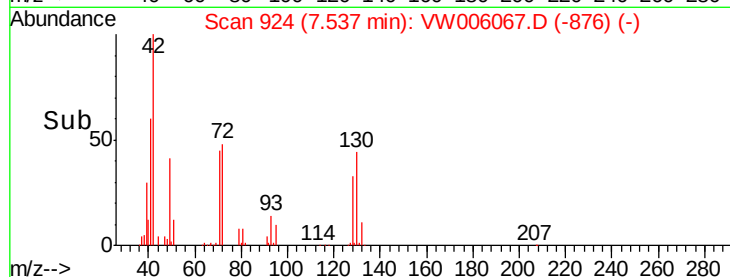
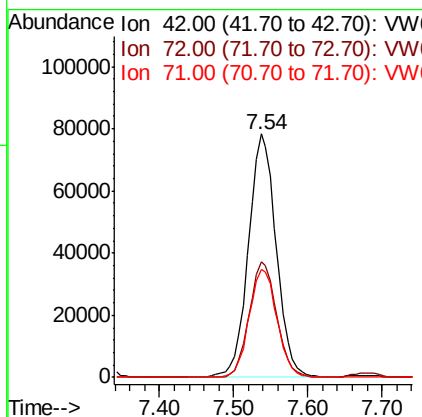
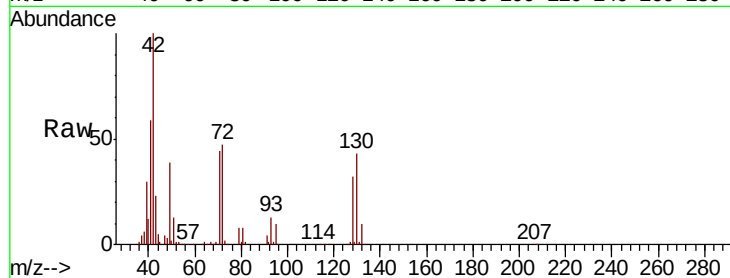
ClientSampleID :

VSTDIC100

Tot Ion:	42	Resp:	205983
Ion Ratio		Lower	Upper
42	100		
72	46.5	38.0	57.0
71	44.1	35.3	52.9

Manual Integrations
APPROVED

apatel
10/16/2018 10:34:06 AM



#30

Chloroform

Concen: 95.400 ug/l

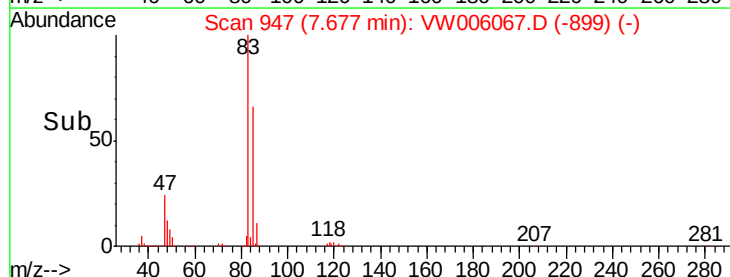
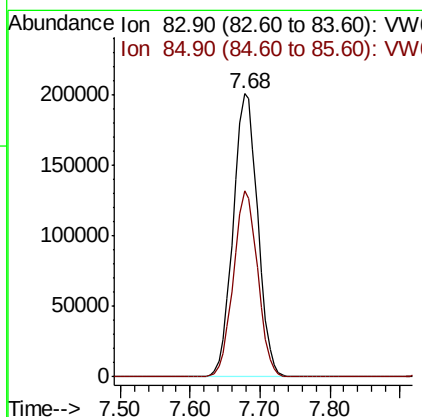
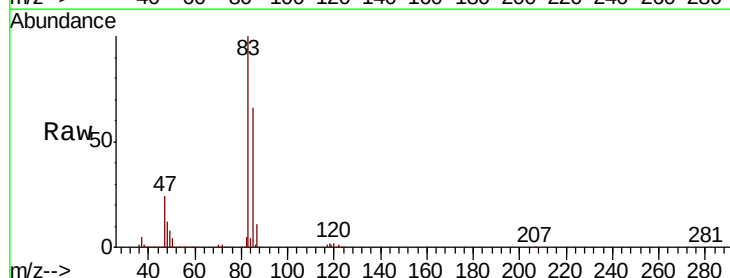
RT: 7.68 min Scan# 947

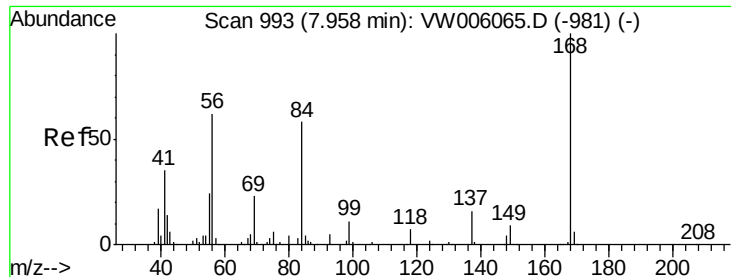
Delta R.T. -0.01 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Tgt Ion:	83	Resp:	488964
Ion Ratio		Lower	Upper
83	100		
85	65.7	52.6	79.0





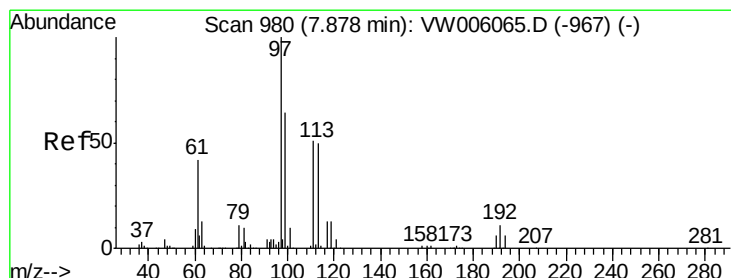
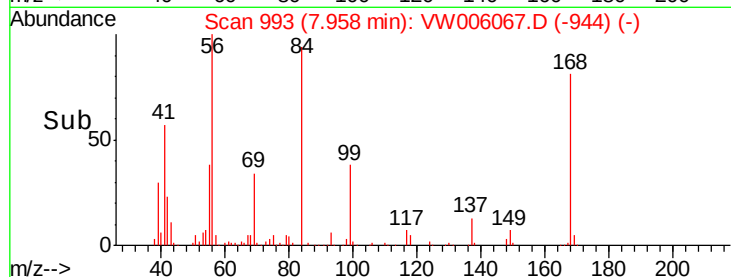
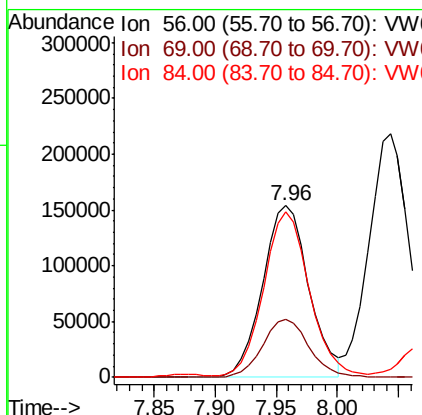
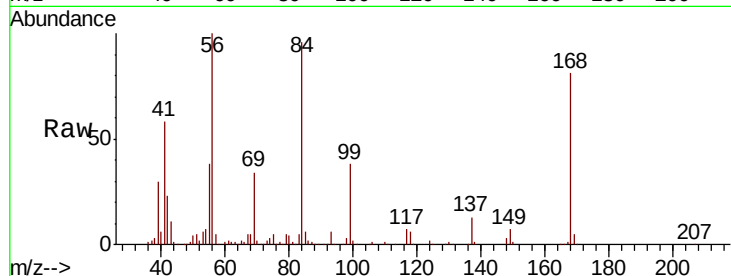
#31
Cyclohexane
Concen: 82.733 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.0	29.4	44.0
84	94.5	74.0	111.0

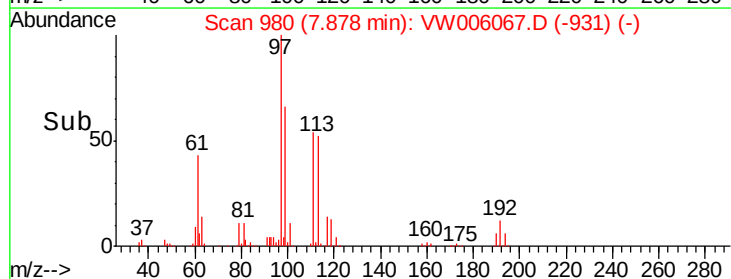
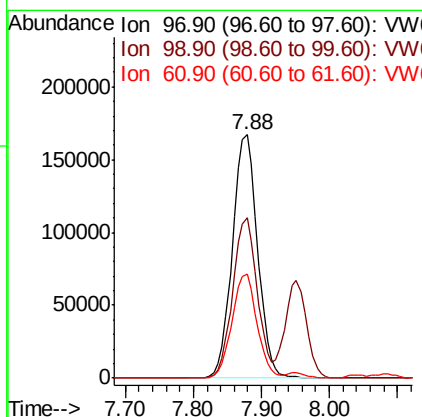
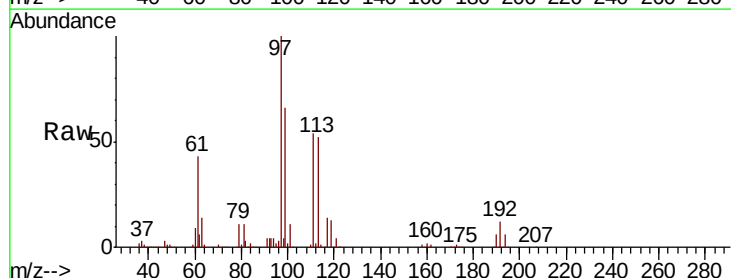
Manual Integrations
APPROVED

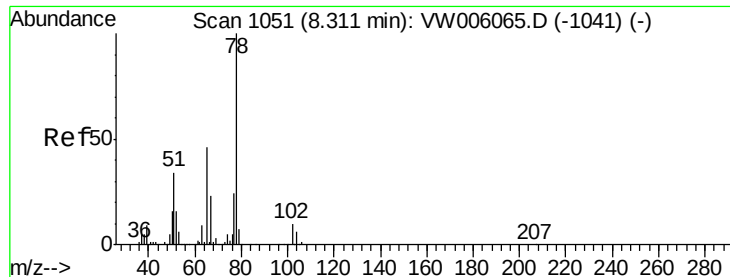
apatel
10/16/2018 10:34:06 AM



#32
1,1,1-Trichloroethane
Concen: 93.765 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.9	76.3
61	42.3	33.7	50.5





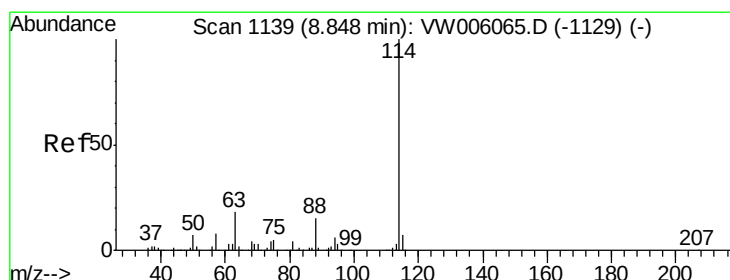
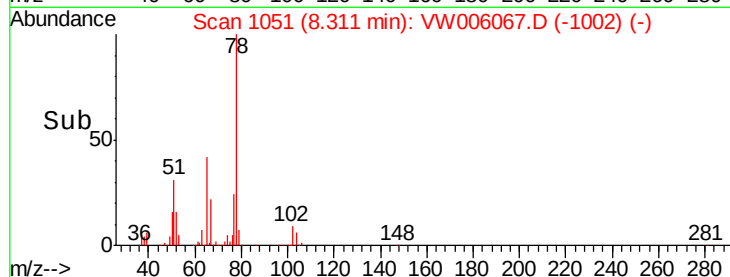
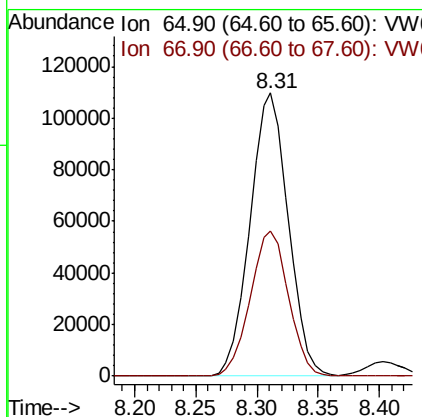
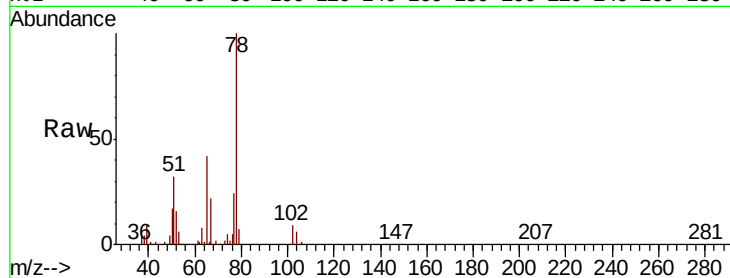
#33
 1,2-Dichloroethane-d4
 Concen: 85.371 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	238176		
67	51.6	0.0	101.0	

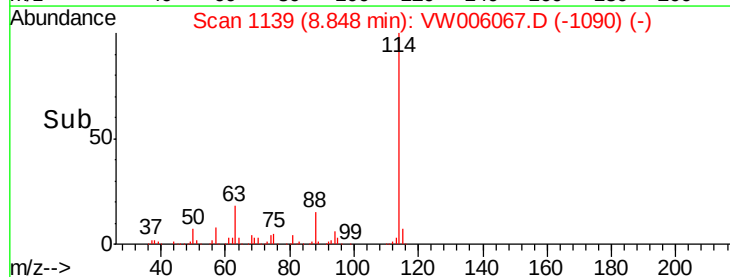
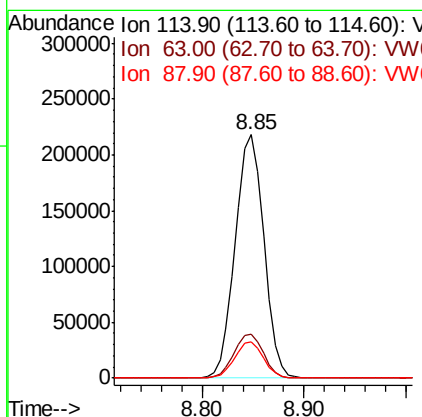
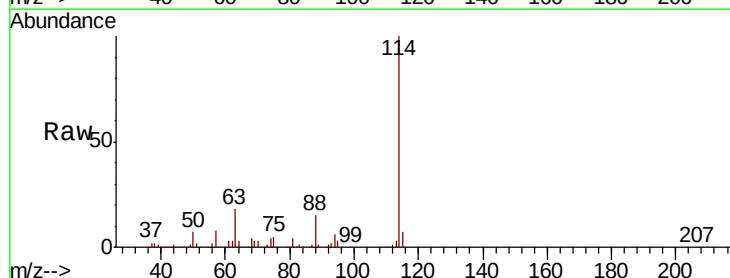
Manual Integrations
 APPROVED

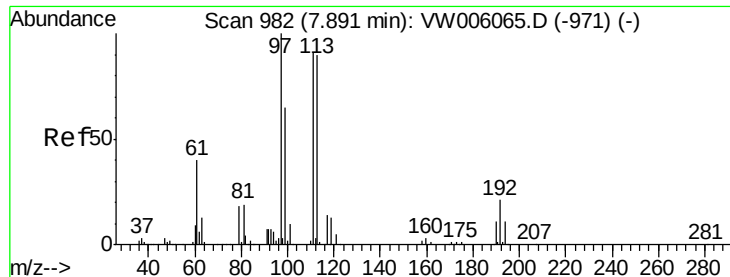
apatel
 10/16/2018 10:34:06 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	425795		
63	18.1	0.0	36.8	
88	14.6	0.0	29.0	





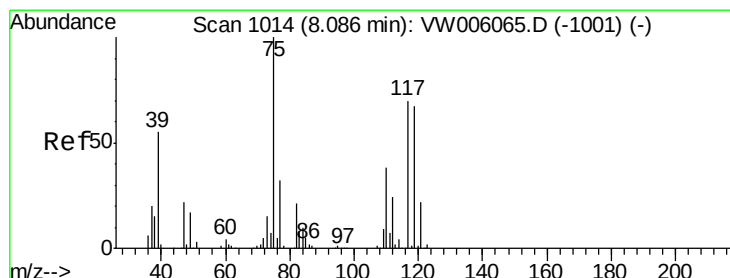
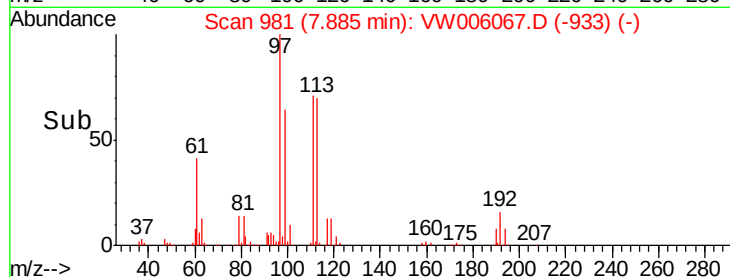
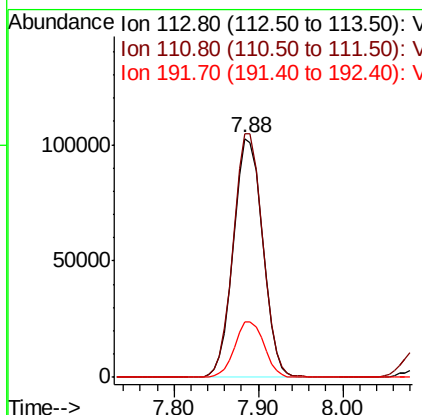
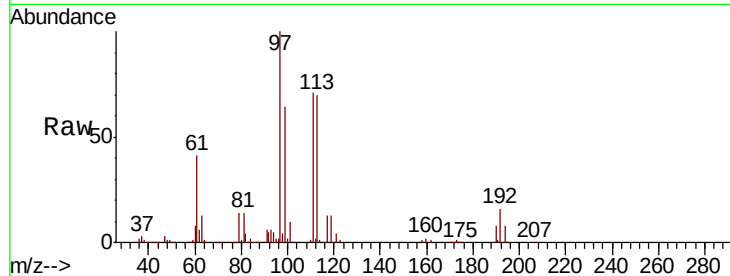
#35
 Dibromofluoromethane
 Concen: 90.069 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	241838		
111	102.3	81.4	122.0	
192	23.4	18.7	28.1	

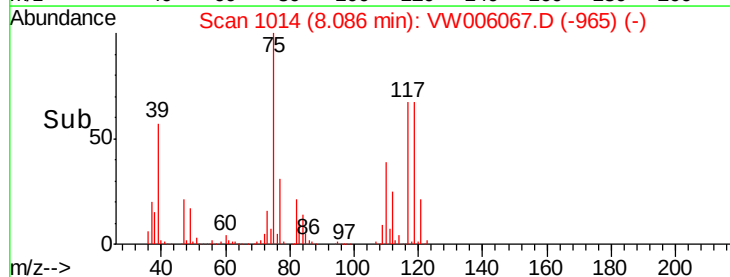
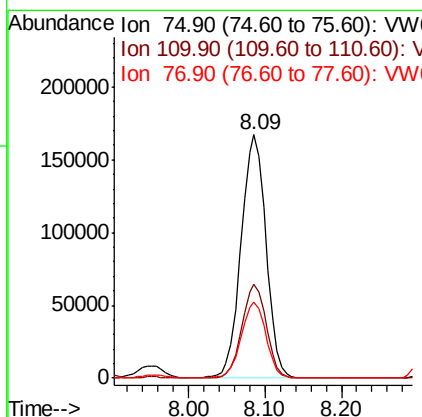
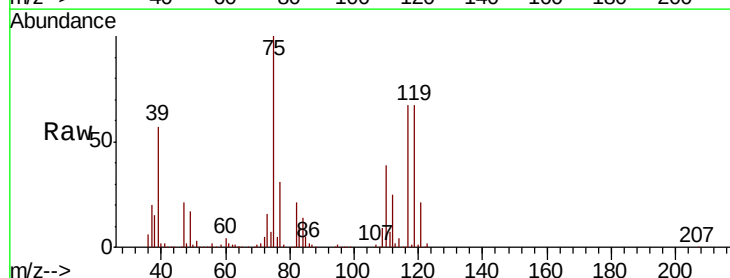
Manual Integrations
 APPROVED

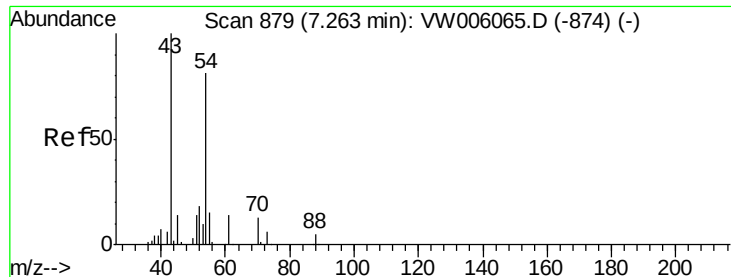
apatel
 10/16/2018 10:34:06 AM



#36
 1,1-Dichloropropene
 Concen: 94.066 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	378863		
110	37.6	19.1	57.1	
77	31.0	25.0	37.4	





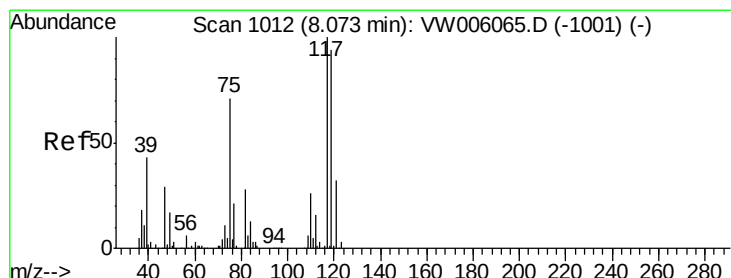
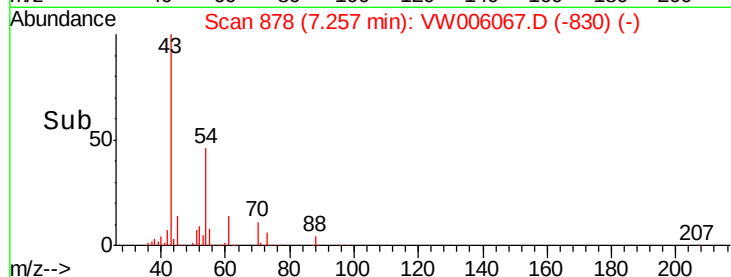
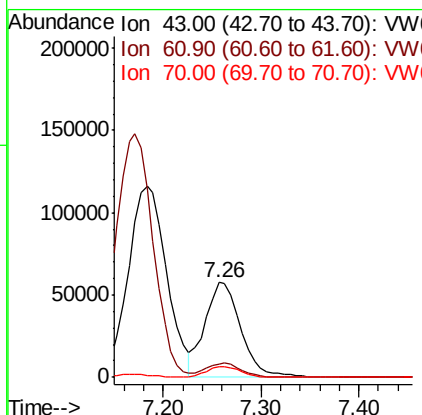
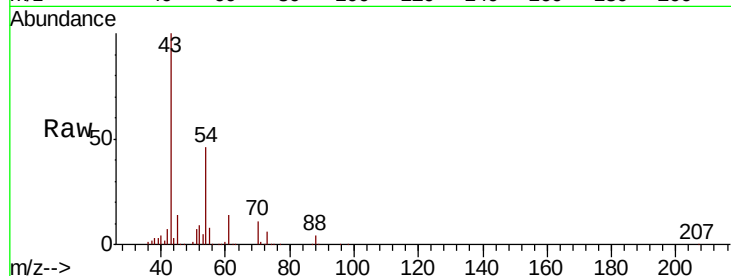
#37
Ethyl Acetate
Concen: 87.107 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.5	17.3
70	11.5	9.2	13.8

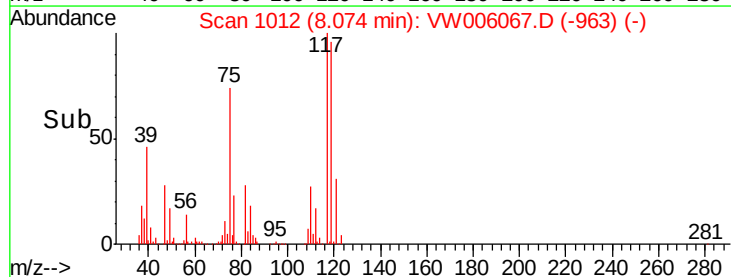
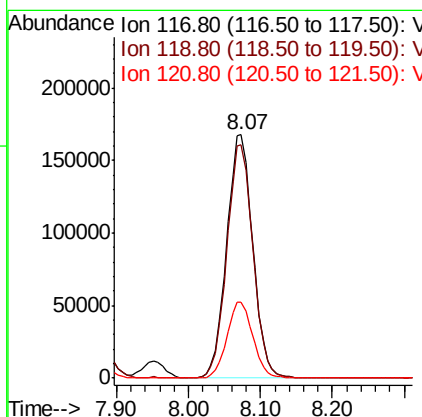
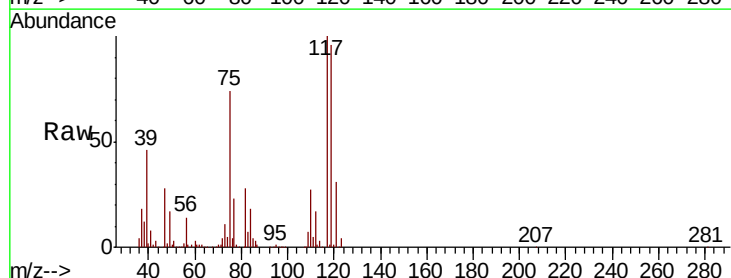
Manual Integrations
APPROVED

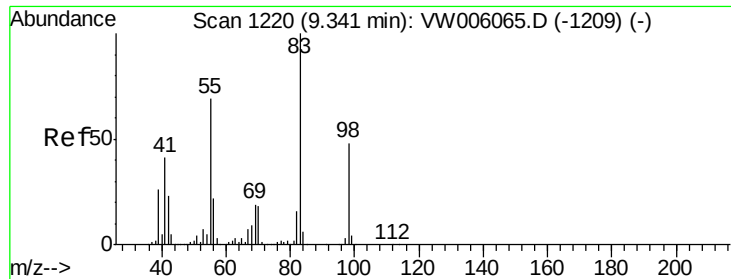
apatel
10/16/2018 10:34:06 AM



#38
Carbon Tetrachloride
Concen: 97.518 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.2	112.8
121	31.1	25.3	37.9





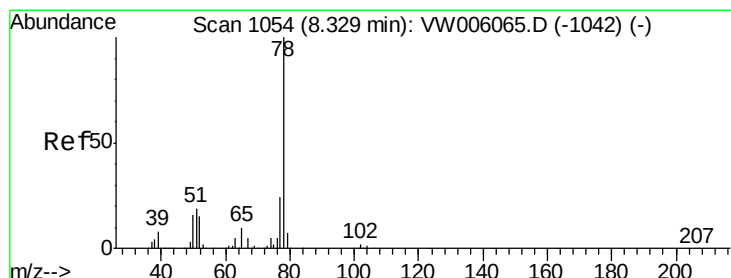
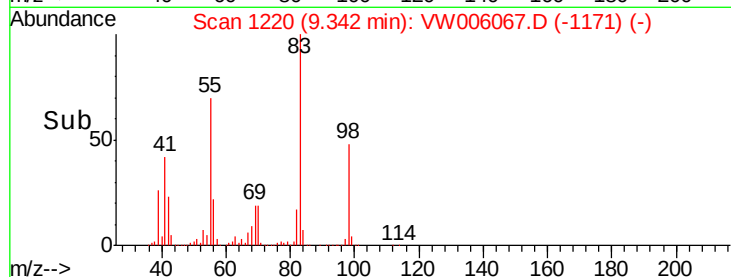
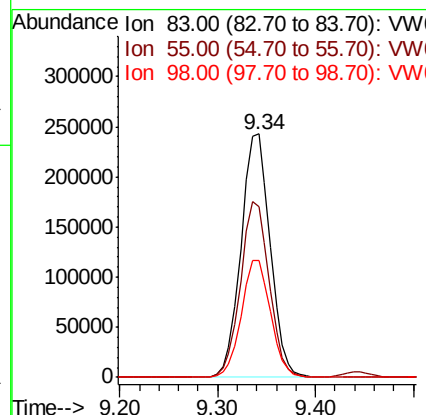
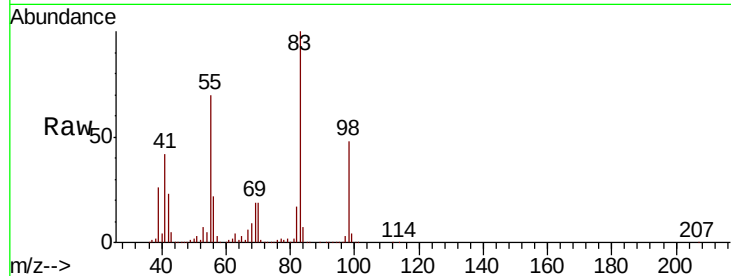
#39
Methylvlcyclohexane
Concen: 95.010 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.3	55.0	82.6
98	47.9	38.6	57.8

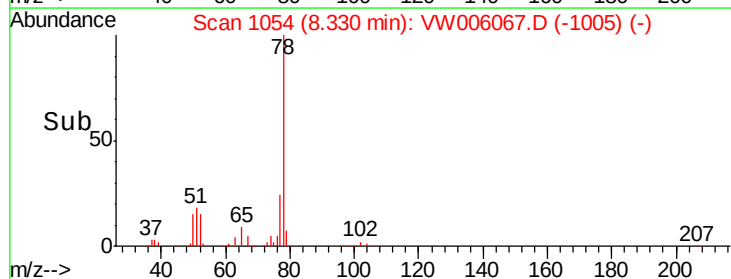
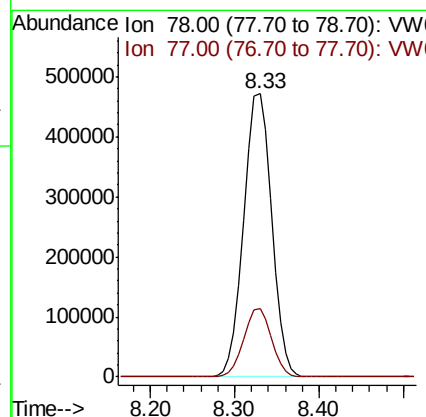
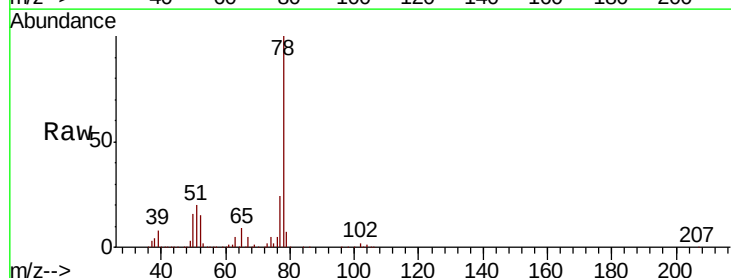
Manual Integrations
APPROVED

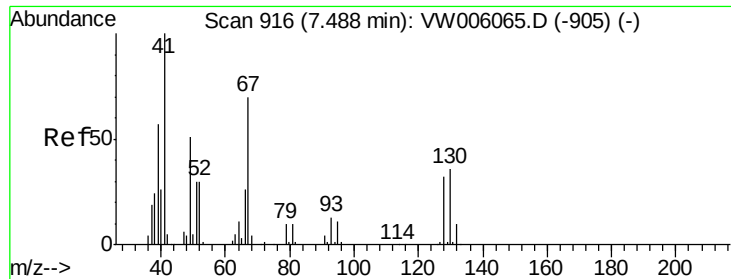
apatel
10/16/2018 10:34:06 AM



#40
Benzene
Concen: 95.584 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.0





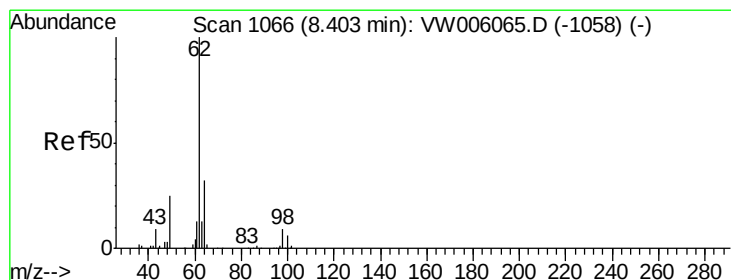
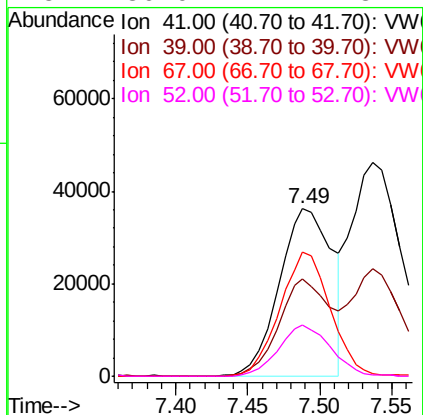
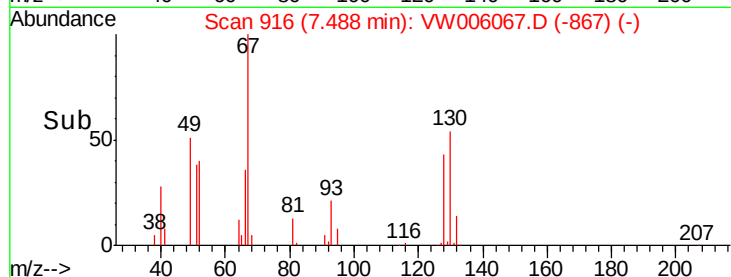
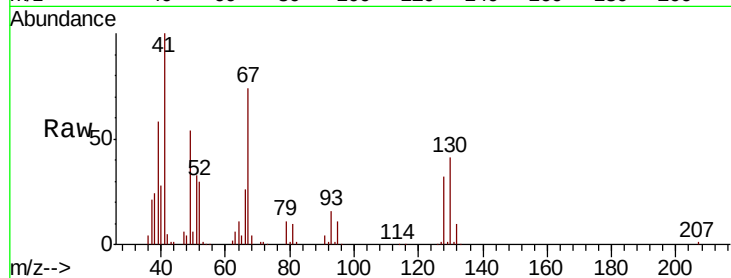
#41
Methacrylonitrile
Concen: 88.092 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:	41	Resp:	93027
Ion Ratio	Lower	Upper	
41	100		
39	56.3	46.2	69.4
67	70.6	57.7	86.5
52	30.0	24.7	37.1

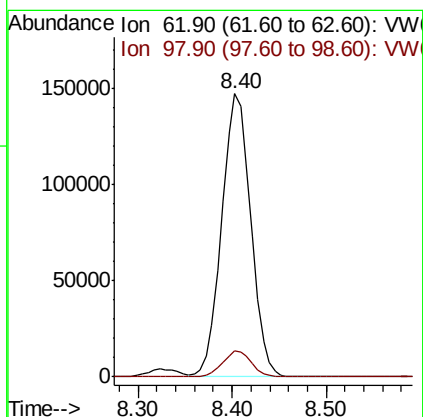
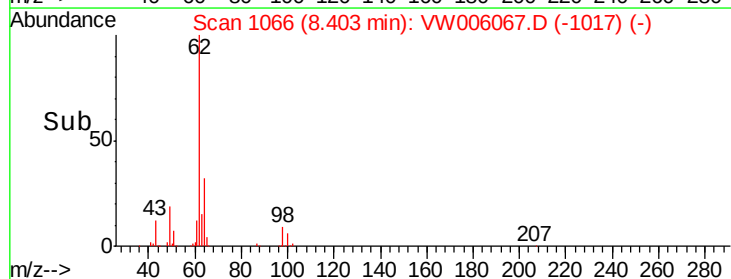
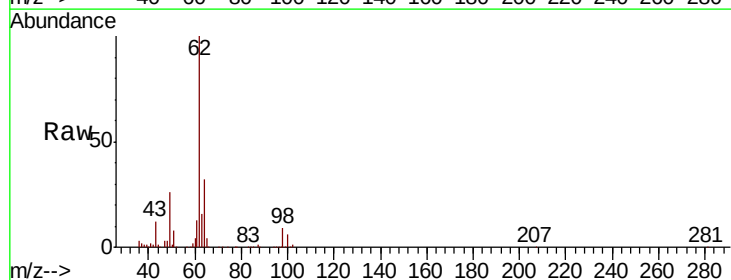
Manual Integrations
APPROVED

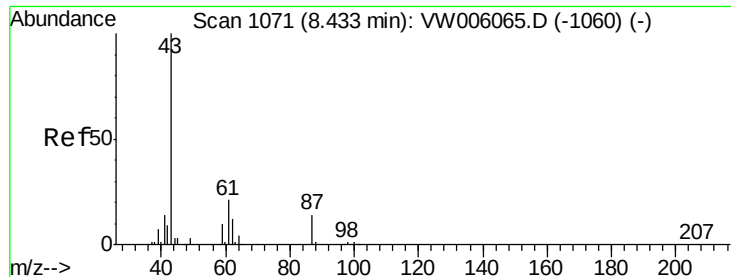
apatel
10/16/2018 10:34:06 AM



#42
1,2-Dichloroethane
Concen: 94.643 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion:	62	Resp:	315217
Ion Ratio	Lower	Upper	
62	100		
98	9.0	0.0	18.4





#43

Isopropyl Acetate

Concen: 87.586 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

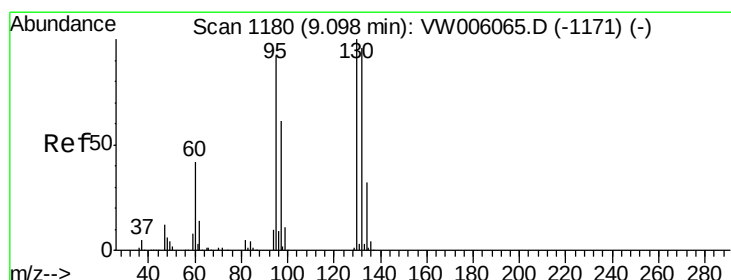
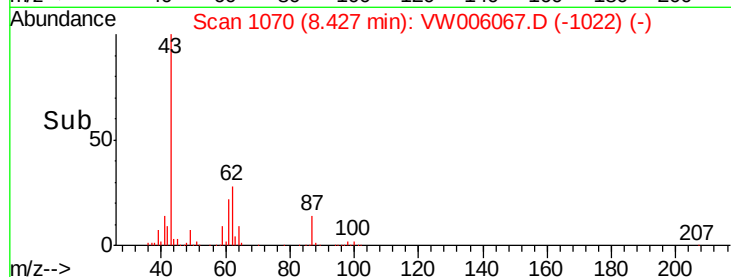
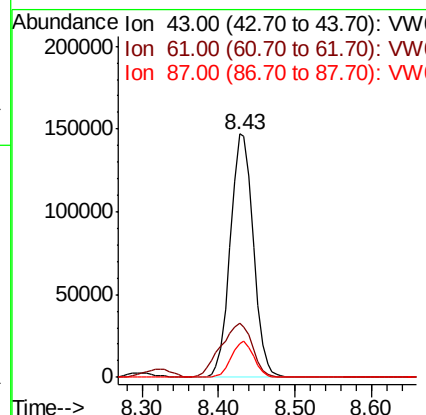
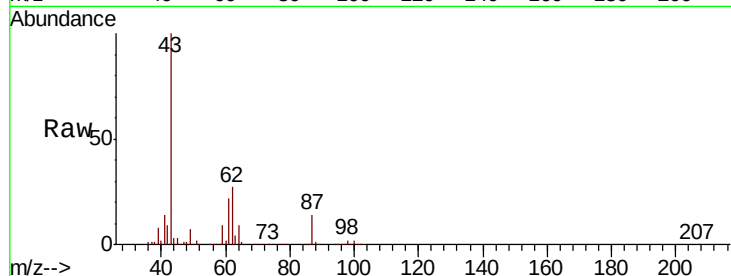
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	305385
Ion Ratio	Lower	Upper	
43	100		
61	30.6	25.5	38.3
87	14.6	11.7	17.5

Manual Integrations
APPROVED

apatel
10/16/2018 10:34:06 AM



#44

Trichloroethene

Concen: 99.672 ug/l

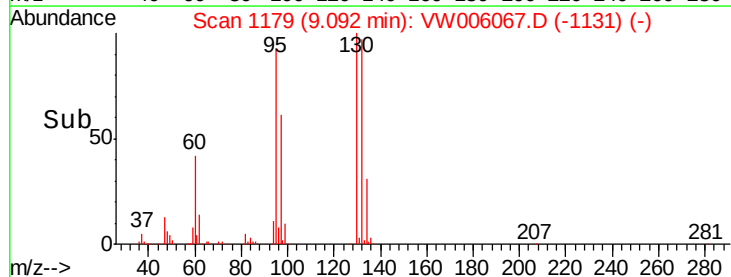
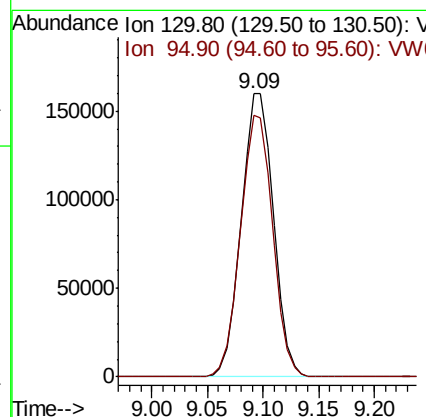
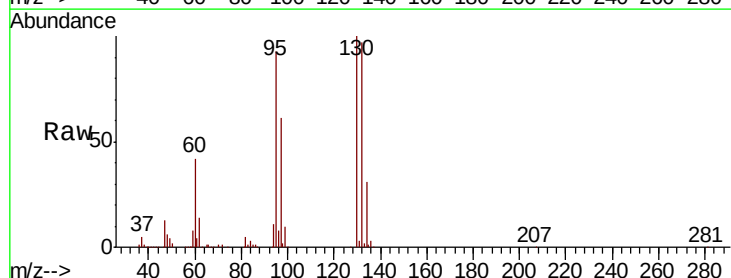
RT: 9.09 min Scan# 1179

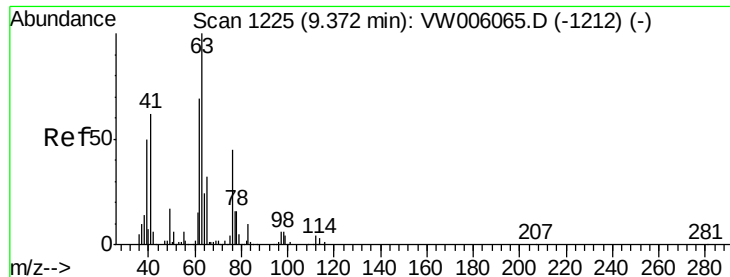
Delta R.T. -0.01 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Tgt Ion:	130	Resp:	320880
Ion Ratio	Lower	Upper	
130	100		
95	92.5	0.0	183.2





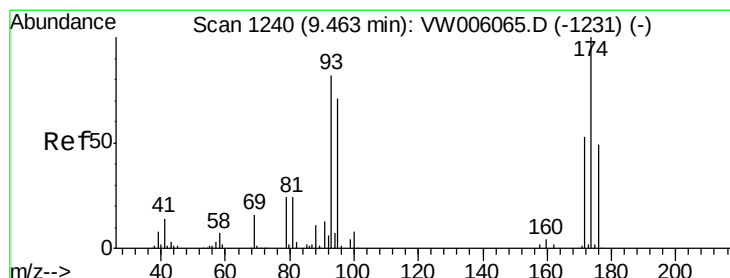
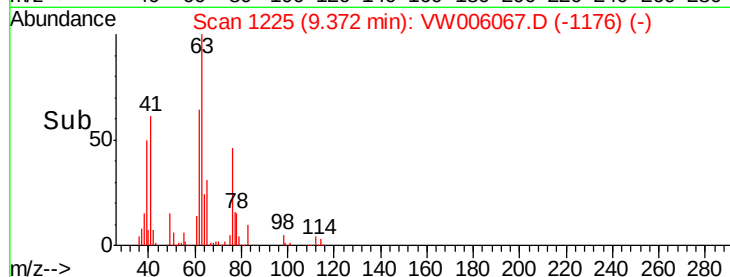
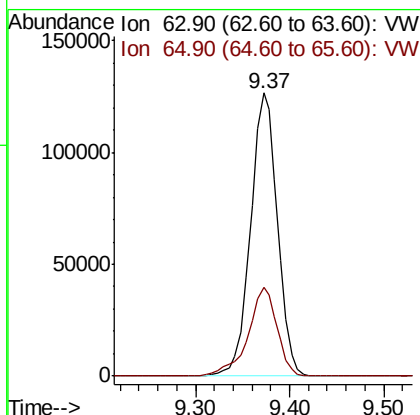
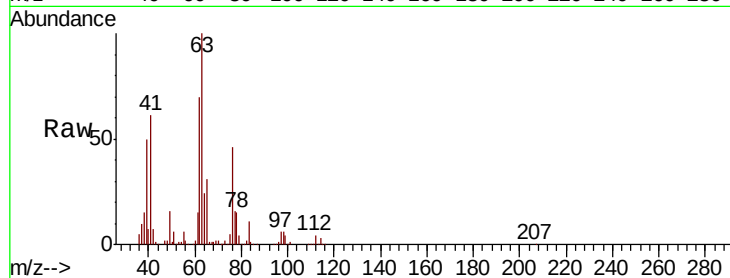
#45
 1,2-Dichloropropane
 Concen: 92.148 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.4	38.0

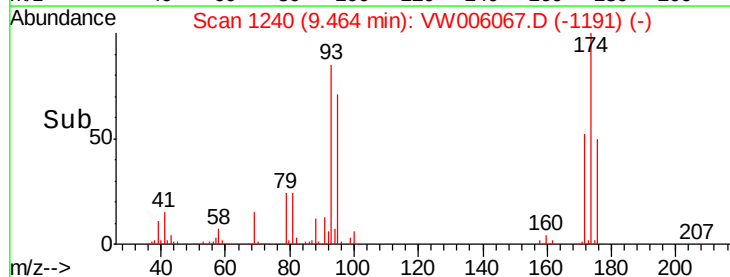
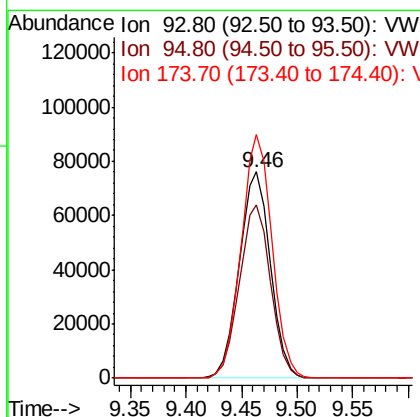
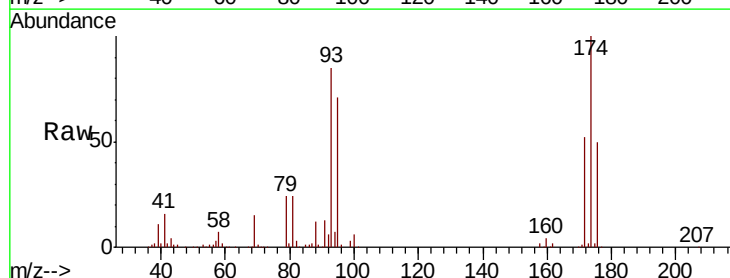
Manual Integrations
 APPROVED

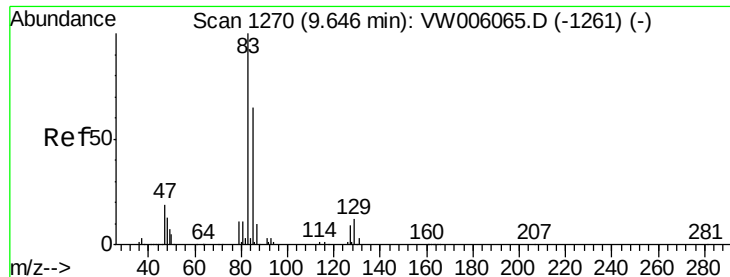
apatel
 10/16/2018 10:34:06 AM



#46
 Dibromomethane
 Concen: 96.986 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	67.7	101.5
174	117.2	93.7	140.5





#47

Bromodichloromethane

Concen: 95.225 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

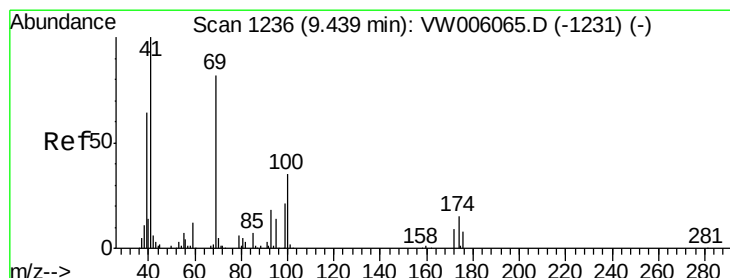
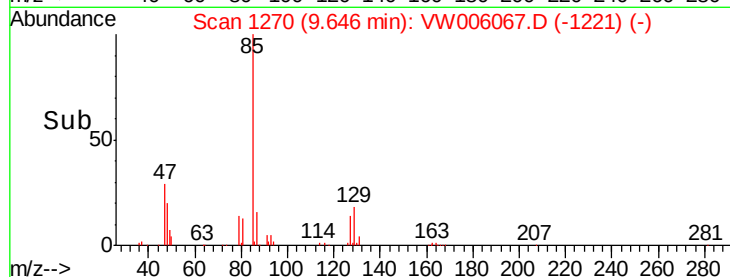
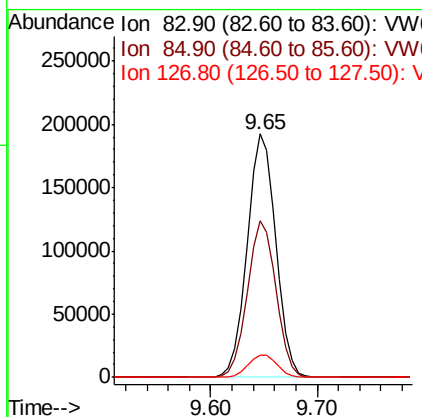
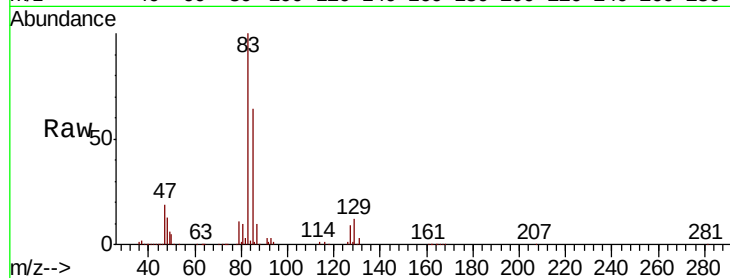
ClientSampled :

VSTDIC100

Tot Ion:	83	Resp:	362794
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.8	77.8
127	9.1	6.9	10.3

Manual Integrations
APPROVED

apatel
10/16/2018 10:34:06 AM



#48

Methyl methacrylate

Concen: 87.307 ug/l

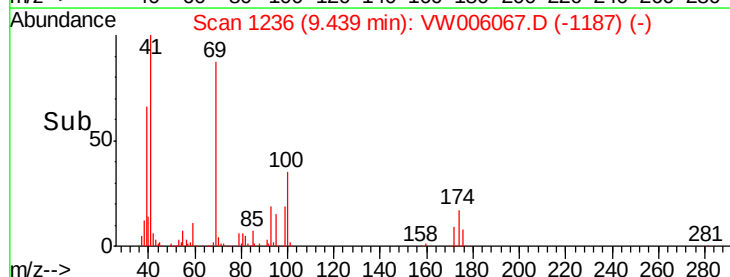
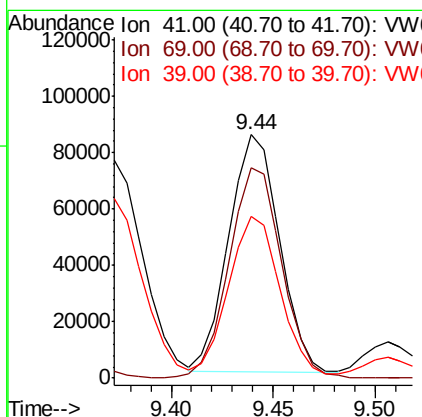
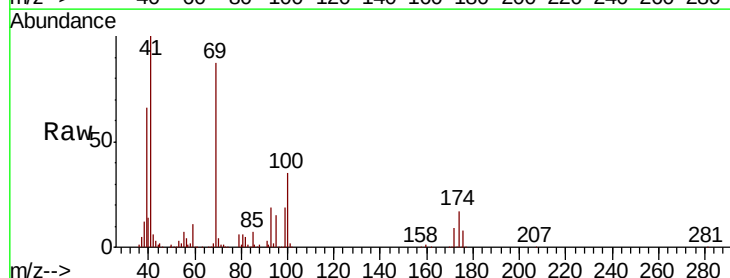
RT: 9.44 min Scan# 1236

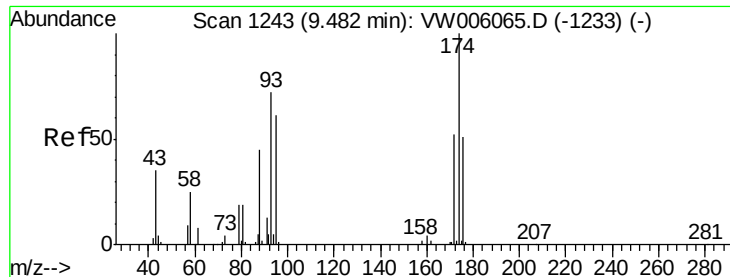
Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Tgt Ion:	41	Resp:	145403
Ion	Ratio	Lower	Upper
41	100		
69	92.3	71.8	107.8
39	65.8	52.5	78.7





#49

1,4-Dioxane

Concen: 1984.500 ug/l

RT: 9.48 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

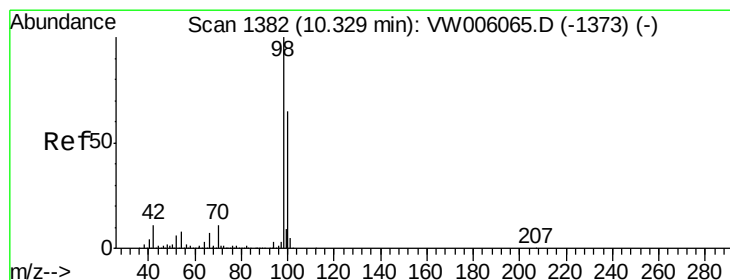
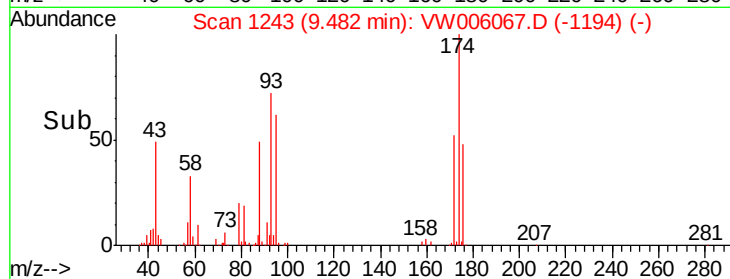
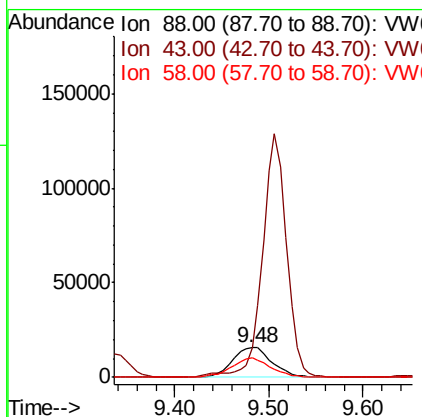
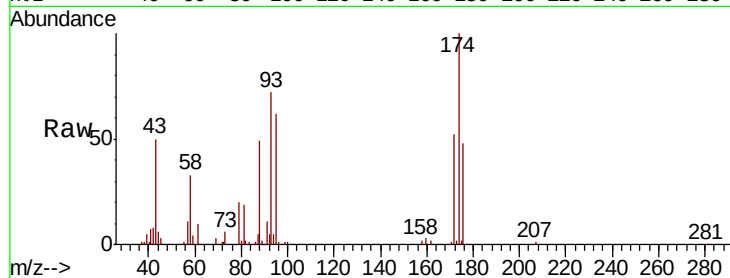
ClientSampleId :

VSTDIC100

Tot Ion:	88	Resp:	46043
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	65.0	51.2	76.8

Manual Integrations
APPROVED

apatel
10/16/2018 10:34:06 AM



#50

Toluene-d8

Concen: 89.964 ug/l

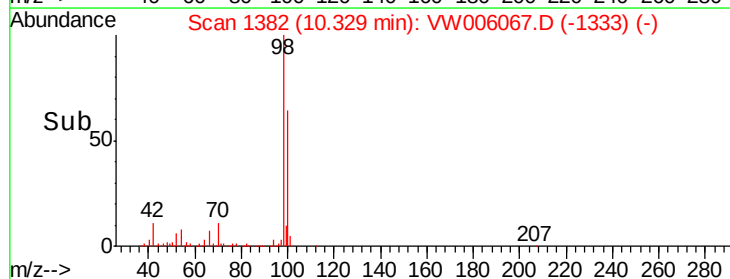
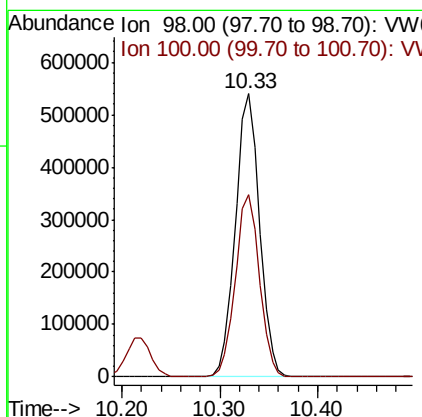
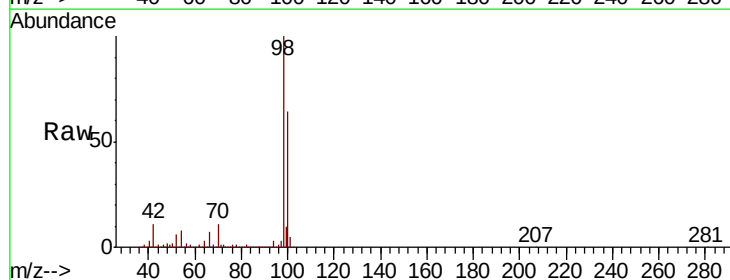
RT: 10.33 min Scan# 1382

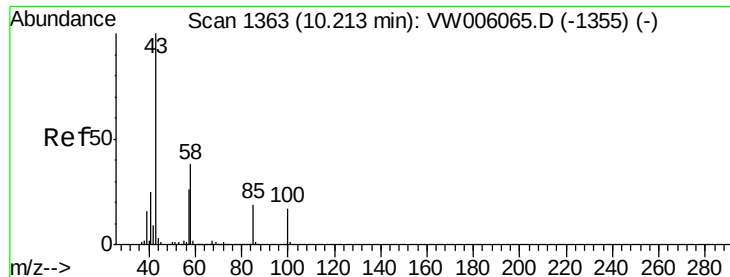
Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Tgt Ion:	98	Resp:	926286
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.6	77.4





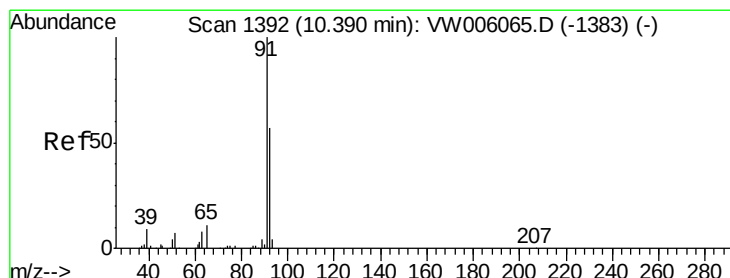
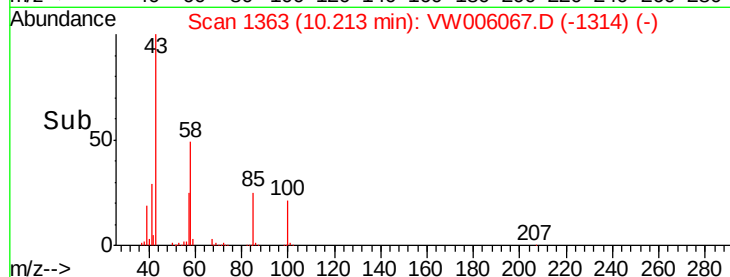
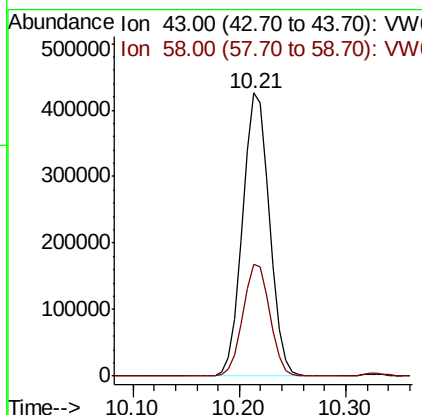
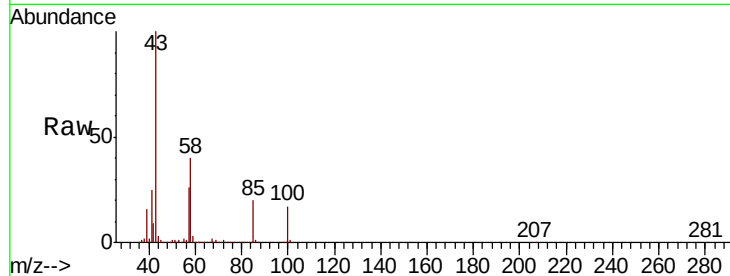
#51
4-Methyl-2-Pentanone
Concen: 444.080 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 757524
Ion Ratio Lower Upper
43 100
58 39.6 31.5 47.3

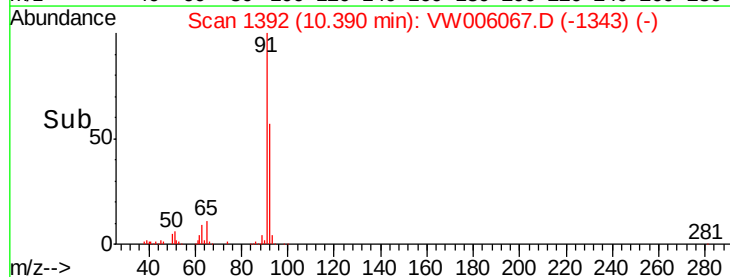
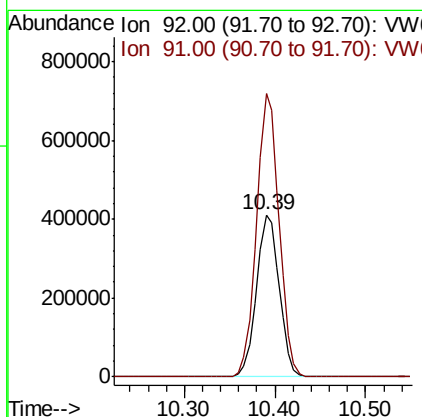
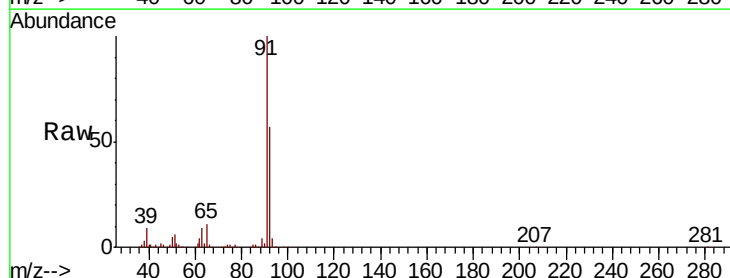
Manual Integrations
APPROVED

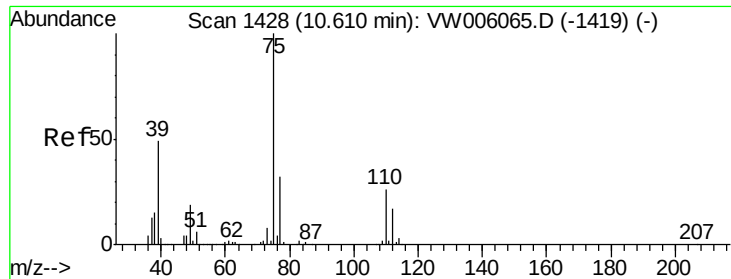
apatel
10/16/2018 10:34:06 AM



#52
Toluene
Concen: 97.786 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion: 92 Resp: 711210
Ion Ratio Lower Upper
92 100
91 173.0 140.0 210.0





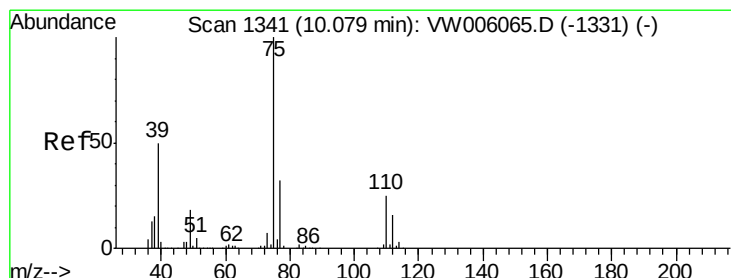
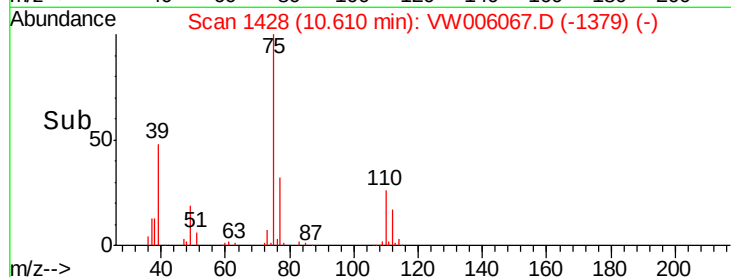
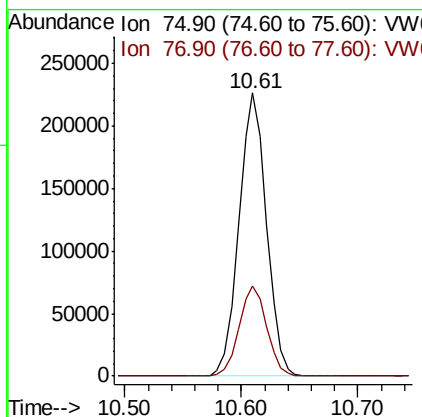
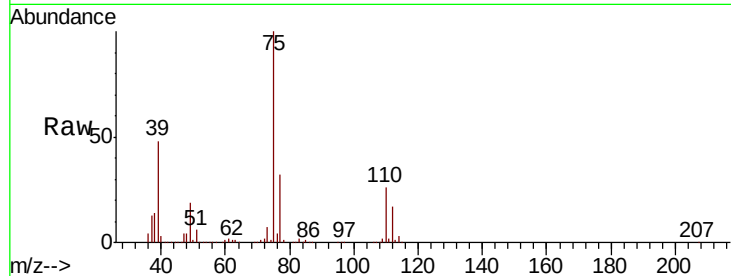
#53
t-1,3-Dichloropropene
Concen: 94.090 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 371470
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2

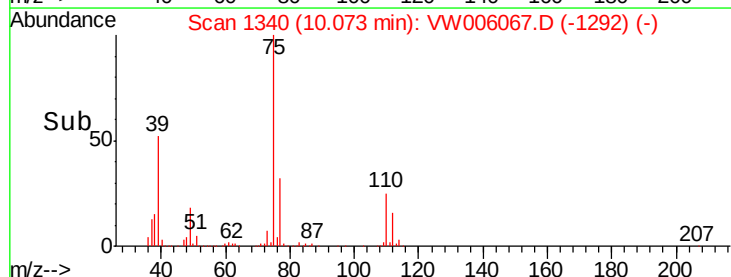
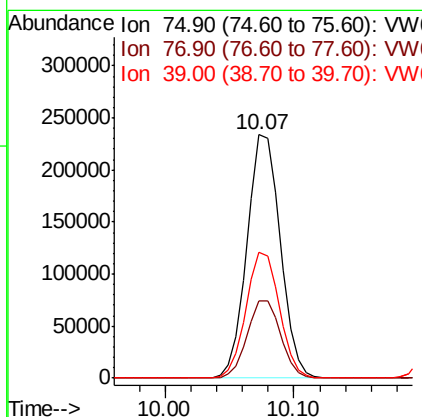
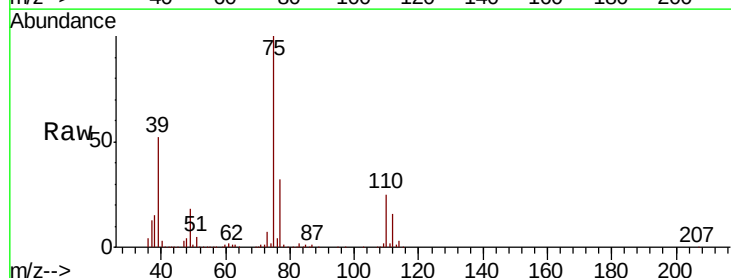
Manual Integrations
APPROVED

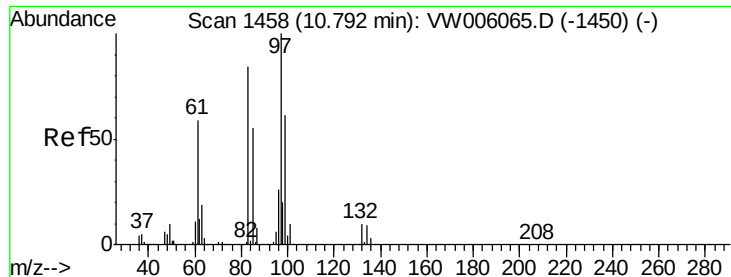
apatel
10/16/2018 10:34:06 AM



#54
cis-1,3-Dichloropropene
Concen: 93.730 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.01 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion: 75 Resp: 417612
Ion Ratio Lower Upper
75 100
77 31.6 25.2 37.8
39 51.9 39.9 59.9





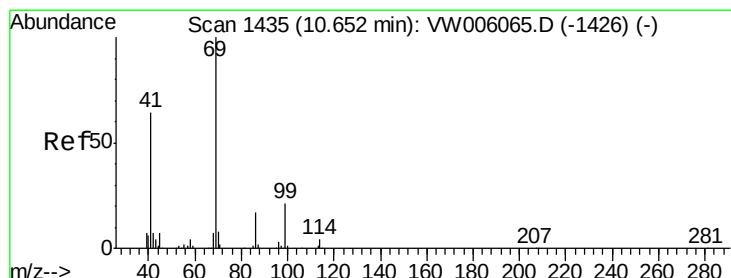
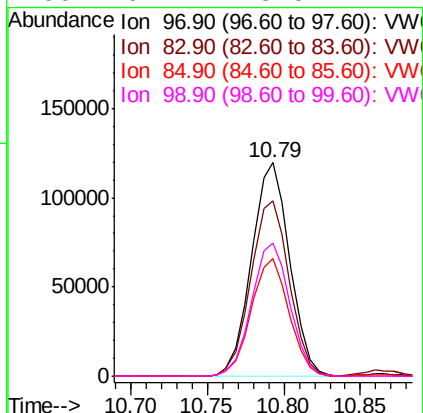
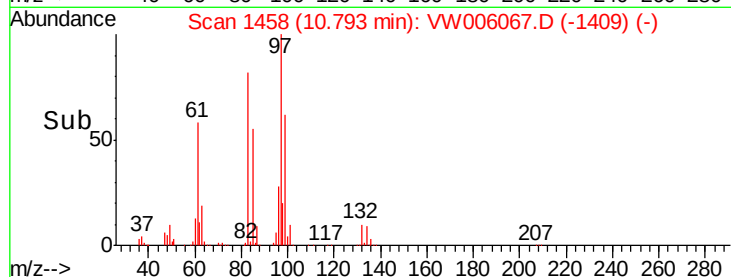
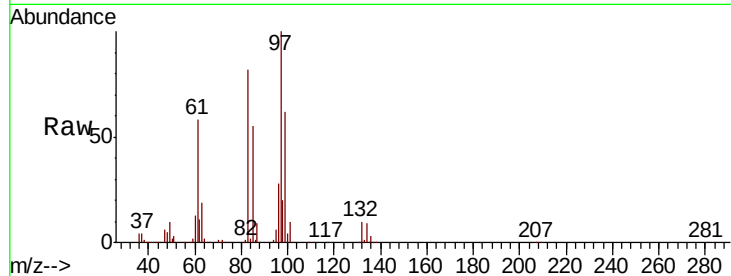
#55
 1,1,2-Trichloroethane
 Concen: 98.261 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	97	Resp	207387
Ion Ratio	Lower	Upper	
97	100		
83	82.0	67.2	100.8
85	54.9	43.7	65.5
99	62.2	48.5	72.7

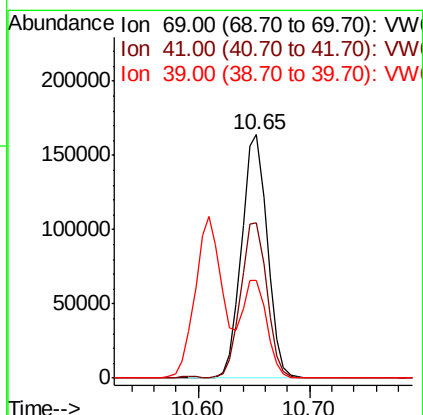
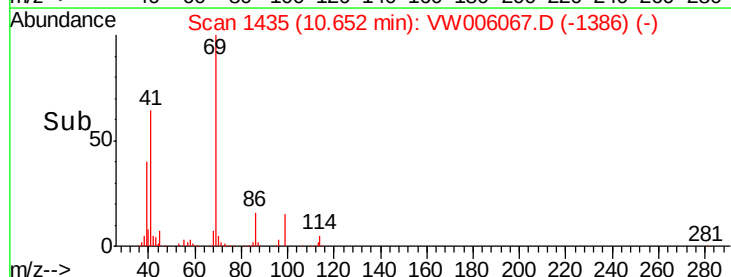
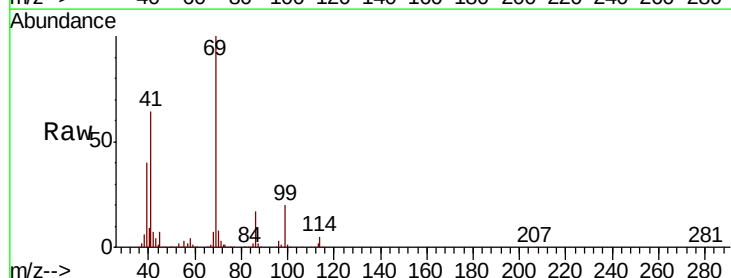
Manual Integrations
 APPROVED

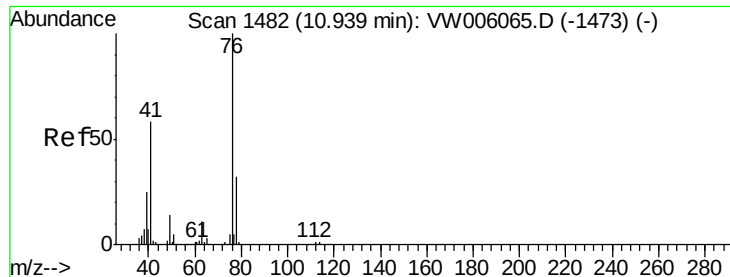
apatel
 10/16/2018 10:34:06 AM



#56
 Ethyl methacrylate
 Concen: 94.035 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

Tgt Ion	69	Resp	263702
Ion Ratio	Lower	Upper	
69	100		
41	64.9	52.8	79.2
39	36.8	30.6	45.8





#57

1,3-Dichloropropane

Concen: 95.644 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 338406

Ion Ratio Lower Upper

76 100

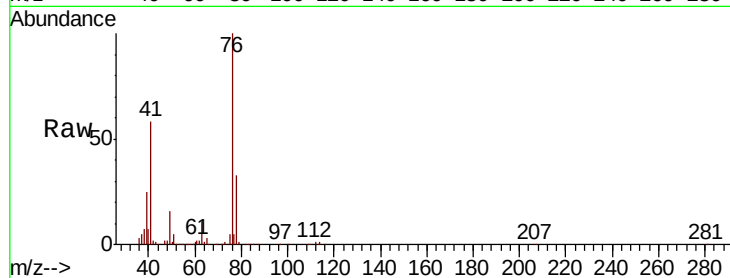
78 32.4 25.9 38.9

Manual Integrations

APPROVED

apatel

10/16/2018 10:34:06 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.94

200000

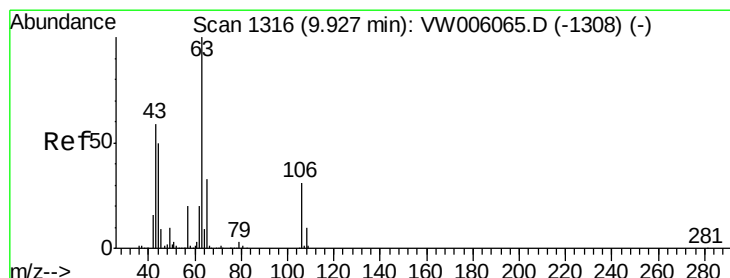
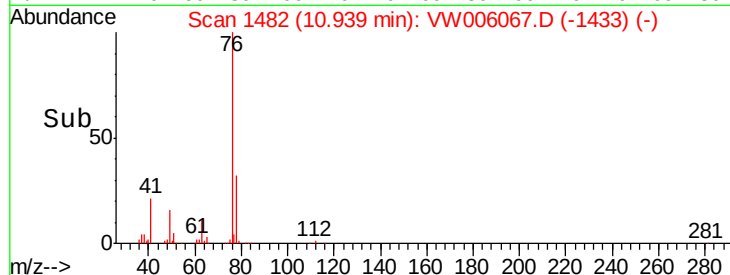
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 414.671 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW006067.D

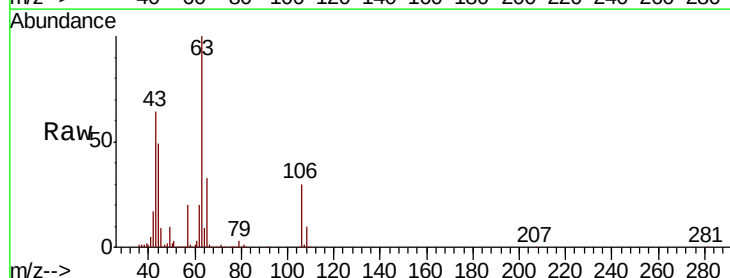
Acq: 15 Oct 2018 19:12

Tgt Ion: 63 Resp: 469122

Ion Ratio Lower Upper

63 100

106 30.8 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.93

300000

250000

200000

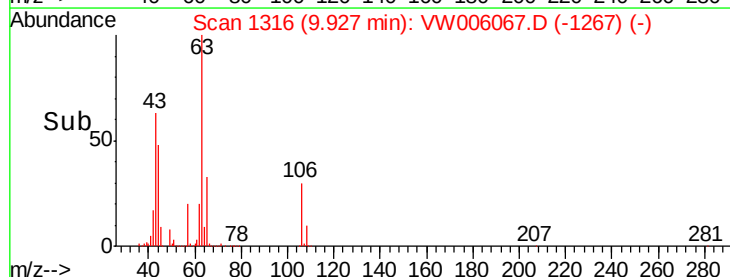
150000

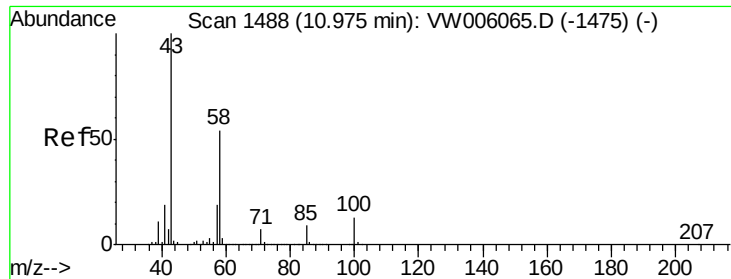
100000

50000

0

Time-->





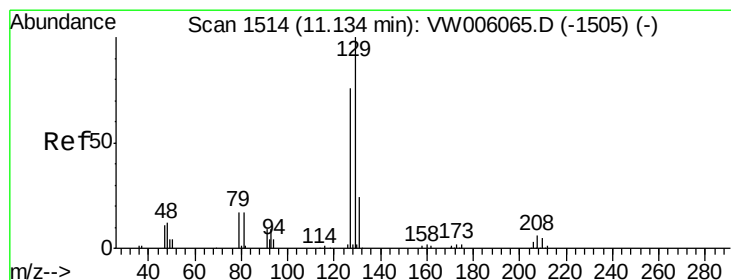
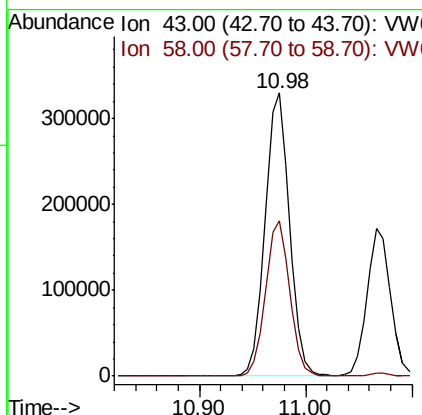
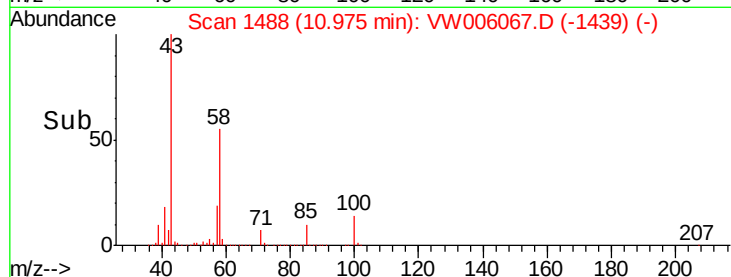
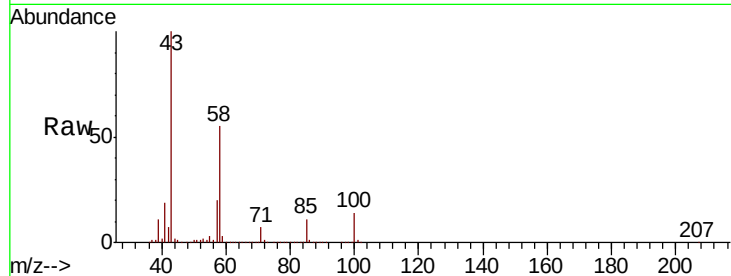
#59
2-Hexanone
Concen: 436.013 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 530414
Ion Ratio Lower Upper
43 100
58 54.5 26.9 80.6

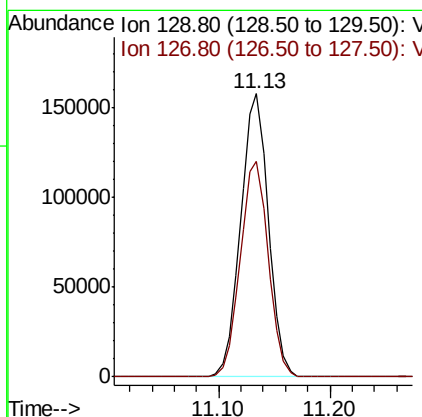
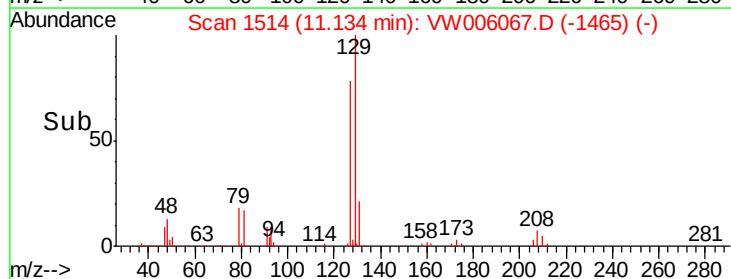
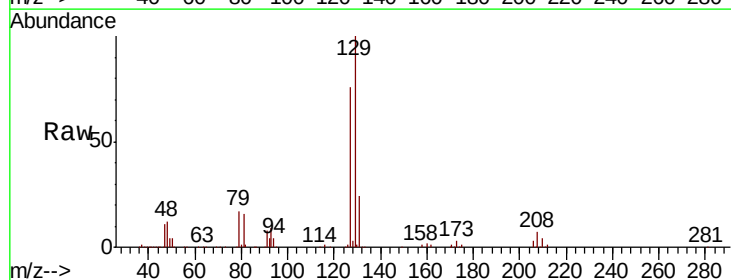
Manual Integrations
APPROVED

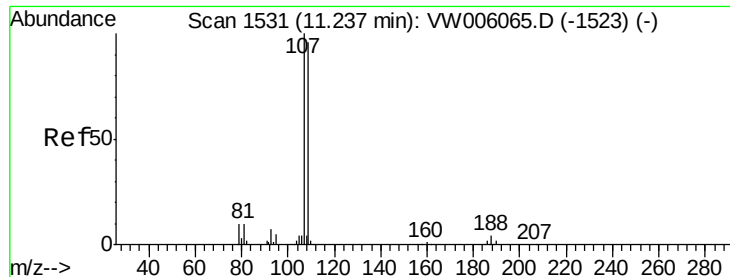
apatel
10/16/2018 10:34:06 AM



#60
Dibromochloromethane
Concen: 100.049 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion: 129 Resp: 271411
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.7





#61

1,2-Dibromoethane

Concen: 100.015 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 107 Resp: 211110

Ion Ratio Lower Upper

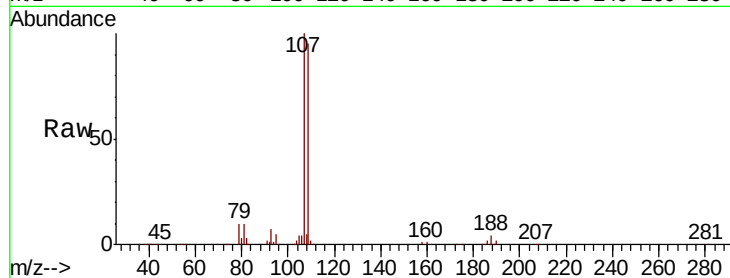
107 100

109 94.0 76.3 114.5

Manual Integrations
APPROVED

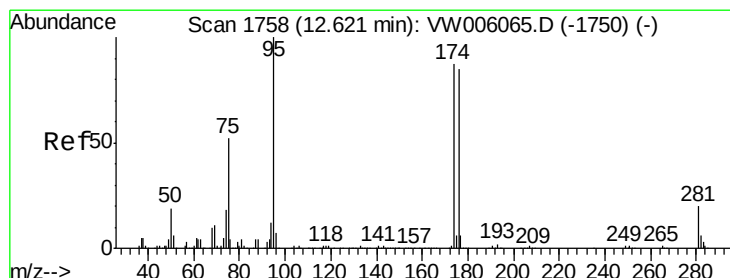
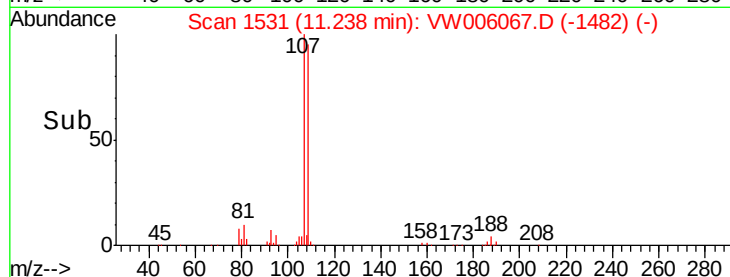
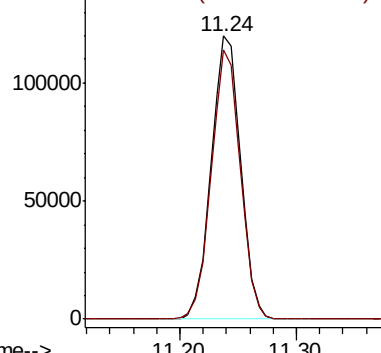
apatel

10/16/2018 10:34:06 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 90.153 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

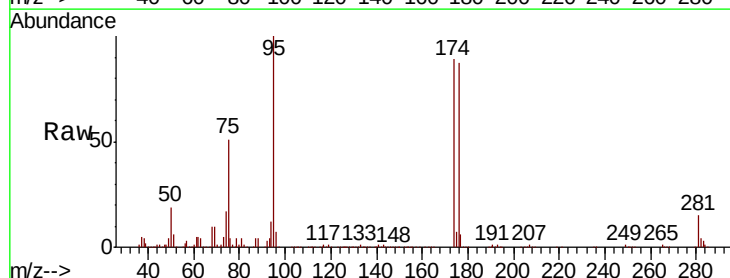
Tgt Ion: 95 Resp: 352874

Ion Ratio Lower Upper

95 100

174 93.1 0.0 186.0

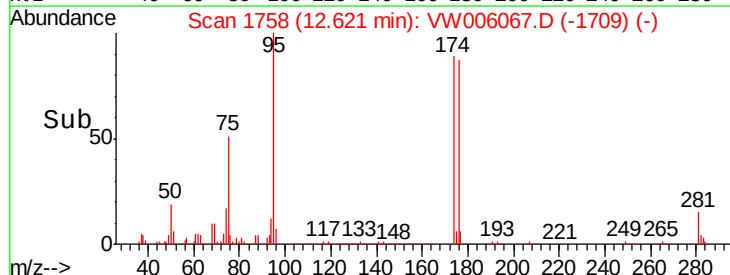
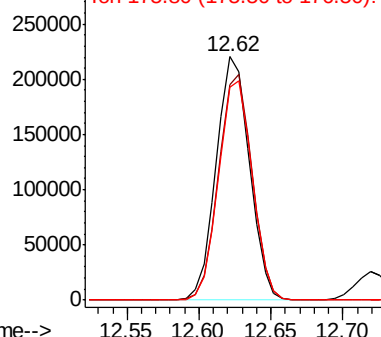
176 91.1 0.0 181.6

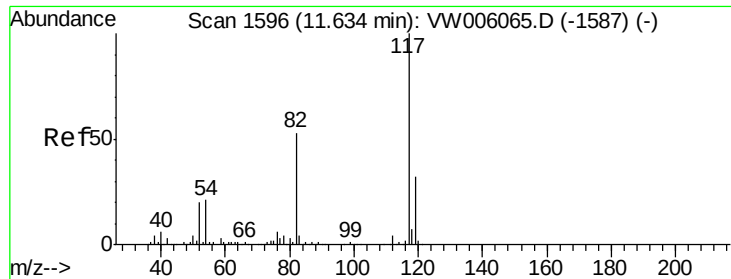


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





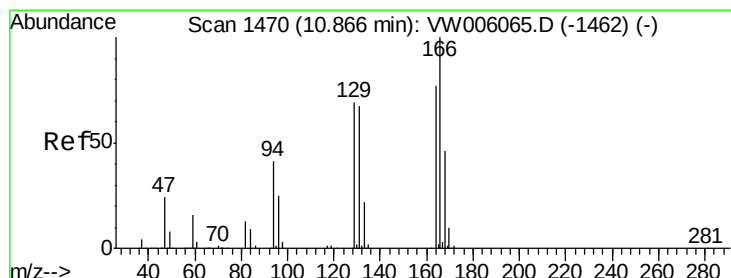
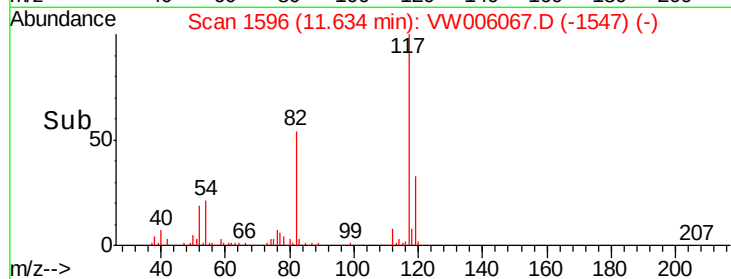
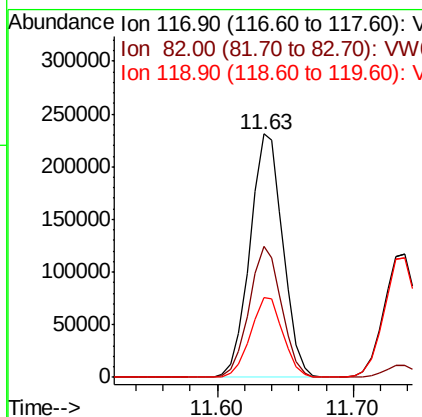
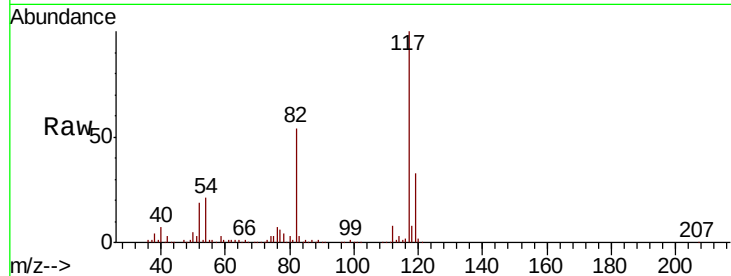
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	391708		
82	53.6	42.1	63.1	
119	32.5	25.8	38.6	

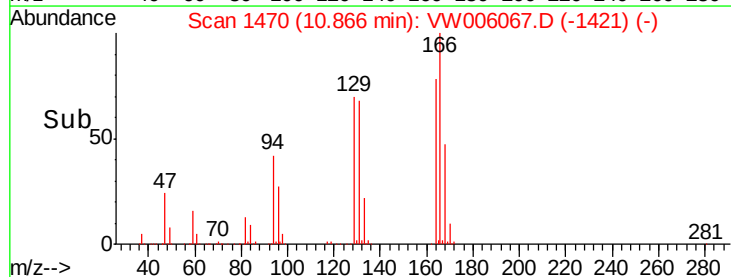
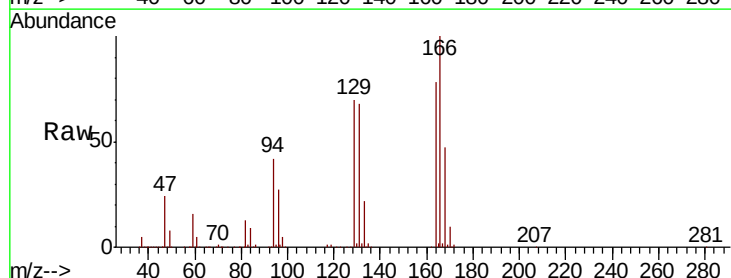
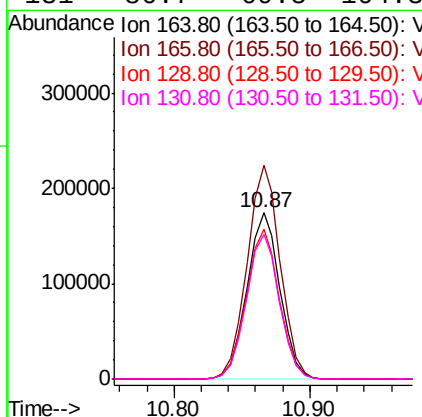
Manual Integrations
APPROVED

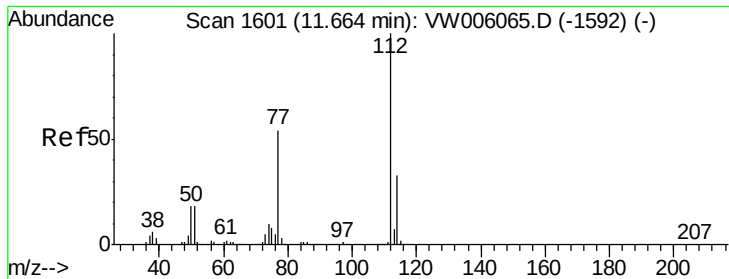
apatel
10/16/2018 10:34:06 AM



#64
Tetrachloroethene
Concen: 101.427 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	295372		
166	128.4	103.4	155.0	
129	90.2	71.8	107.8	
131	86.7	69.5	104.3	





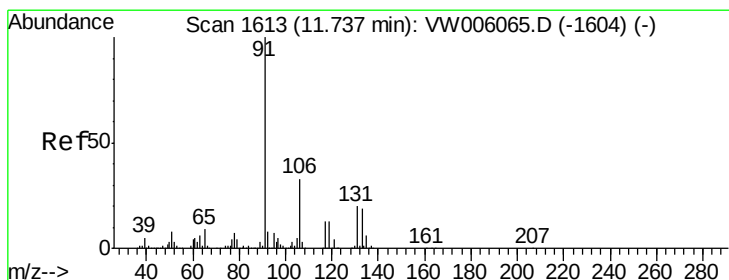
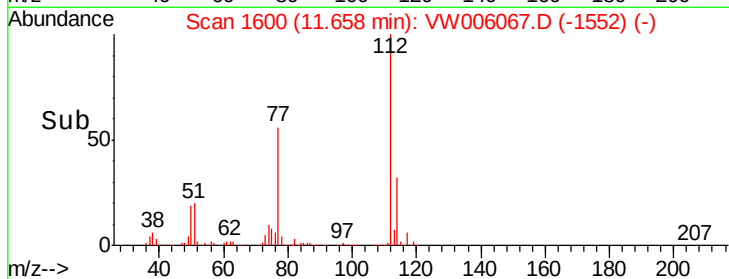
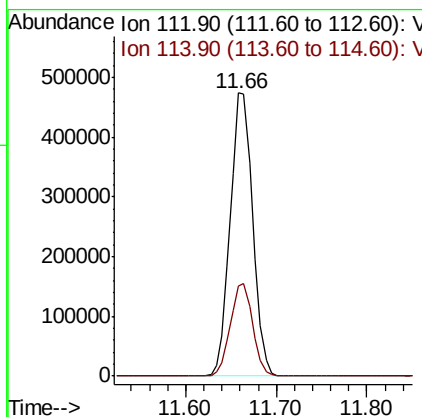
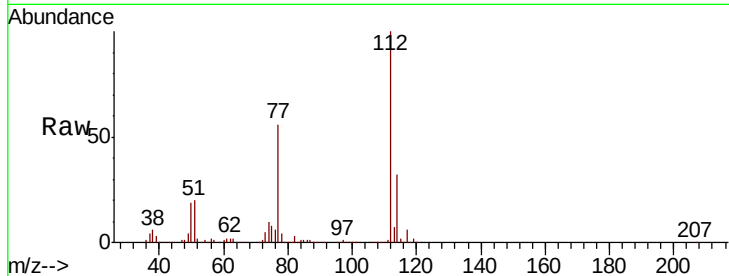
#65
Chlorobenzene
Concen: 98.187 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.2	39.2

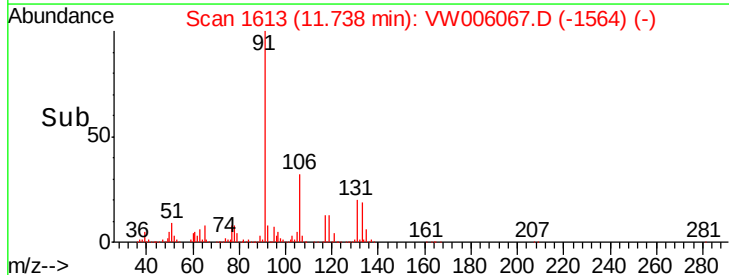
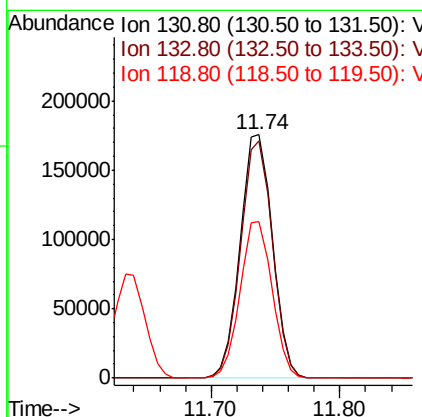
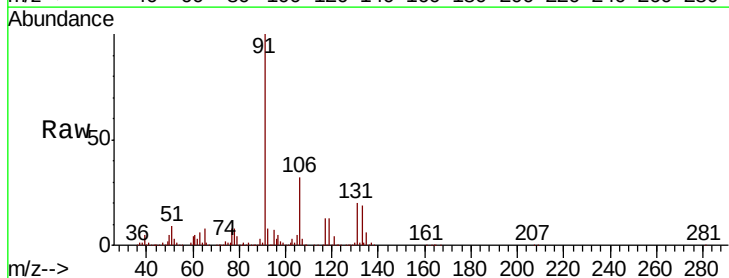
Manual Integrations
APPROVED

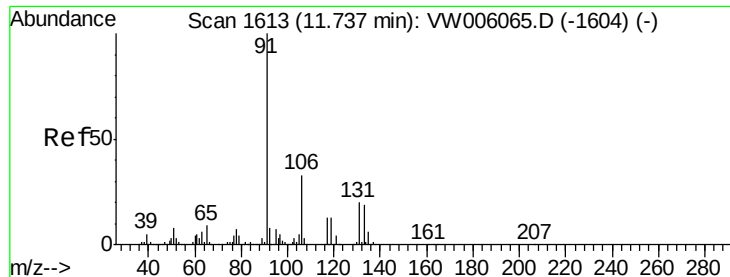
apatel
10/16/2018 10:34:06 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 100.115 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.1	144.3
119	63.7	31.6	94.7





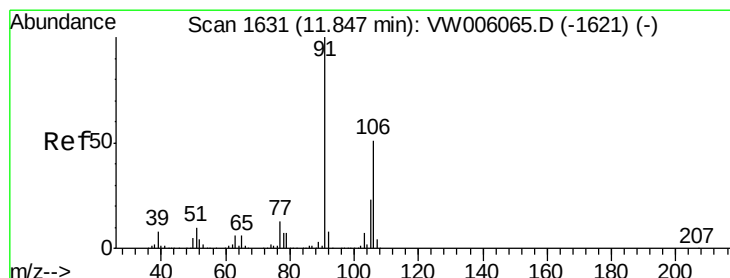
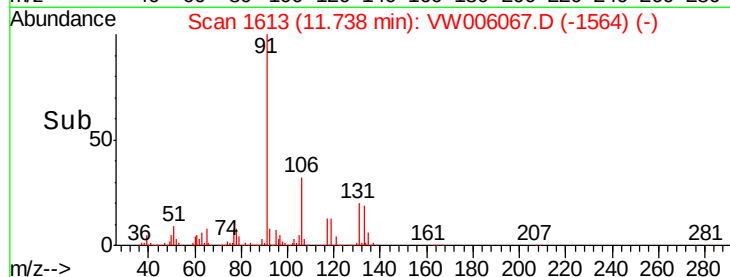
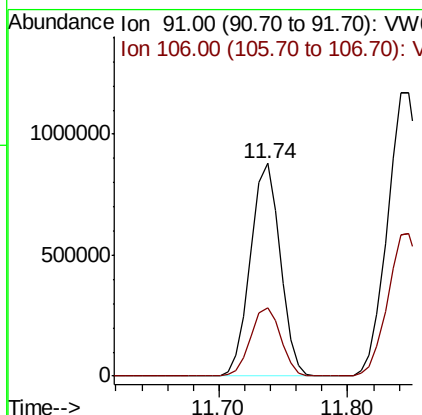
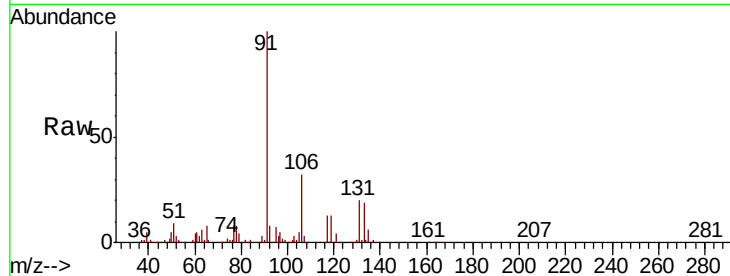
#67
Ethyl Benzene
Concen: 96.129 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1406124
Ion Ratio Lower Upper
91 100
106 32.4 26.1 39.1

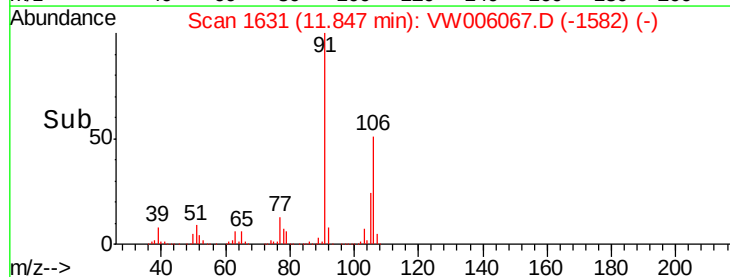
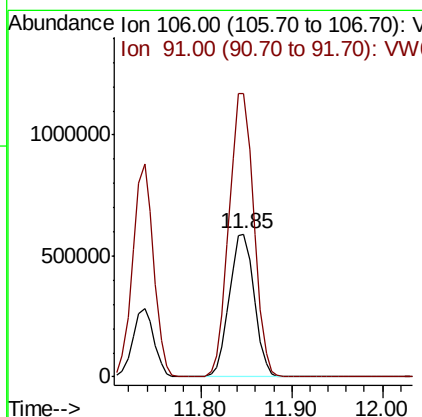
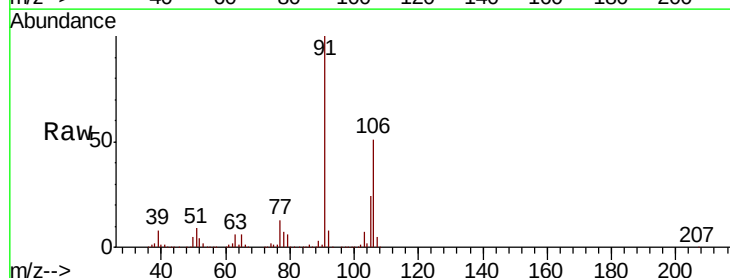
Manual Integrations
APPROVED

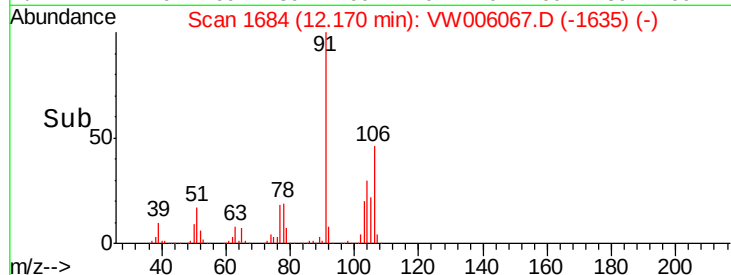
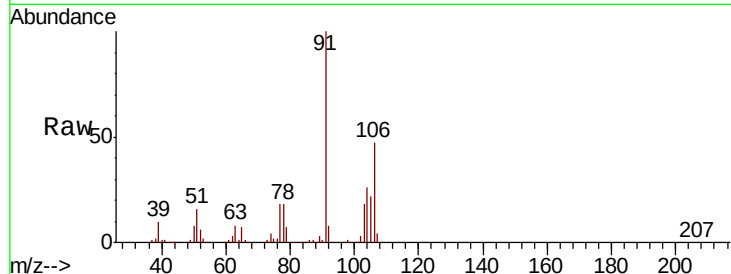
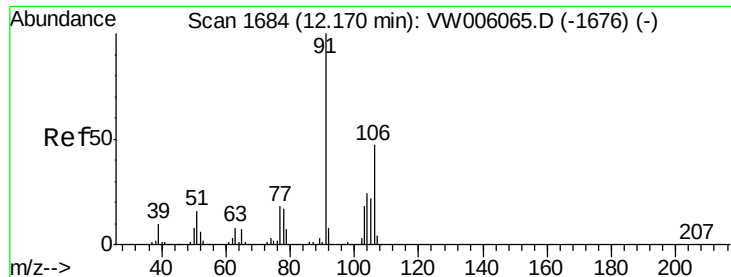
apatel
10/16/2018 10:34:06 AM



#68
m/p-Xylenes
Concen: 196.387 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion: 106 Resp: 1125932
Ion Ratio Lower Upper
106 100
91 198.1 159.1 238.7





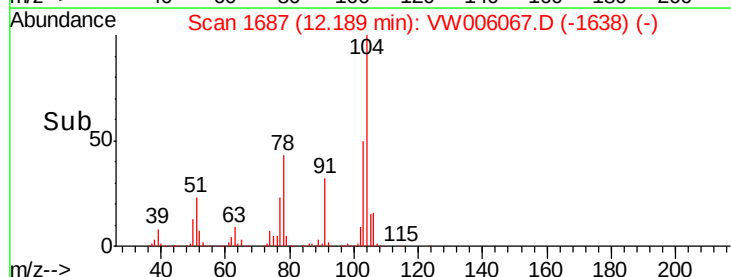
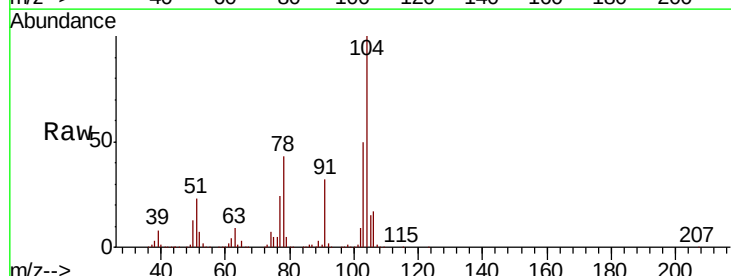
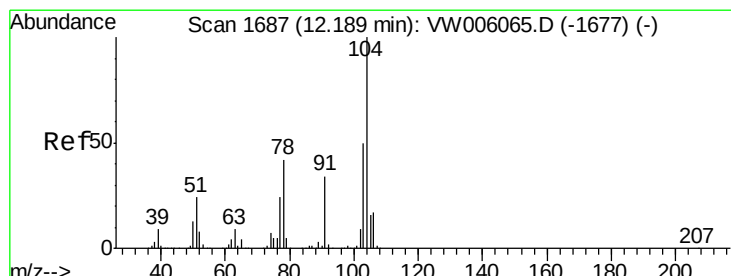
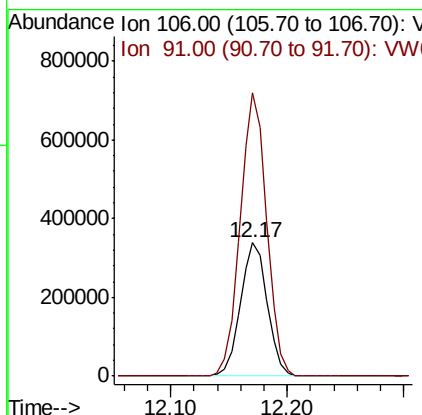
#69
o-Xylene
Concen: 98.660 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	542001		
91	91	210.2	105.4	316.1	

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

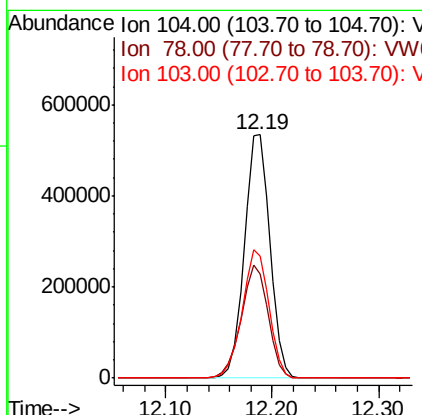
Manual Integrations
APPROVED

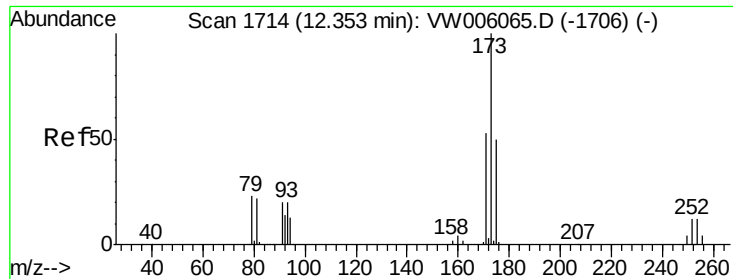
apatel
10/16/2018 10:34:06 AM



#70
Styrene
Concen: 98.823 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	898976		
78	78	49.0	39.1	58.7	
103	103	55.3	44.3	66.5	





#71

Bromoform

Concen: 99.393 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 179158

Ion Ratio Lower Upper

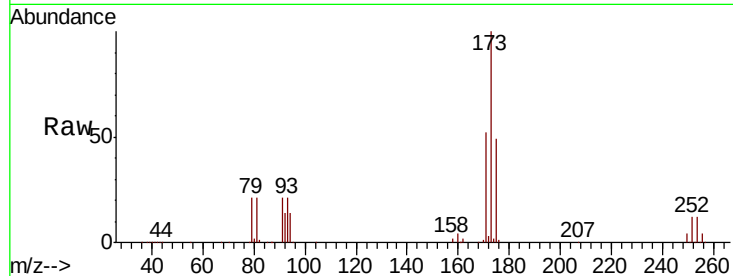
173 100

175 49.2 24.2 72.6

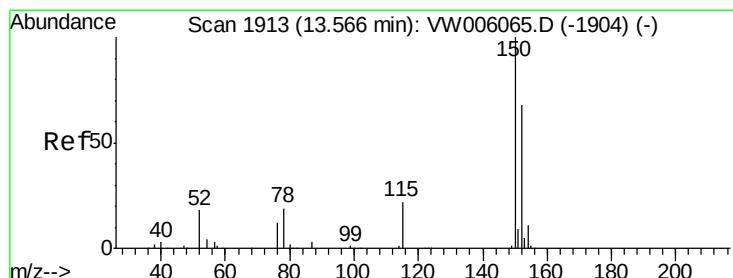
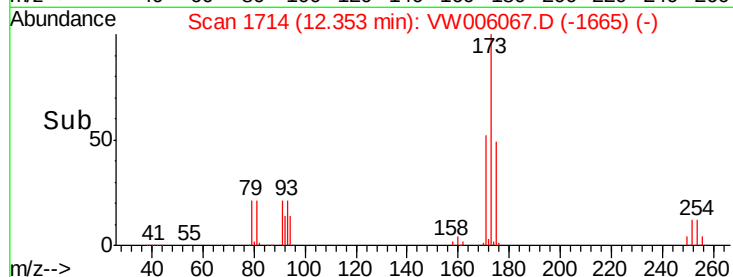
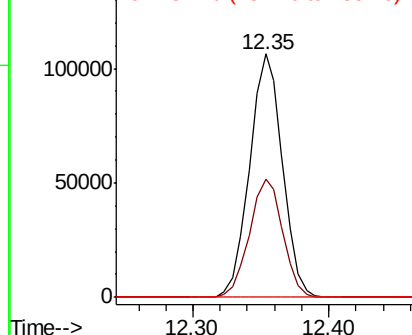
254 0.1 0.1 0.1#

Manual Integrations
APPROVED

apatel
10/16/2018 10:34:06 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

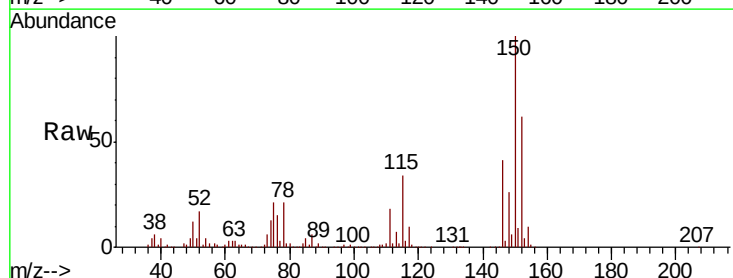
Tgt Ion:152 Resp: 222915

Ion Ratio Lower Upper

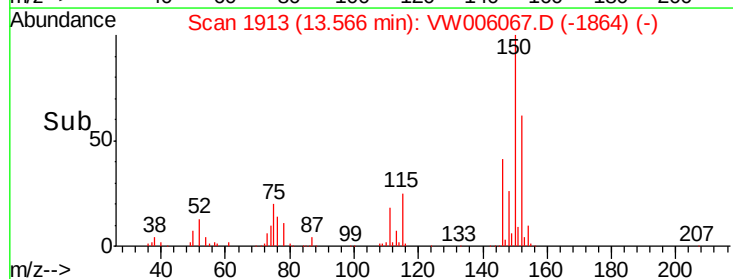
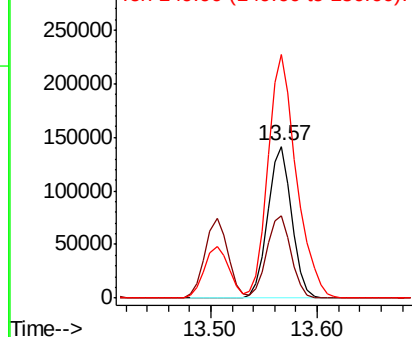
152 100

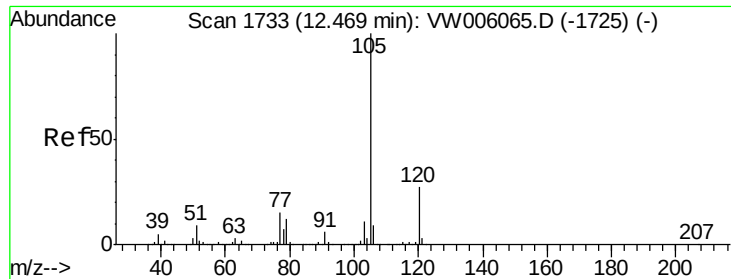
115 55.2 27.8 83.3

150 189.3 0.0 349.2



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





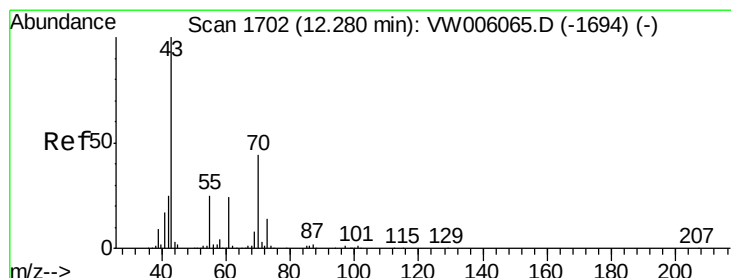
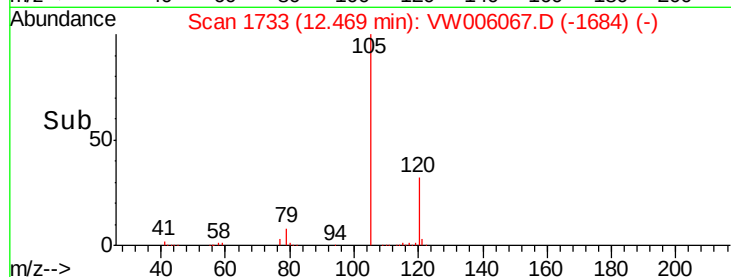
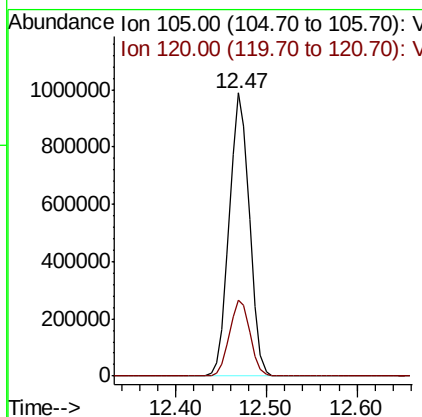
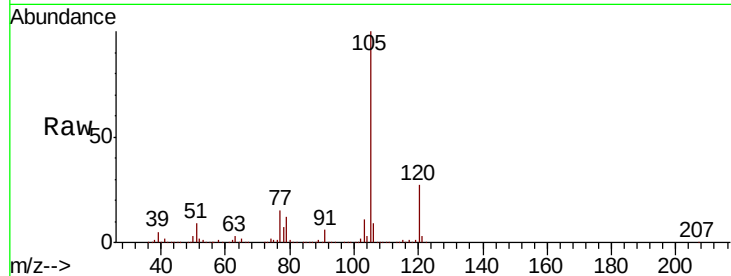
#73
Isopropylbenzene
Concen: 94.901 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 1525113
Ion Ratio Lower Upper
105 100
120 27.4 13.6 40.7

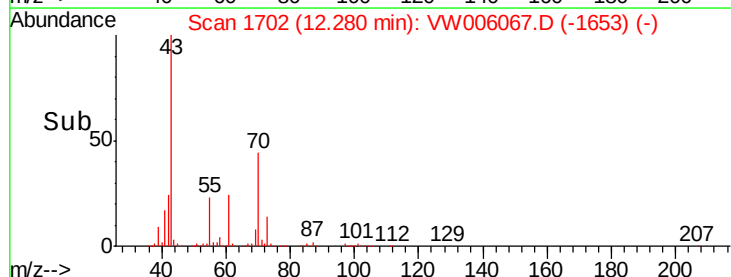
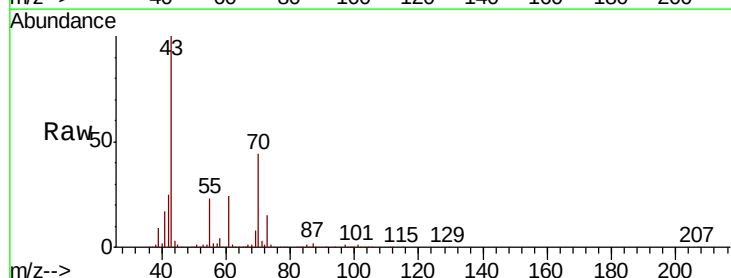
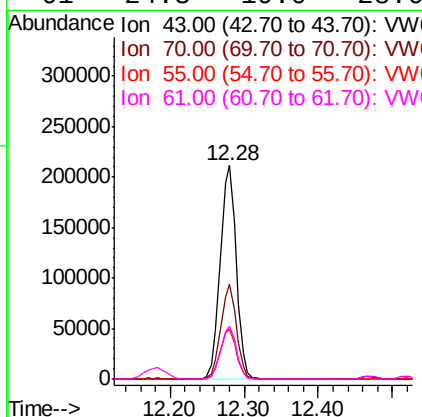
Manual Integrations
APPROVED

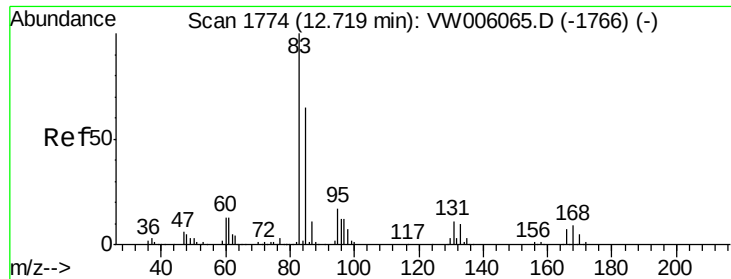
apatel
10/16/2018 10:34:06 AM



#74
N-ethyl acetate
Concen: 84.045 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion: 43 Resp: 312847
Ion Ratio Lower Upper
43 100
70 43.5 34.2 51.4
55 23.6 19.2 28.8
61 24.3 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 91.728 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

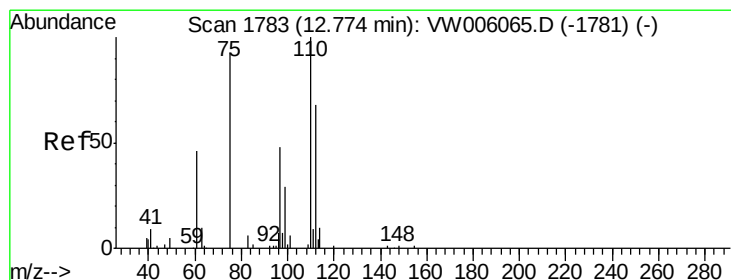
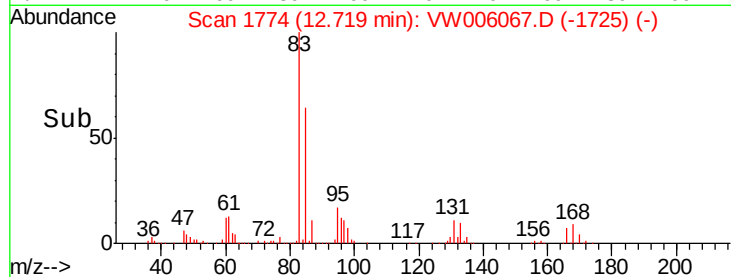
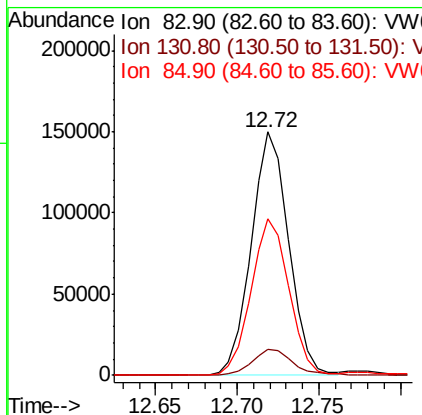
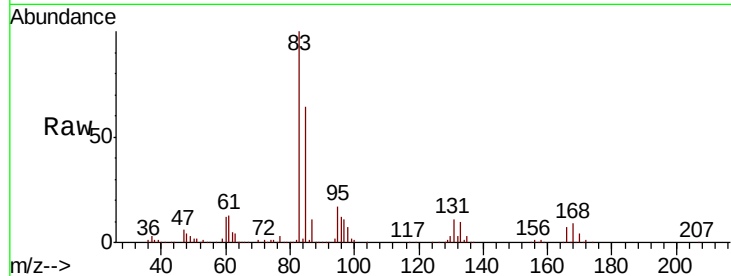
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	240118
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.9	17.7
85	64.8	31.9	95.9

Manual Integrations
APPROVED

apatel
10/16/2018 10:34:06 AM



#76

1,2,3-Trichloropropane

Concen: 81.644 ug/l m

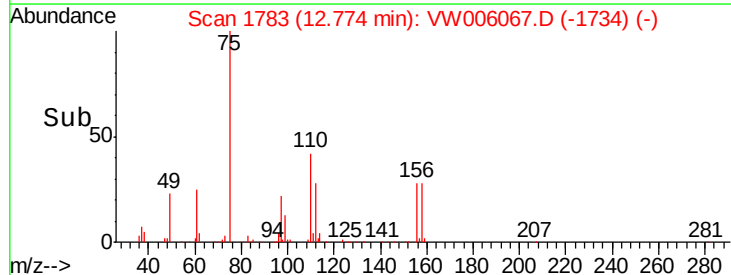
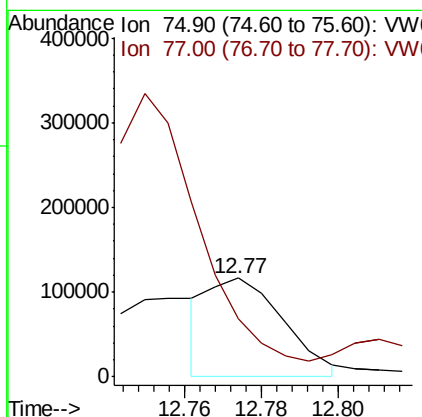
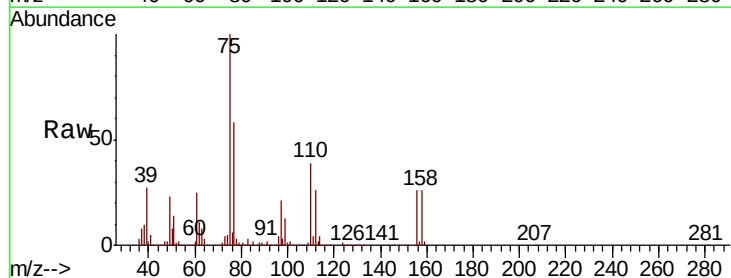
RT: 12.77 min Scan# 1783

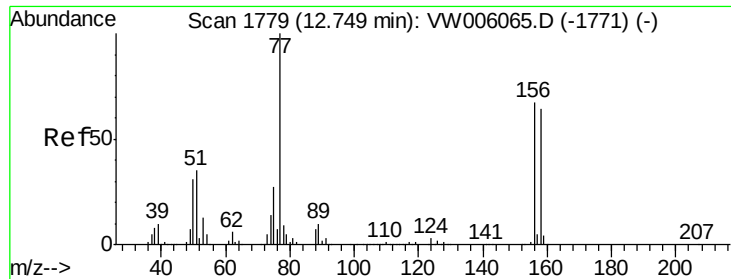
Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Tgt Ion:	75	Resp:	156832
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





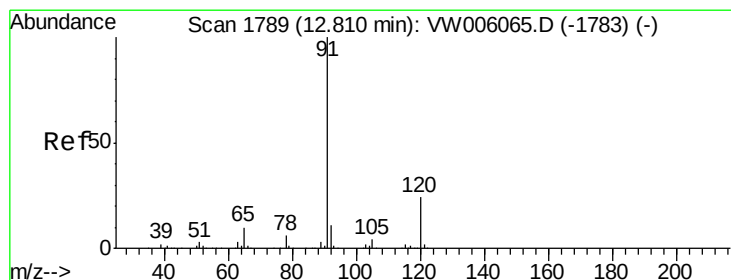
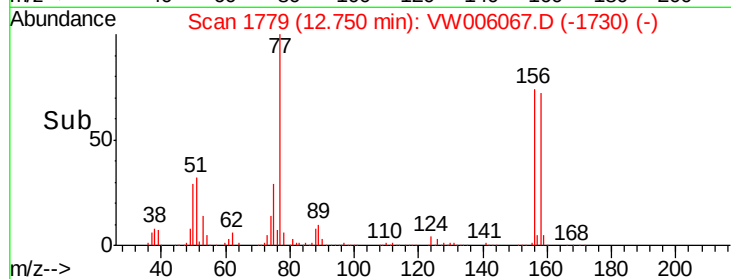
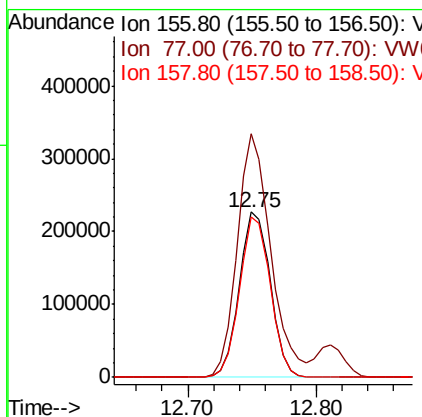
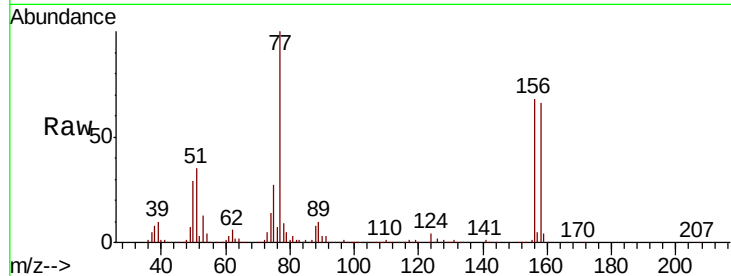
#77
Bromobenzene
Concen: 98.186 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	160.0	79.1	237.4
158	96.7	48.5	145.6

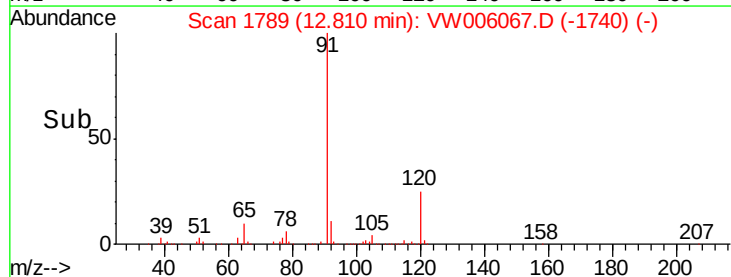
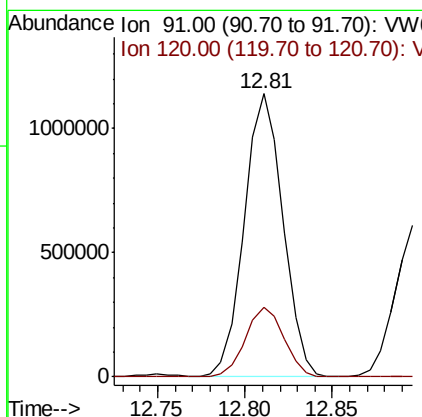
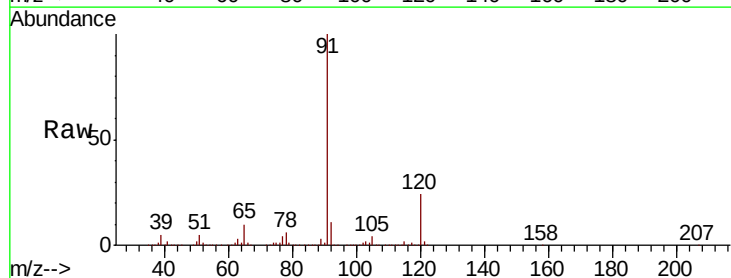
Manual Integrations
APPROVED

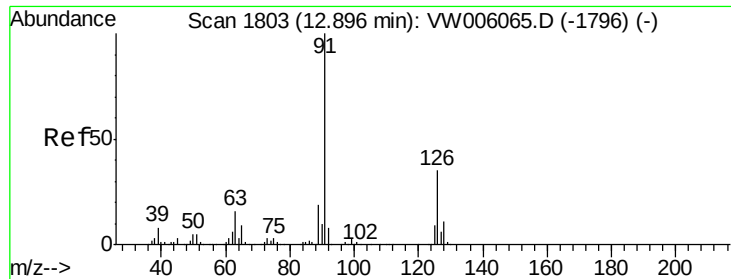
apatel
10/16/2018 10:34:06 AM



#78
n-propylbenzene
Concen: 92.691 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.6	12.2	36.6





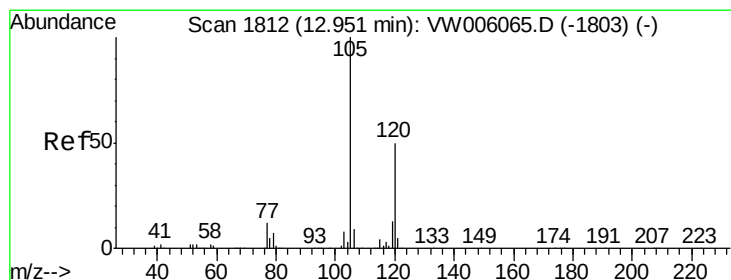
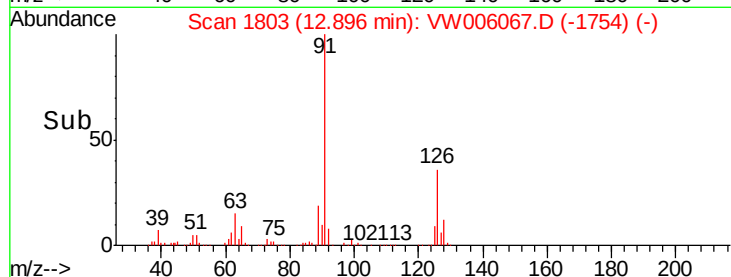
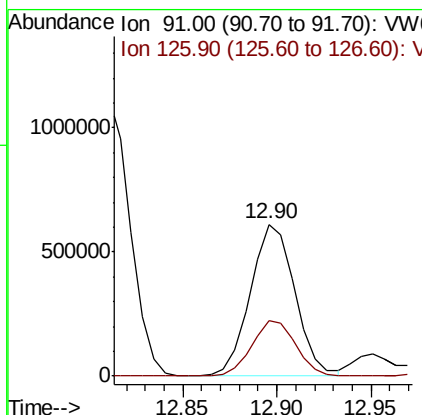
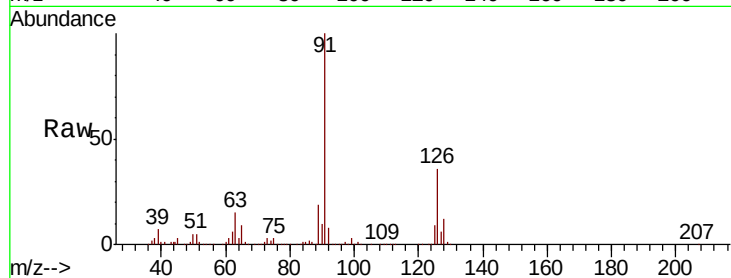
#79
2-Chlorotoluene
Concen: 93.834 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1001726
Ion Ratio Lower Upper
91 100
126 36.4 17.9 53.8

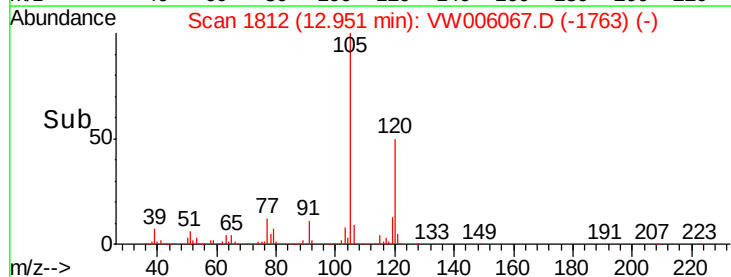
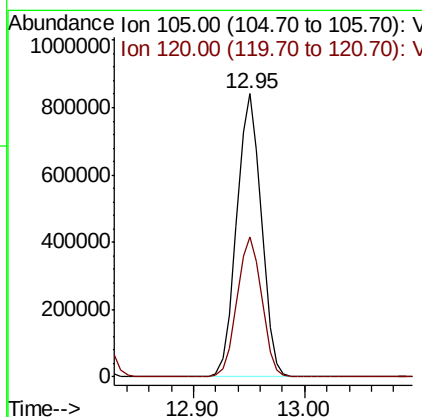
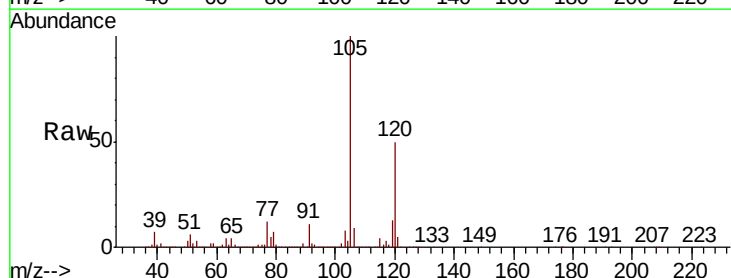
Manual Integrations
APPROVED

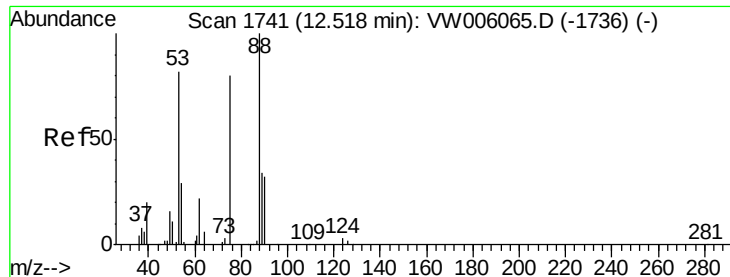
apatel
10/16/2018 10:34:06 AM



#80
1,3,5-Trimethylbenzene
Concen: 94.540 ug/l
RT: 12.95 min Scan# 1812
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion:105 Resp: 1284448
Ion Ratio Lower Upper
105 100
120 49.5 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 83.731 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 75752

Ion Ratio Lower Upper

75 100

53 98.2 79.8 119.6

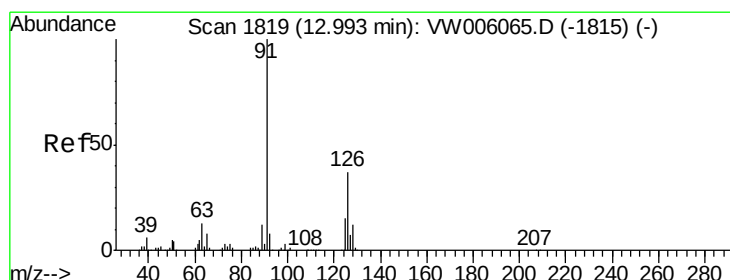
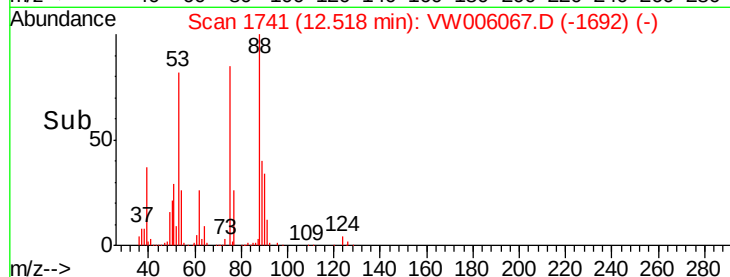
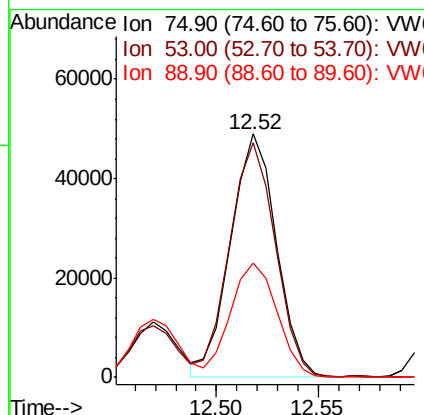
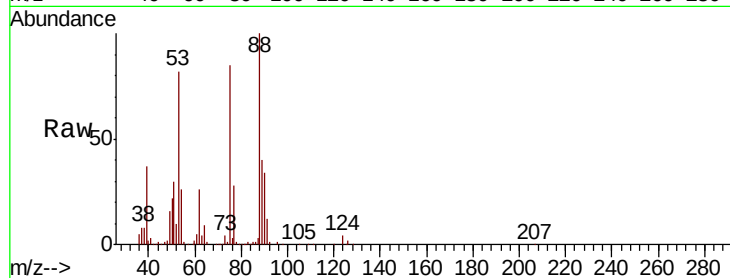
89 48.1 37.5 56.3

Manual Integrations

APPROVED

apatel

10/16/2018 10:34:06 AM



#82

4-Chlorotoluene

Concen: 92.708 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006067.D

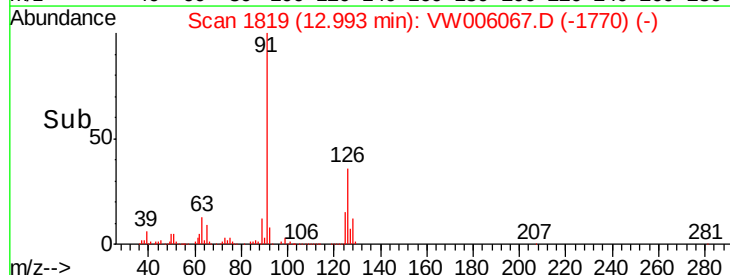
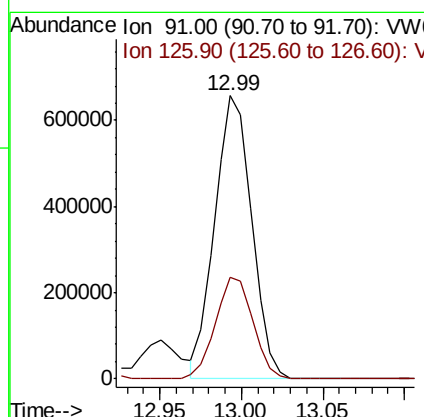
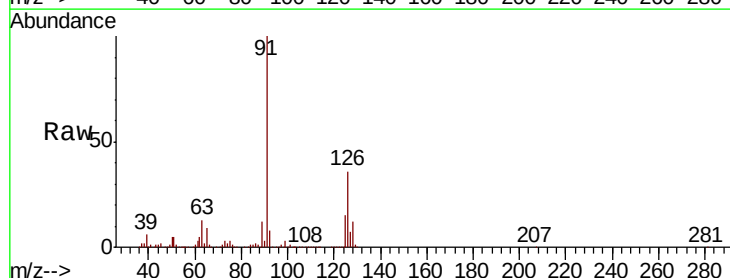
Acq: 15 Oct 2018 19:12

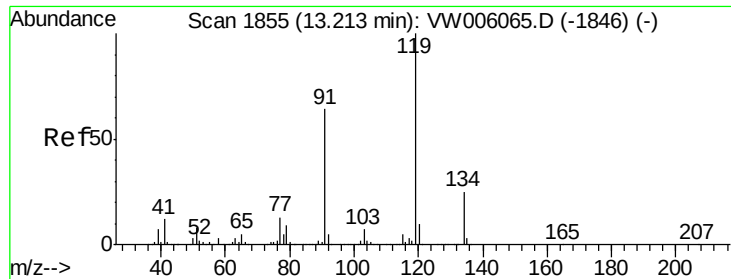
Tgt Ion: 91 Resp: 1037081

Ion Ratio Lower Upper

91 100

126 36.7 18.1 54.3





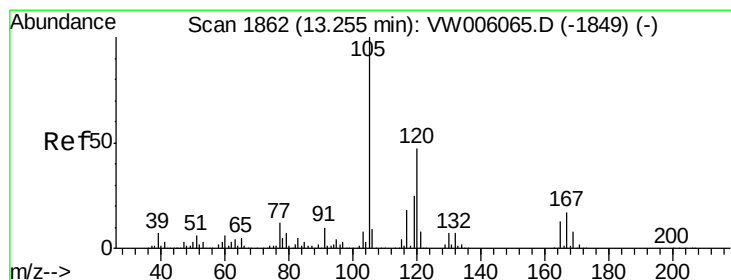
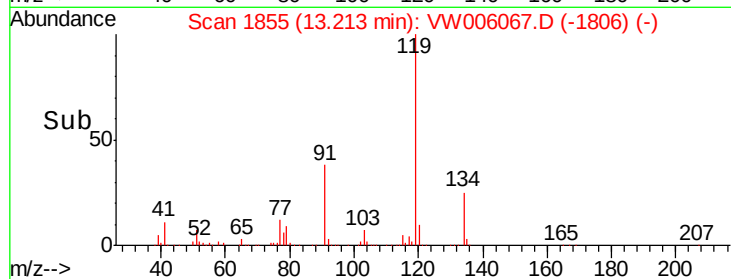
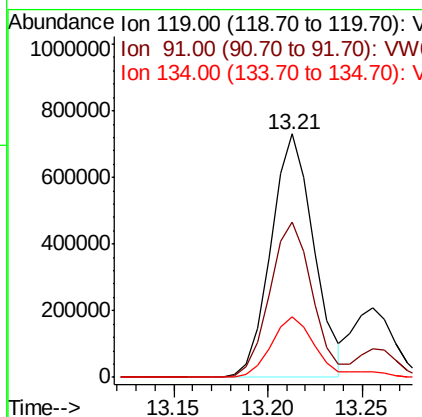
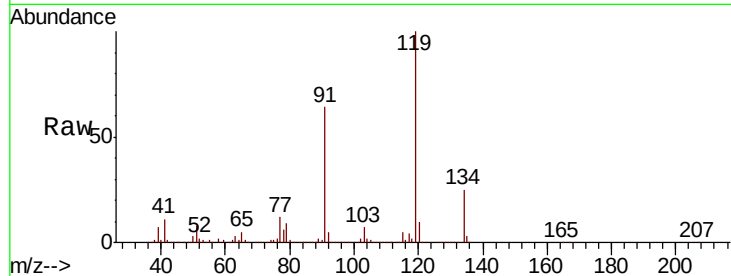
#83
 tert-Butylbenzene
 Concen: 95.227 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.3	32.3	96.9
134	25.0	13.6	40.8

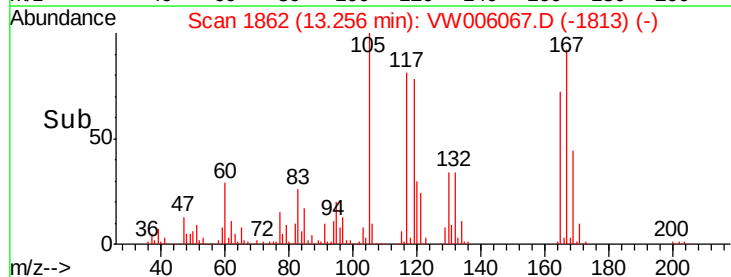
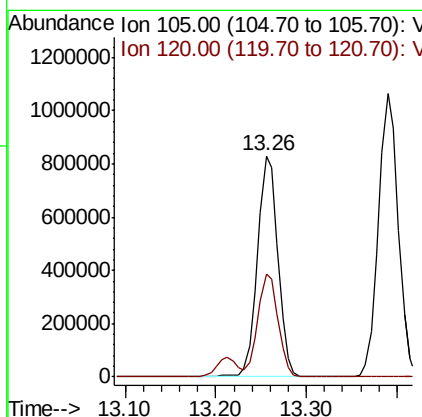
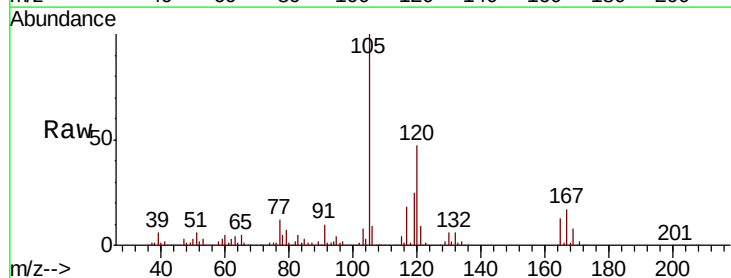
Manual Integrations
 APPROVED

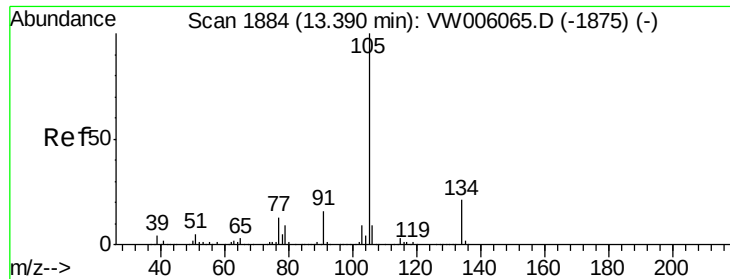
apatel
 10/16/2018 10:34:06 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 94.521 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.1	69.3





#85

sec-Butylbenzene

Concen: 94.754 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1606579

Ion Ratio Lower Upper

105 100

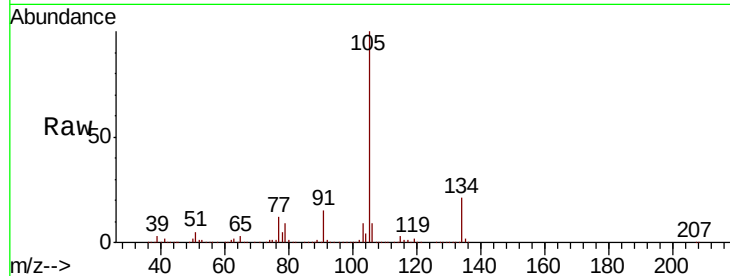
134 21.3 10.5 31.6

Manual Integrations

APPROVED

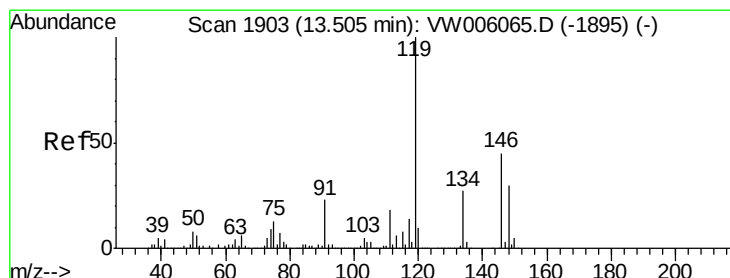
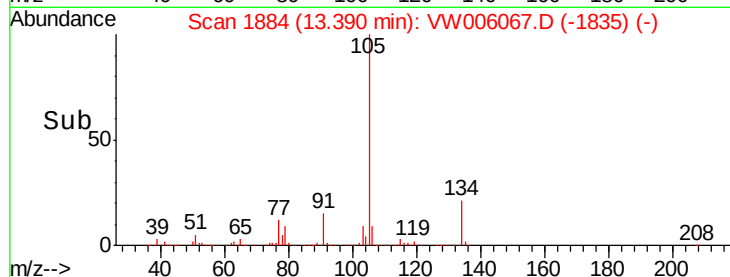
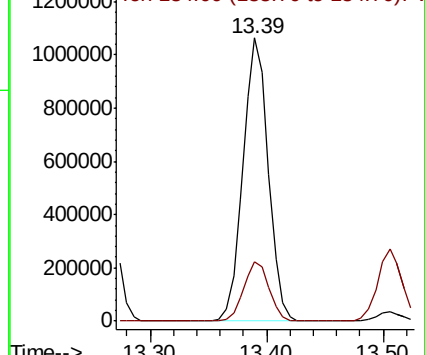
apatel

10/16/2018 10:34:06 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 95.577 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

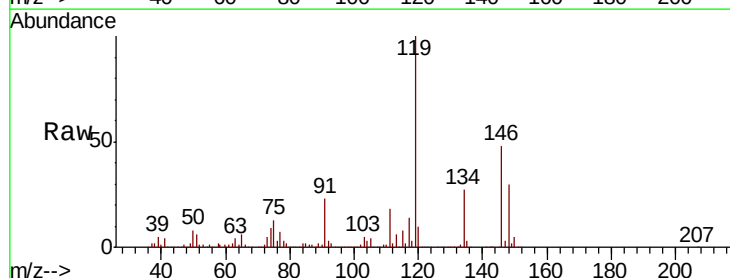
Tgt Ion:119 Resp: 1459499

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

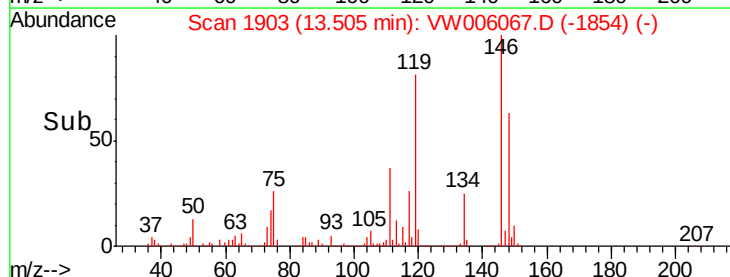
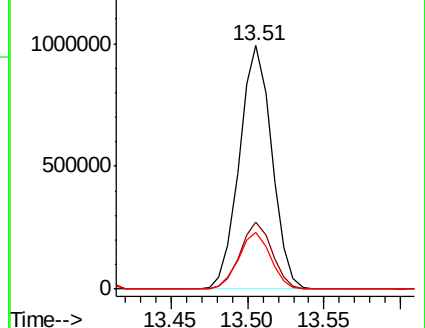
91 22.9 11.4 34.1

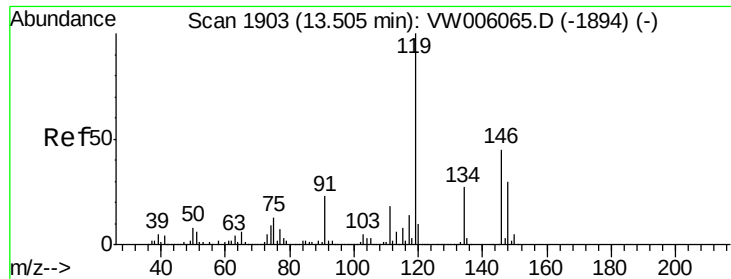


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 97.489 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006067.D

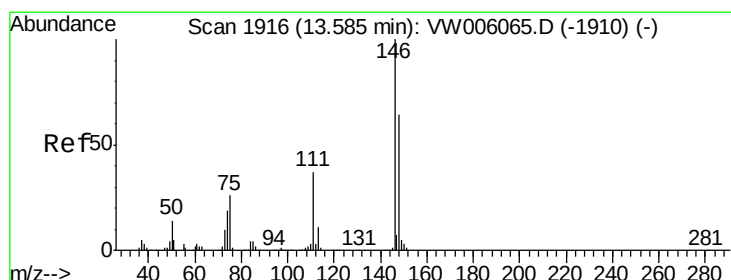
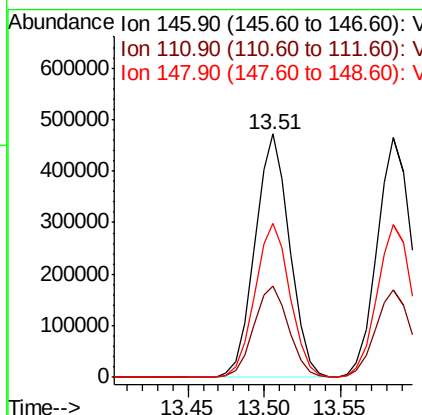
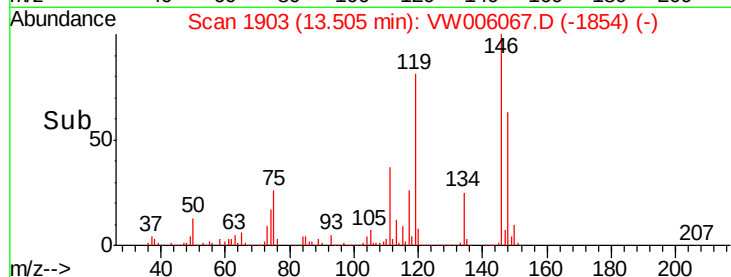
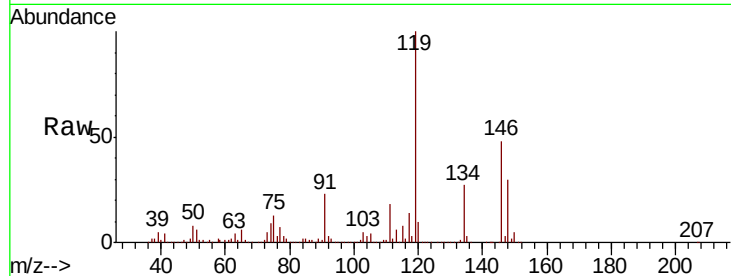
Acq: 15 Oct 2018 19:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.5
148	64.0	32.0	96.2

Manual Integrations
APPROVED

apatel
10/16/2018 10:34:06 AM



#88

1,4-Dichlorobenzene

Concen: 96.617 ug/l

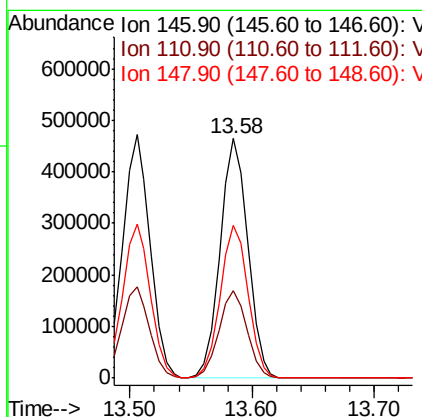
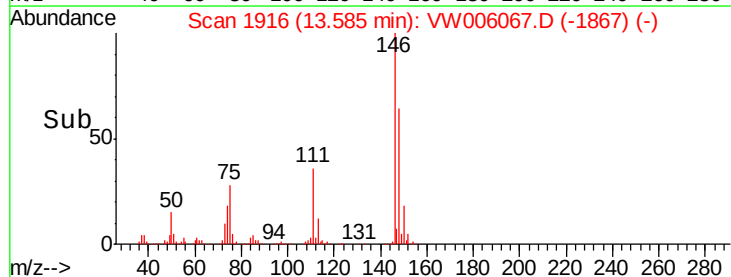
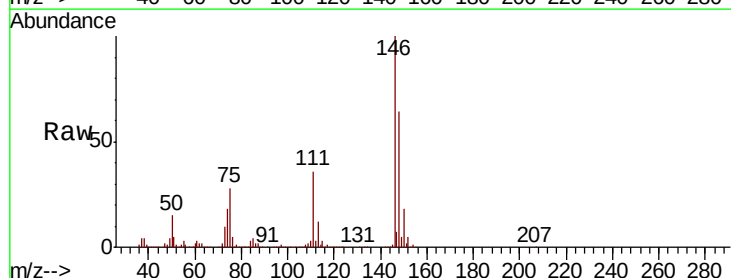
RT: 13.58 min Scan# 1916

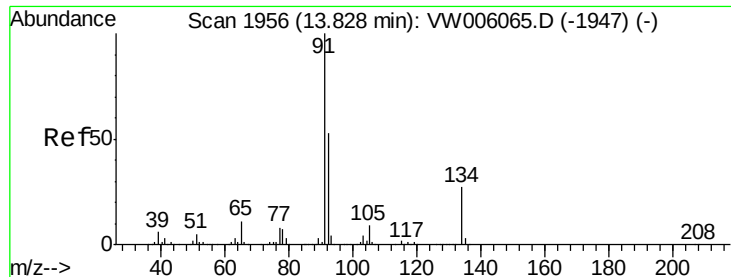
Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.6	56.0
148	64.2	32.1	96.5





#89

n-Butylbenzene

Concen: 92.683 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

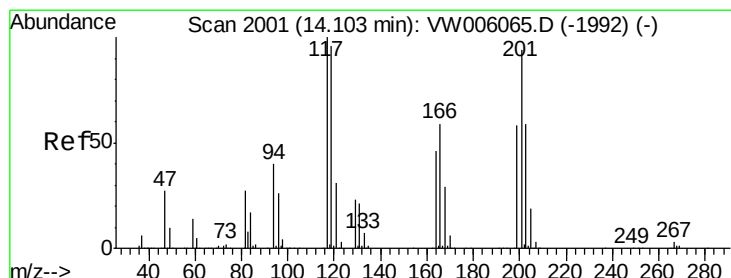
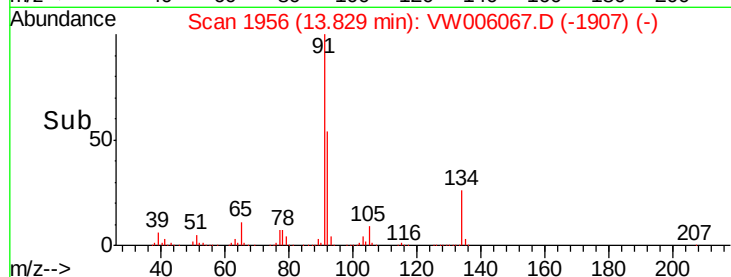
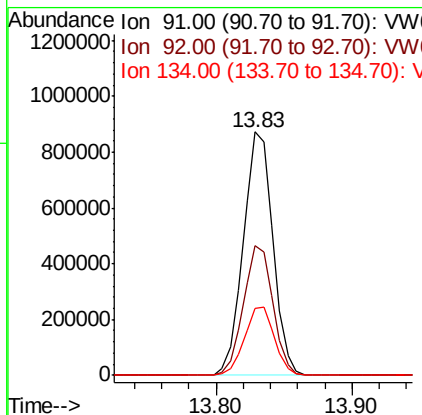
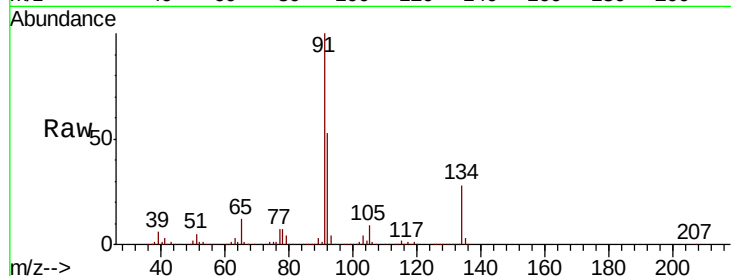
ClientSampleId :

VSTDICC100

Tot Ion:	91	Resp:	1325613
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.6	79.7
134	28.3	14.0	41.9

Manual Integrations
APPROVED

apatel
10/16/2018 10:34:06 AM



#90

Hexachloroethane

Concen: 91.544 ug/l

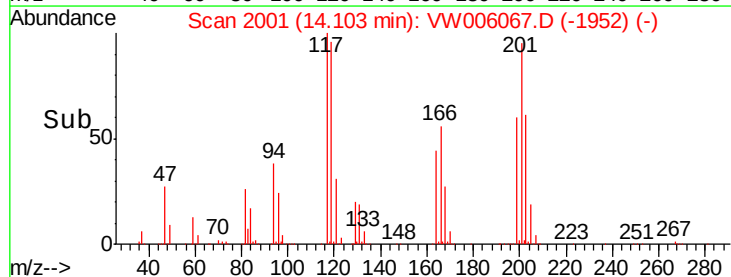
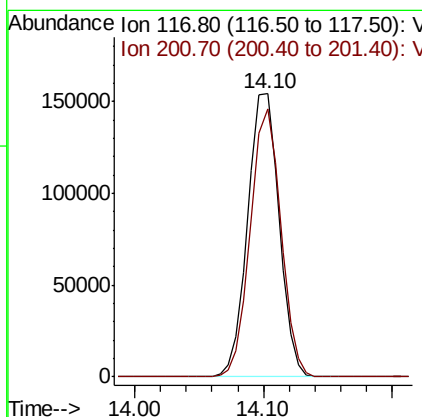
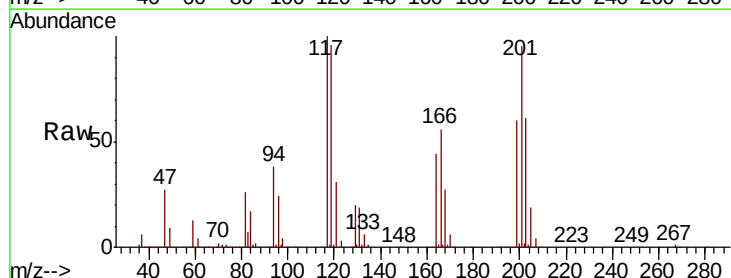
RT: 14.10 min Scan# 2001

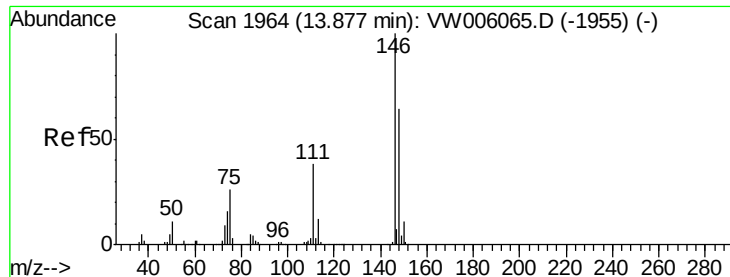
Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Tgt Ion:	117	Resp:	260066
Ion	Ratio	Lower	Upper
117	100		
201	91.9	45.3	135.9





#91

1,2-Dichlorobenzene

Concen: 98.485 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

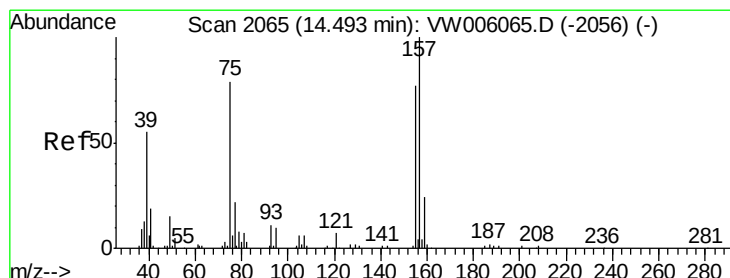
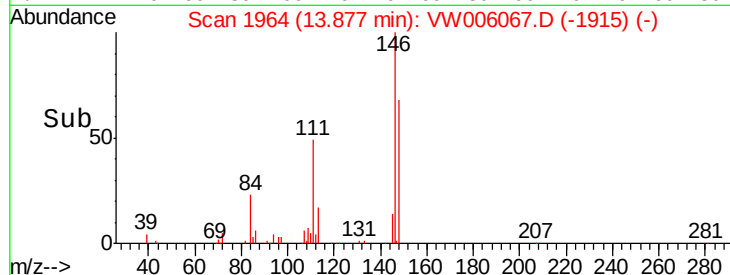
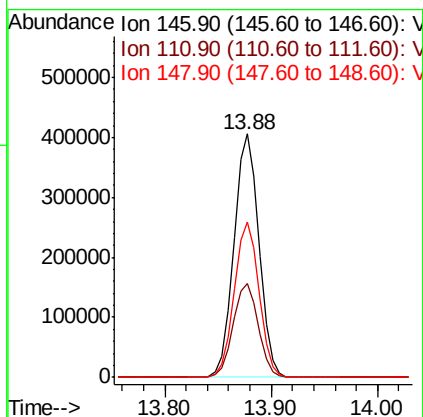
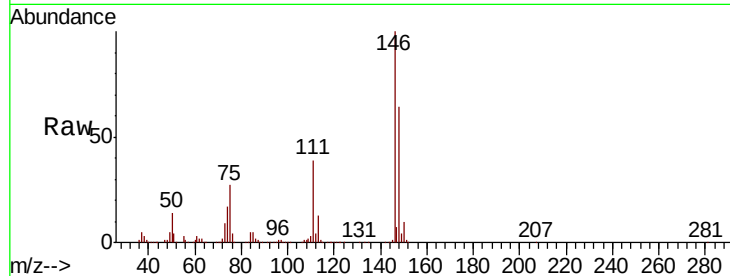
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	665589
Ion Ratio		Lower	Upper
146	100		
111	39.0	19.6	58.7
148	63.6	32.2	96.6

Manual Integrations
APPROVED

apatel
10/16/2018 10:34:06 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 88.479 ug/l

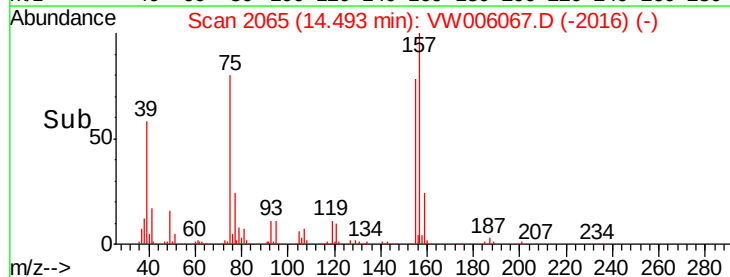
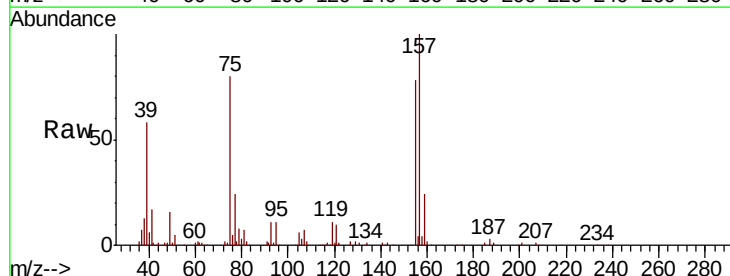
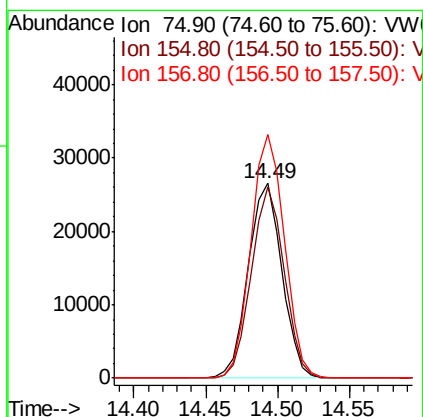
RT: 14.49 min Scan# 2065

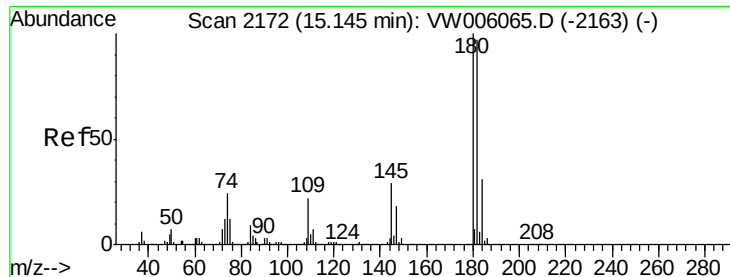
Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Tgt Ion:	75	Resp:	42846
Ion Ratio		Lower	Upper
75	100		
155	95.4	46.5	139.5
157	124.0	59.8	179.4





#93

1,2,4-Trichlorobenzene

Concen: 96.866 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.01 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

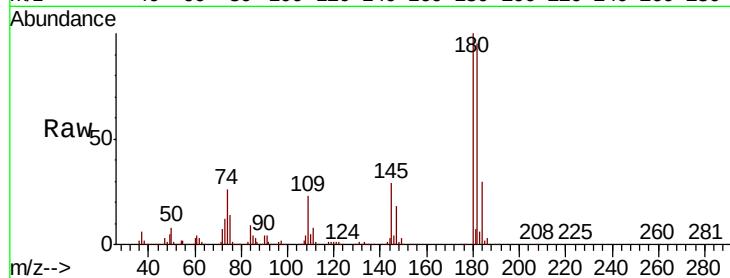
ClientSampleId :

VSTDIC100

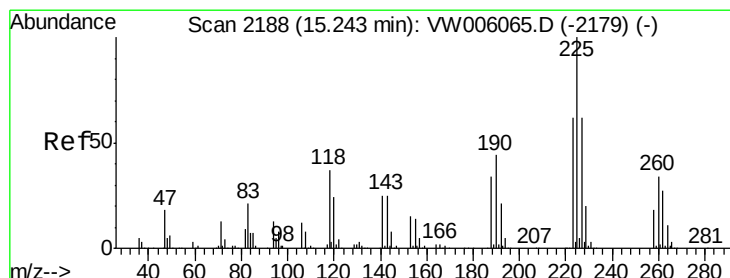
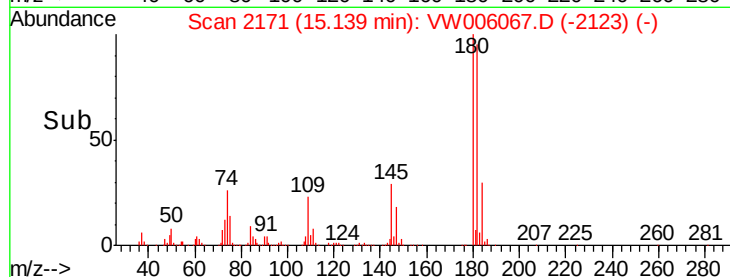
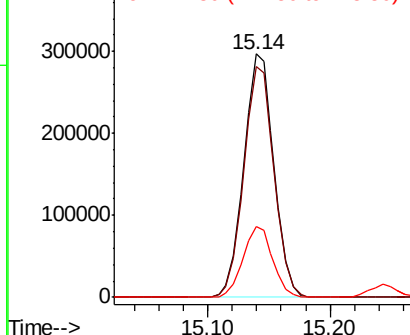
Tot Ion:	180	Resp:	504022
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.9	143.6
145	28.9	14.2	42.8

Manual Integrations
APPROVED

apatel
10/16/2018 10:34:06 AM



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



#94

Hexachlorobutadiene

Concen: 96.943 ug/l

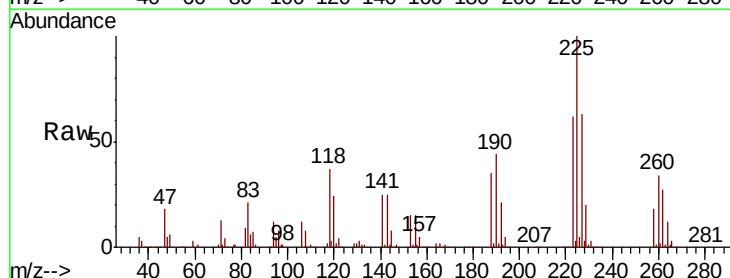
RT: 15.24 min Scan# 2188

Delta R.T. 0.00 min

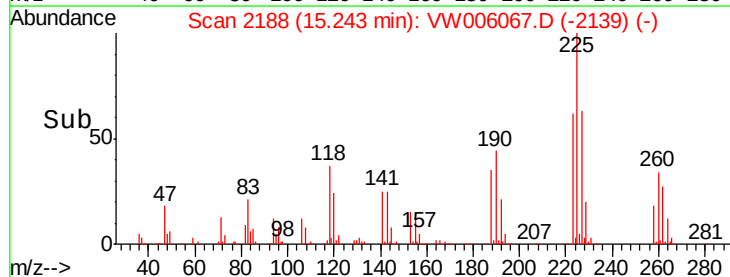
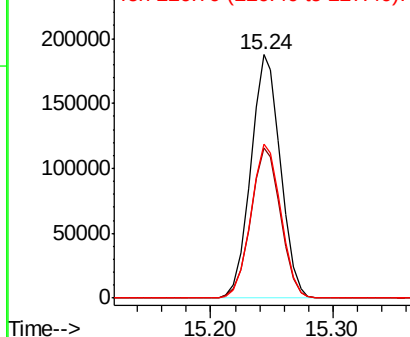
Lab File: VW006067.D

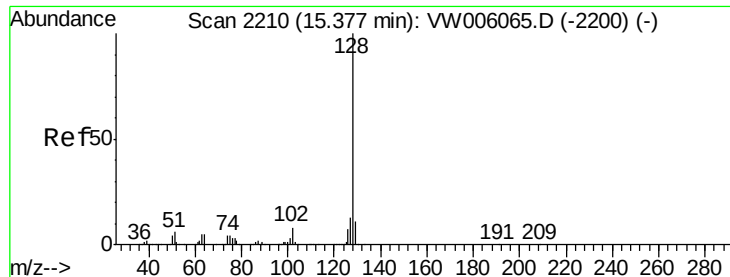
Acq: 15 Oct 2018 19:12

Tgt Ion:	225	Resp:	315024
Ion Ratio	Lower	Upper	
225	100		
223	62.3	31.1	93.5
227	64.1	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





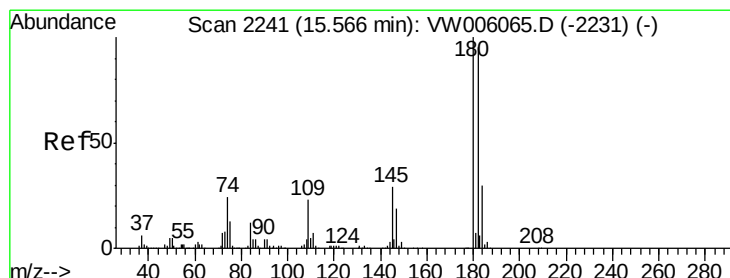
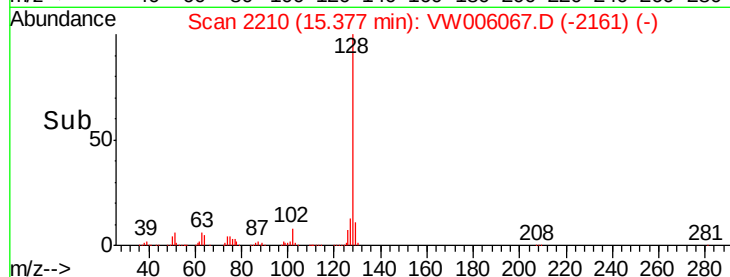
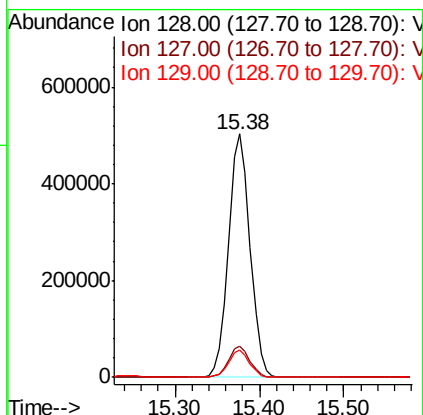
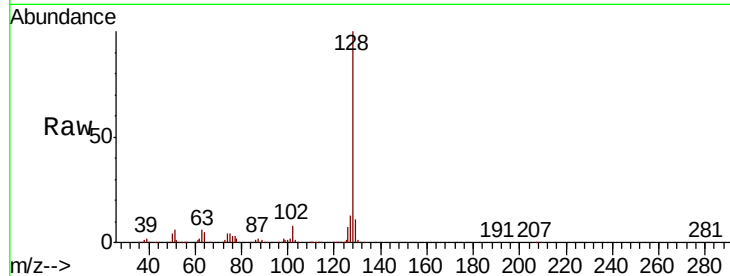
#95
Naphthalene
Concen: 97.571 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

apatel
10/16/2018 10:34:06 AM



#96
1,2,3-Trichlorobenzene
Concen: 98.171 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.8	143.3
145	30.4	15.0	45.1

